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REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 1 VOLUME 2 APPENDIX A DRAFT FINAL FEBRUARY 1994

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REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 1

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY

VOLUME 2
APPENDIX A

FEBRUARY 1994

U.S. DEPARTMENT OF ENERGY
FERNALD FIELD OFFICE

DRAFT FINAL

5129

REMEDIAL INVESTIGATION REPORT FOR OPERABLE UNIT 1

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
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REMEDIAL INVESTIGATION AND FEASIBILITY STUDY

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U.S. DEPARTMENT OF ENERGY
FERNALD FIELD OFFICE

001

DRAFT FINAL

Chemical Periodic Table

Atomic Weight
( ) indicates longest-lived isotope
Acidity/Basicity[2] & Crystal Structure[3]
Melting Point[5], °C
Boiling Point[5], °C
Density[5] (300 K), g/cm³
for gases: g/L, 273.15 K, 1 atm
Electronegativity

Group Classifications[4]
Atomic Number
Oxidation States
bold indicates most stable state
Symbol[1]
Electronic Configuration
Name

1 IA IA	2 IIA IIA	3 IIIA IIIB	4 IVA IVB	5 VA VB	6 VIA VIB	7 VIIA VIIB	8 VIIIA VIII	9 VIIIA VIII	10 VIIIA VIII	11 IB IB	12 IIB IIB	13 IIIB IIIA	14 IVB IVA	15 VB VA	16 VIB VIA	17 VIIB VIIA	18 VIII 0
1.00794 A1/B1 hcp −259.34 TP −252.88 0.0899 2.20 1s¹ **1 H** Hydrogen																	4.002602 hcp −272.375 (25 atm) −268.928 0.1787 — 1s² **2 He** Helium
6.941 B3 bcc 180.6 1342 0.53 0.98 [He]2s¹ **3 Li** Lithium	9.012182 A1/B1 hcp 1289 2472 1.85 1.57 [He]2s² **4 Be** Beryllium											10.811 A2 tet 2092 4002 2.535 2.04 [He]2s²p¹ **5 B** Boron	12.011 A2 hex 3826 SP 3827 2.62 2.55 [He]2s²p² **6 C** Carbon	14.00674 A3 hex −210.0042 TP −195.80 1.251 3.04 [He]2s²p³ **7 N** Nitrogen	15.9994 cub −218.789 TP −182.97 1.429 3.44 [He]2s²p⁴ **8 O** Oxygen	18.9984032 mon −219.67 TP −188.20 1.696 3.98 [He]2s²p⁵ **9 F** Fluorine	20.1797 fcc −248.587 SP −246.054 0.901 — [He]2s²p⁶ **10 Ne** Neon
22.989768 B3 bcc 97.8 883 0.9712 0.93 [Ne]3s¹ **11 Na** Sodium	24.3050 A3 hcp 648.8 1089.8 1.741 1.31 [Ne]3s² **12 Mg** Magnesium											26.981539 A1/B1 fcc 660.452 2520 2.70 1.61 [Ne]3s²p¹ **13 Al** Aluminum	28.0855 A1/B1 fcc 1414 3267 2.33 1.90 [Ne]3s²p² **14 Si** Silicon	30.973762 A2 cub 44.14 277 1.82 2.19 [Ne]3s²p³ **15 P** Phosphorus	32.066 A3 orh 115.22 444.60 2.07 2.58 [Ne]3s²p⁴ **16 S** Sulfur	35.4527 A3 tet −100.97 TP −34.05 3.17 3.16 [Ne]3s²p⁵ **17 Cl** Chlorine	39.948 fcc −189.352 TP −185.9 1.784 — [Ne]3s²p⁶ **18 Ar** Argon
39.0983 B3 bcc 63.71 759 0.86 0.82 [Ar]4s¹ **19 K** Potassium	40.078 B3 fcc 842 1494 1.55 1.00 [Ar]4s² **20 Ca** Calcium	44.955910 B1 hcp 1541 2831 3.0 1.36 [Ar]3d¹4s² **21 Sc** Scandium	47.88 A1/B1 hcp 1670 3289 4.50 1.54 [Ar]3d²4s² **22 Ti** Titanium	50.9415 A1/B1 bcc 1910 3409 5.8 1.63 [Ar]3d³4s² **23 V** Vanadium	51.9961 A3 bcc 1863 2672 7.19 1.66 [Ar]3d⁵4s¹ **24 Cr** Chromium	54.93805 A3 cub 1246 2062 7.43 1.55 [Ar]3d⁵4s² **25 Mn** Manganese	55.847 A1/B1 bcc 1538 2862 7.86 1.83 [Ar]3d⁶4s² **26 Fe** Iron	58.93320 A1/B1 fcc 1495 2928 8.90 1.88 [Ar]3d⁷4s² **27 Co** Cobalt	58.6934 B2 fcc 1455 2914 8.90 1.91 [Ar]3d⁸4s² **28 Ni** Nickel	63.546 B2 fcc 1084.87 2563 8.96 1.90 [Ar]3d¹⁰4s¹ **29 Cu** Copper	65.39 A1/B1 hcp 419.58 907 7.14 1.65 [Ar]3d¹⁰4s² **30 Zn** Zinc	69.723 A1/B1 orh 29.7741 TP 2205 5.91 1.81 [Ar]3d¹⁰4s²p¹ **31 Ga** Gallium	72.61 A1/B1 fcc 938.3 2834 5.32 2.01 [Ar]3d¹⁰4s²p² **32 Ge** Germanium	74.92159 A2 rhm 603 SP — 5.72 2.18 [Ar]3d¹⁰4s²p³ **33 As** Arsenic	78.96 A3 hex 221 685 4.80 2.55 [Ar]3d¹⁰4s²p⁴ **34 Se** Selenium	79.904 A3 orh −7.25 TP 59.10 3.12 2.96 [Ar]3d¹⁰4s²p⁵ **35 Br** Bromine	83.80 fcc −157.385 −153.35 3.74 — [Ar]3d¹⁰4s²p⁶ **36 Kr** Krypton
85.4678 B3 bcc 39.48 688 1.53 0.82 [Kr]5s¹ **37 Rb** Rubidium	87.62 B3 fcc 769 1382 2.6 0.95 [Kr]5s² **38 Sr** Strontium	88.90585 B1 hcp 1522 3338 4.5 1.22 [Kr]4d¹5s² **39 Y** Yttrium	91.224 A1/B1 hcp 1855 4409 6.49 1.33 [Kr]4d²5s² **40 Zr** Zirconium	92.90638 A2 bcc 2469 4744 8.55 1.6 [Kr]4d⁴5s¹ **41 Nb** Niobium	95.94 A3 bcc 2623 4639 10.2 2.16 [Kr]4d⁵5s¹ **42 Mo** Molybdenum	(97.9072) A3 hcp 2204 4265 11.5 1.9 [Kr]4d⁵5s² **43 Tc** Technetium	101.07 A2 hcp 2334 4150 12.2 2.2 [Kr]4d⁷5s¹ **44 Ru** Ruthenium	102.90550 A1/B1 fcc 1963 3697 12.4 2.28 [Kr]4d⁸5s¹ **45 Rh** Rhodium	106.42 B2 fcc 1555 2964 12.0 2.20 [Kr]4d¹⁰ **46 Pd** Palladium	107.8682 A1/B2 fcc 961.93 2163 10.5 1.93 [Kr]4d¹⁰5s¹ **47 Ag** Silver	112.411 B2 hcp 321.108 767 8.648 1.69 [Kr]4d¹⁰5s² **48 Cd** Cadmium	114.818 A1/B2 tet 156.634 2073 7.31 1.78 [Kr]4d¹⁰5s²p¹ **49 In** Indium	118.710 A1/B1 fcc 231.9681 2603 7.30 1.96 [Kr]4d¹⁰5s²p² **50 Sn** Tin	121.757 A2 rhm 630.755 1587 6.618 2.05 [Kr]4d¹⁰5s²p³ **51 Sb** Antimony	127.60 A2 hcp 449.57 988 6.24 2.1 [Kr]4d¹⁰5s²p⁴ **52 Te** Tellurium	126.90447 A3 orh 113.6 TP 185.25 4.92 2.66 [Kr]4d¹⁰5s²p⁵ **53 I** Iodine	131.29 fcc −111.7582 TP −108.12 5.89 — [Kr]4d¹⁰5s²p⁶ **54 Xe** Xenon
132.90543 B3 bcc 28.39 671 1.87 0.79 [Xe]6s¹ **55 Cs** Cesium	137.327 B3 bcc 729 1805 3.78 0.89 [Xe]6s² **56 Ba** Barium	138.9055 B3 hex 918 3457 6.7 1.10 [Xe]5d¹6s² **57 La** Lanthanum	178.49 A1/B1 hcp 2231 4603 13.1 1.3 [Xe]4f¹⁴5d²6s² **72 Hf** Hafnium	180.9479 A2 bcc 3020 5458 16.6 1.5 [Xe]4f¹⁴5d³6s² **73 Ta** Tantalum	183.84 A2 bcc 3422 5730 19.3 2.36 [Xe]4f¹⁴5d⁴6s² **74 W** Tungsten	186.207 A2 hcp 3186 5596 21.0 1.9 [Xe]4f¹⁴5d⁵6s² **75 Re** Rhenium	190.23 A2 hcp 3033 5012 22.59 2.2 [Xe]4f¹⁴5d⁶6s² **76 Os** Osmium	192.22 B2 fcc 2447 4428 22.42 2.20 [Xe]4f¹⁴5d⁷6s² **77 Ir** Iridium	195.08 B2 fcc 1769.0 3827 21.4 2.28 [Xe]4f¹⁴5d⁹6s¹ **78 Pt** Platinum	196.96654 A1/B1 fcc 1064.43 2857 19.3 2.54 [Xe]4f¹⁴5d¹⁰6s¹ **79 Au** Gold	200.59 B2 rhm −38.836 356.66 13.546 2.00 [Xe]4f¹⁴5d¹⁰6s² **80 Hg** Mercury	204.3833 B2 hcp 304 1473 11.85 2.04 [Xe]4f¹⁴5d¹⁰6s²p¹ **81 Tl** Thallium	207.2 A1/B1 fcc 327.502 1750 11.34 2.33 [Xe]4f¹⁴5d¹⁰6s²p² **82 Pb** Lead	208.98037 A2 rhm 271.422 1564 9.781 2.02 [Xe]4f¹⁴5d¹⁰6s²p³ **83 Bi** Bismuth	(208.9824) A1/B1 cub 254 962 9.4 2.0 [Xe]4f¹⁴5d¹⁰6s²p⁴ **84 Po** Polonium	(209.9871) — 302 337 — 2.2 [Xe]4f¹⁴5d¹⁰6s²p⁵ **85 At** Astatine	(222.0176) fcc −71 −62 9.91 — [Xe]4f¹⁴5d¹⁰6s²p⁶ **86 Rn** Radon
(223.0197) B3 bcc 27 677 — 0.7 [Rn]7s¹ **87 Fr** Francium	(226.0254) B3 bcc 700 1536 5.0 0.9 [Rn]7s² **88 Ra** Radium	(227.0278) fcc 1051 3200 10.07 1.1 [Rn]6d¹7s² **89 Ac** Actinium	(261.11) — — — [Rn]5f¹⁴6d²7s² **104 Unq** Unnilquadium	(262.114) — — — [Rn]5f¹⁴6d³7s² **105 Unp** Unnilpentium	(263.118) — — — [Rn]5f¹⁴6d⁴7s² **106 Unh** Unnilhexium	(262.12) — — — [Rn]5f¹⁴6d⁵7s² **107 Uns** Unnilseptium	— — — — [Rn]5f¹⁴6d⁶7s² **108 Uno** Unniloctium	— — — — [Rn]5f¹⁴6d⁷7s² **109 Une** Unnilennium											

1. Element coding: **black** = solid; **red** = gas; **blue** = liquid; **outline** = synthetically prepared. For carbon, the graphite allotrope was selected; for phosphorus and tin, the white allotrope was selected. The names and symbols for elements 104–109 are those recommended by IUPAC.
2. Acidity & basicity of representative oxides: **A** = acid; **B** = basic; **A/B** = amphoteric. Relative strength: **1** = low; **2** = moderate; **3** = high.
3. Crystal structures: **mcl** = monoclinic; **orh** = orthorhombic; **tet** = tetragonal; **bct** = body centered tetragonal; **cub** = cubic; **hex** = hexagonal; **rhm** = rhombohedral; **fcc** = faced-centered cubic; **bcc** = body-centered cubic; **hcp** = hexagonal close-packed; **dcp** = dodecahedral close-packed.
4. Two older group classification systems still in use today rely on an A/B coding scheme to categorize periodic properties (i.e., VIIA, IIB, etc.). Because of the potential for confusion between these two systems, the International Union of Pure & Applied Chemistry (IUPAC) recommends the use of a 1–18 group classification system.
5. Unless otherwise stated, melting and boiling points are at 1 atm. Superscripts on selected values are defined as: **SP** = sublimation point at 1 atm; **TP** = triple point. Bracket indicate approximate value.

*	140.115 B2 fcc 798 3426 6.78 1.12 [Xe]4f¹5d¹6s² **58 Ce** Cerium	140.90765 B2 hex 931 3512 6.77 1.13 [Xe]4f³6s² **59 Pr** Praseodymium	144.24 B2 hex 1021 3068 7.00 1.14 [Xe]4f⁴6s² **60 Nd** Neodymium	(144.9127) B2 dcp 1042 3512 6.475 1.13 [Xe]4f⁵6s² **61 Pm** Promethium	150.36 B2 rhm 1074 1791 7.54 1.17 [Xe]4f⁶6s² **62 Sm** Samarium	151.965 B2 bcc 822 1597 5.26 1.2 [Xe]4f⁷6s² **63 Eu** Europium	157.25 B2 hcp 1313 3266 7.89 1.20 [Xe]4f⁷5d¹6s² **64 Gd** Gadolinium	158.92534 B1 hcp 1356 3223 8.27 1.2 [Xe]4f⁹6s² **65 Tb** Terbium	162.50 B1 hcp 1412 2562 8.54 1.22 [Xe]4f¹⁰6s² **66 Dy** Dysprosium	164.93032 B1 hcp 1474 2695 8.80 1.23 [Xe]4f¹¹6s² **67 Ho** Holmium	167.26 B1 hcp 1529 2863 9.05 1.24 [Xe]4f¹²6s² **68 Er** Erbium	168.93421 B1 hcp 1545 1947 9.33 1.25 [Xe]4f¹³6s² **69 Tm** Thulium	173.04 B1 fcc 819 1194 6.98 1.1 [Xe]4f¹⁴6s² **70 Yb** Ytterbium	174.967 B1 hcp 1663 3395 9.84 1.27 [Xe]4f¹⁴5d¹6s² **71 Lu** Lutetium
**	232.0381 B1 fcc 1755 4788 11.7 1.3 [Rn]6d²7s² **90 Th** Thorium	231.03588 B1 bct 1572 — 15.4 1.5 [Rn]5f²6d¹7s² **91 Pa** Protactinium	238.0289 A1/B1 bcc 1132.3 3818 19.07 1.38 [Rn]5f³6d¹7s² **92 U** Uranium	(237.0482) A1/B1 orh 639 — 20.4 1.36 [Rn]5f⁴6d¹7s² **93 Np** Neptunium	(244.0642) A1/B1 mcl 640 3230 19.8 1.28 [Rn]5f⁶7s² **94 Pu** Plutonium	(243.0614) A1/B1 hcp 1176 2607 13.6 1.3 [Rn]5f⁷7s² **95 Am** Americium	(247.0703) A1/B1 dcp 1345 — 13.511 1.3 [Rn]5f⁷6d¹7s² **96 Cm** Curium	(247.0703) dcp 1050 — — 1.3 [Rn]5f⁹7s² **97 Bk** Berkelium	(251.0796) — 900 — — 1.3 [Rn]5f¹⁰7s² **98 Cf** Californium	(252.083) — 860 — — 1.3 [Rn]5f¹¹7s² **99 Es** Einsteinium	(257.0951) — (1527) — — 1.3 [Rn]5f¹²7s² **100 Fm** Fermium	(258.10) — (827) — — 1.3 [Rn]5f¹³7s² **101 Md** Mendelevium	(259.1009) — (827) — — 1.3 [Rn]5f¹⁴7s² **102 No** Nobelium	(262.11) — (1627) — — — [Rn]5f¹⁴6d¹7s² **103 Lr** Lawrencium

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Physical Constants

General Constants

Speed of Light (vacuum)	c	$2.99792458 \cdot 10^{8}$ m/s
Permeability (vacuum)	μ_o	$4\pi \cdot 10^{-7}$ N/A^2
Permittivity (vacuum)	ε_o	$8.854188 \cdot 10^{-12}$ C/V·m
Planck Constant	h	$6.626076 \cdot 10^{-34}$ J·s
Gravitational Constant	G	$6.67259 \cdot 10^{-11}$ m^3/kg·s^2
Standard Gravity	g_o	9.80665 m/s^2 (32.17405 ft/s^2)
Proportionality Constant	g_c	32.17405 ft·lb$_m$/lb$_f$·s^2 9.80665 cm·kg/kg$_f$·s^2

Electromagnetic & Atomic Constants

Elementary Charge	e	$1.60218 \cdot 10^{-19}$ C
Magnetic Flux Quantum	Φ_o	$2.06783 \cdot 10^{-15}$ V·s (Wb)
Bohr Radius	a_o	$0.529177 \cdot 10^{-10}$ m
Electron Mass	m_e	$9.10939 \cdot 10^{-31}$ kg
Proton Mass	m_p	$1.67262 \cdot 10^{-27}$ kg
Neutron Mass	m_n	$1.67493 \cdot 10^{-27}$ kg
Deuteron Mass	m_d	$3.34359 \cdot 10^{-27}$ kg

Physico-Chemical Constants

Avogadro Constant	N_A, L	$6.02214 \cdot 10^{23}$ mol^{-1}
Atomic Mass Constant	m_u	$1.66054 \cdot 10^{-27}$ kg
Faraday Constant	F	96485.31 C/mol
Boltzmann Constant	k	$1.38066 \cdot 10^{-23}$ J/K
Stefan-Boltzmann Constant	σ	$5.67051 \cdot 10^{-8}$ W/m^2·K^4 $1.71232 \cdot 10^{-9}$ Btu/h·ft^2·°R^4
Molar Gas Constant	R	8.31451 J/mol·K 8.31451 m^3·Pa/mol·K 1.98589 cal(I.T.)/mol·K 1545.36 ft·lb$_f$/lb-mol·°R 0.082058 L·atm/mol·K 0.730244 ft^3·atm/lb-mol·°R 10.7316 ft^3·psi/lb-mol·°R 82.0578 cm^3·atm/mol·K
Molar Volume of Ideal Gas (at STP: 0 °C, 1 atm)	V_m	22.4141 L/mol (= m^3/kg-mol) 359.039 ft^3/lb-mol

Conversion Factors

Length	1 m	10^{10} Å	39.370 in.	3.28084 ft	$6.21371 \cdot 10^{-4}$ mi
Area	1 m^2	10^4 cm^2	1550.0031 in^2	10.7639 ft^2	$2.47105 \cdot 10^{-4}$ acre
Volume	1 m^3	1000 L	$6.10237 \cdot 10^4$ in^3	264.172 gal (U.S.)	219.969 gal (Imp.)
Mass	1 kg	2.20462 lb$_m$	35.274 oz	$1.10231 \cdot 10^{-3}$ ton	$6.02204 \cdot 10^{26}$ u
Density	1 g/cm^3	1000 kg/m^3	1000 g/L	62.4280 lb$_m$/ft^3	8.34541 lb$_m$/gal (U.S.)
Velocity	1 m/s	3.6 km/h	3.2808 ft/s	196.850 ft/min	2.23694 mi/h
Force	1 kg·m/s^2 (N)	10^5 g·cm/s^2 (dyn)	0.224809 lb$_f$	0.10197 kg$_f$	7.23301 lb$_m$·ft/s^2 (pdl)
Pressure	1 atm	101325 kg/m·s^2 (Pa)	1.01325 bar	14.6959 lb$_f$/in^2 (psi)	760 mm Hg
Energy	1 kg·m^2/s^2 (J)	$9.4782 \cdot 10^{-4}$ Btu (I.T.)	0.23885 cal (I.T.)	0.737561 ft·lb$_f$	$6.24145 \cdot 10^{18}$ eV
Power	1 J/s (W)	1 kg·m^2/s^3	3.4121 Btu/h	$1.34102 \cdot 10^{-3}$ hp	10^7 erg/s
Specific Heat	1 kJ/kg·K	0.23885 cal/g·°C	0.13269 cal/g·°F	0.23885 Btu/lb$_m$·°F	185.863 ft·lb$_f$/lb$_m$·°F
Viscosity (dynamic)	1 Pa·s	1 kg/m·s	1000 cp	0.671969 lb$_m$/ft·s	0.671969 pdl·s/ft^2
Viscosity (kinematic)	1 m^2/s	10^4 Stokes	10^4 cm^2/s	10.7639 ft^2/s	1550.0031 in^2/s
Amount of Substance	1 kg-mol	1000 mol (g-mol)	10^6 mmol	10^9 µmol	2.20462 lb-mol
Concentration	1 wt%	0.01 mass fraction	10 ppt	10^4 ppm	10^7 ppb
Angular Measure	1 °	π/180 rad (radians)	60'	3600"	1.1111g
Time	1 h	60 min	3600 s	0.04167 d	$5.95238 \cdot 10^{-3}$ wk
Luminance	1 cd/m^2	1.0194 candles/m^2	$9.2903 \cdot 10^{-2}$ cd/ft^2	0.29186 fL	10^4 sb
Illuminance	1 lx	1 lm/m^2	$9.2903 \cdot 10^{-2}$ lm/ft^2	$9.2903 \cdot 10^{-2}$ fc	10^{-4} phot
Absorbed Dose	1 Gy	1 J/kg	100 rd (rad)	10^4 erg/g	$6.24181 \cdot 10^{15}$ eV/g
Activity (radioactive)	1 Bq	1 s^{-1}(disintegration/s)	$2.7027 \cdot 10^{-11}$ Ci	$2.7027 \cdot 10^{-8}$ mCi	0.027027 GCi
Temperature	°C = 5/9(°F − 32)	°F = (9/5)°C + 32	K = °C + 273.15	°R = °F + 459.67	°r = (4/5)K − 218.52

Chemical Structures

Alcohol	R − OH	Carbonyl	C = O
Acyl Halide	R − C(=O) − X	Carboxylic	R − C(=O) − OH
Aldehyde	R − C(=O) − H	Ester	R − C(=O) − O − R'
Alkane	$R_3C - CR'_3$	Ether	R − O − R'
Alkene	$R_2C = CR'_2$	Grignard	R − Mg − X
Alkyne	RC ≡ CR'	Ketone	R − C(=O) − R'
Alkyl Halide	R − X	Nitrile	R − CN
Amide	R − C(=O) − NR'_2	Nitro	$R - NO_2$
Amine (1°)	$R - NH_2$	Thiol	R − SH

Properties of Air & Water

Property	Range	Water	Air	Units
Molar Mass		18.015	28.966	g/mol
Density	20°C	998.23	1.204	kg/m3
	100°C	958.38	0.9459	kg/m3
Viscosity	20°C	1.005	0.0182	cp
	100°C	0.2818	0.0326	cp
Melting Point		0	—	°C
Boiling Point		100	—	°C
Specific Heat	0–100°C	4.22	1.01	kJ/kg·K
Thermal Conductivity	0°C	0.569	0.0242	W/m·K
	100°C	0.681	0.0316	W/m·K
ΔH Fusion		6.013	—	kJ/mol
ΔH Vaporization		40.627	—	kJ/mol
Vapor Pressure	20°C	2.338	—	kPa
	100°C	101.325	—	kPa
Dielectric Constant	18°C	81.07	1.0006	—
Prandtl Number	20°C	7.21	0.709	—

EDITOR: C. Bello, M.A.Sc.

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INTRODUCTION TO APPENDICES

The purpose of this section is to familiarize the reader with the Appendices A through C and their contents. It also contains some helpful information which can be used as a reference while reviewing these appendices.

Immediately following this section is a complete list of laboratory and data validation qualifiers. Also included is a list of units of measure in which laboratory results are reported. These lists were laminated to facilitate the removal from the document so they could be used as a reference when reviewing the computer generated database reports. These lists provide a more detailed explanation than the report footers.

Database Reports

All computer generated database reports follow a standard format. The title indicates the study in which the data was collected and, where applicable, the pit and pit matrix type (pit material, pit leachate, surface water, etc.). In general, report headers provide the boring number, sample number, sample collection date, and sample collection interval where applicable. The sample collection interval is a good indicator of whether the sample is a discreet or composite sample. Groundwater monitoring reports list the monitoring well and the well sample date. "NA" is used to indicate that header information is not applicable. For example, there is no sample collection interval for a groundwater monitoring well sample.

The main body of the reports lists the analytes on the left side. For each sample, the laboratory qualifier, result value, unit, and validation qualifier are reported. Laboratory results are presented if the data is not validated or was rejected; otherwise, the validated result is shown. Some reports also show Toxicity Characteristic Leaching Procedure (TCLP) samples and filtered (FLTD) samples. "TCLP" samples were extracted prior to analysis; "filtered" samples were filtered before they were analyzed.

The report footer provides generic notes about the data and explains the abbreviations used in the reports. It also shows the submittal date, print date, and submittal name.

During any review of these appendices, it is important to realize that throughout the history of the FEMP the target analyte lists were modified. Laboratory analyte lists were altered based on new

regulatory requirements. The FEMP's internal analyte lists were changed as needed to meet data requirements. As a result, lists were similar but not identical between sampling programs. Additionally, within individual studies such as the RI/FS, not all samples were analyzed for exactly the same target list. For example, some samples were analyzed for only volatile compounds while other samples were analyzed for volatile, semivolatile, and pesticide/PCB compounds. These differences produce blank sections within the database reports. **Blank sections within the reports do not mean that data is missing.** Blank fractions signify that there are no results for that fraction for a given sample. The explanation for these blank sections is that a particular fraction was not requested for analysis for the given sample or that the laboratory did not receive that sample fraction. Blanks within fractions mean that no results are available for an analyte in a certain sample because that analyte may have been a tentatively identified compound (TIC) present in other samples in the program but not present in a specific sample. It can also mean that the analyte was not included in the Request For Analysis (RFA) to the laboratory. **Blank sections within the reports do not mean that data is missing.**

This report format is the best format available for presenting the wide variety of technical data available for Operable Unit 1.

Appendix A

This appendix contains the information for all the non-QA/QC pit samples. Appendix A is organized by pit, media, and study which generated the data. Individual sections present geotechnical, radiological, inorganic, and organic data for a specific pit. Subsections for each data type are organized by sampling program. For example, 1992 RI/FS organic results for Pit 5 are located immediately following CIS organic results in Appendix A.5.1.4. Reports follow the format discussed above.

Appendix B

Appendix B presents data for surface and subsurface media, including groundwater, surface soil, surface water, and sediment. Each media is assigned its own section. Individual sections present geotechnical, radiological, inorganic, and organic data for a specific media. Subsections for each data type are organized by sampling program as in Appendix A. Well construction logs have been included in the groundwater section (Section B.2.1).

Appendix C

Air monitoring data are presented in Appendix C. On-site and fenceline airborne radon monitoring results for 1991-1993 are located in Appendix C.1.1. Appendix C.1.2 presents the results of the Waste Pit Radon Flux Survey. Air particulate radiological results for 1991-1991 can be found in Appendix C.2.

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A.1

PIT 1

A.1.1

PIT 1
PIT MATERIAL

A.1.1.1

PIT 1
PIT MATERIAL
VISUAL CLASSIFICATION OF SOILS

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 01-01 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481377.31,1378290.75	DATE OF COMPLETION: 4/13/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	4/17/ 24/20	21	10 inches dark grayish-brown (10YR 4/6) clay organic material, roots, slightly moist; brown clay underlain by 11 inches dark brown to black (10YR 2/2) clayey siltstone (fly ash ?). The stiltstone is slightly moist; minor (0-5%) pinkish-gray (5YR 6/3) clayey siltstone clasts (?) 1/8 to 1/4 inch in diameter mixed in with the siltstone (fly ash ?); medium stiff.	CI	NA	150 cpm (clay (brown)) 1500 cpm (black silt (ash))
2 4	NA	11/7/ 10/8	18	Dark brown to black clayey siltstone (fly ash ?) of a (10YR 2/2) color; slightly moist; minor (0-6%) pinkish-gray (5YR 6/5) silty clay (?) clasts; moist, medium stiff.	MI	NA	2000 cpm
4 6	NA	3/4/ 5/4	14	Dark brown to black (10YR 2/2) clayey siltstone (fly ash ?); moist to wet, large 1/4 to 1/2 inch dark grayish brown (10YR 4/6) clay clast, approximately 0-5% of sample, medium stiff.	MI	NA	2400 cpm (dark siltstone) 5300 cpm (brown clay)
6 8	NA	3/4/ 4/5	15	Dark brown to black (10YR 2/2) clayey siltstone (fly ash ?) grading downwards into reddish-gray (10YR 6/1) clayey siltstone; moist; minor dark grayish brown (10YR 4/6) clay, medium stiff.	MI	NA	750 cpm (black siltstone) 1000 cpm (gray siltstone)
8 10	NA	2/3/ 3/3	9-1/2	Reddish gray (10YR 6/1) clayey siltstone (?) minor (0-5%) dark brownish gray (10YR 4/6) clay; very moist to wet, soft.	MI	NA	1500 cpm
10 12	NA	3/3/ 4/4	19	Reddish-gray (10YR 6/1) clayey siltstone (?); light gray (5YR 7/1) silt (?) clasts representing 0 to 8% of the sample slightly moist to moist; trace organics (?) soft.	MI	NA	1000 cpm (red-gray material) 1000 cpm (light-gray material)
				Total Depth = 12 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T

Samples FMP-PS-01-001, 002, 003, 015 & 016 are composites of entire boring.

FERNALD/01-01.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 01-02 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481270.97,1378337.75	DATE OF COMPLETION: 4/15/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	3/25/ 125/127	18	Dark grayish brown (10YR 5/3) clay grading downwards into light brownish-gray (10YR 6/1) clayey material (sludge ?) abundant roots and plant material in upper clay; clay comprises ~8 inches of upper sample slightly moist; medium stiff.	CI	NA	800 cpm (brown clay) 5000 cpm (gray clay)
2 4	NA	10/28/ 31/29	24	Light brownish-gray to white (10YR 7/1) clayey (?) material; minor (0-5%) yellow (2.5Y 8/8) clayey (?) material; slightly moist; soft.	OT	NA	1500 cpm (clayey material) 200 cpm (yellow material)
4 6	NA	13/15/ 34/95	24	Light brownish-gray to white (10YR 6/1 to 10YR 7/1) clayey (greasy) material; minor lime green olive yellow (2.5Y 7/8) material ~0-5% and near bottom of spoon.	OT	NA	650 cpm (gray material) 1700 cpm (green material)
6 8	NA	38/52/ 38/55	24	Light brownish-gray (10YR 6/1) to white (10YR 7/1) greasy material; minor (10-15%) lime green to yellow (10YR 8/6) material; moist to dry; soft.	OT	NA	1600 cpm (gray material) 1250 cpm (yellow material)
8 10	NA	3/5/ 4/8	24	Same as interval 6-8 ft. although slightly larger content of yellow (10YR 8/6) greasy material; also material grades downward into sandy (medium to coarse-grained) material moist to very moist.	OT	NA	T 1000 cpm M 700 cpm B 550 cpm
10 12	NA	5/5/ 4/5	24	Light gray (10YR 7/2) sandy (fine to medium grained) material (sludge ?) grading downward into light gray (10YR 7/2) to white (10YR 7/1) coarser grained material (sludge ?), trace black (10YR 2/2) ~0-3%, flaky-friable material which breaks apart like powder; moist to wet, trace (0-7%) yellow (10YR 8/6) greasy material, soft.	OT	NA	600 cpm (composite) 48000 cpm (black material)
				Total Depth = 12 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.

T - Top of sample M - Middle of sample B - Bottom of sample

cpm - counts per minute read with HP-210T Samples FMP-PS-01-032, 033, & 034 are composites of entire boring.

FERNALD/01-02.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 01-03 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481213.59,1378241.25	DATE OF COMPLETION: 4/15/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	4/13/ 24/25	22	10 inch dark grayish-brown (10YR 5/3) Clay with roots and grass grading downward into 12 inches of dark brown to black (10YR 2/2) clayey material; minor (0 to 3%) light red (2.5YR 6/8) Clay (?) clasts; minor (0-3%) lime green to yellow (5Y 8/8) friable material (VF); slightly moist, 0-5% large rock clasts; medium stiff, moist.	CI	NA	300 cpm (brown clay) 3000 cpm (black red material)
2 4	NA	13/23/ 23/19	24	Grayish-brown (10YR 5/2) clayey material; 0-5% (1/4 to 1/2 inch) rock clasts, and glass (?) fragments, high content of organic vapors, dry medium stiff.	OT	NA	1000 cpm
4 6	NA	6/7/ 7/10	15	Gray (10YR 5/1) clayey (?) material, slightly moist; minor (0-3%) 1/8 to 1/4 inch rock clasts; dry, medium stiff.	OT	NA	300 cpm
6 8	NA	11/6/ 7/12	17	Grayish brown (10YR 5/3) greasy clay (?) with large (.5 to 1.5 inch rock clasts) slightly moist; minor black (0-5%) 10YR 2/2 clayey material, soft.	OT	NA	250 cpm
8 10	NA	8/4/ 4/5	0	No recovery	NA	NA	No readings
10 12	NA	6/5/ 7/5	16-1/2	6 inches yellow (10YR 8/8) clayey (?) material (sludge ?) grading downward into dark gray (2.5YR 4/0) greasy clayey (?) material, presumably sludge; wet, the yellow material has spongy (?) texture; moist; soft.	OT	NA	450 cpm (yellow material) 2500 cpm (gray material)
				Total Depth = 12 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T

Samples FMP-PS-01-047 and FMP-PS-01-049 are composites of entire boring.

FERNALD/01-03.DRW/mb/8-6-93

5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 01-04 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: PONTOON BOAT & PISTON RIG SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY - ROY F. WESTON, INC. COORDINATES: 481313.56, 1378244.00	DATE OF COMPLETION: 4/16/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-01-061 FMP-PS-01-062	3/33/52/43	18	7" yellowish brown (10 YR 5/8) Clay, little (+) silt, trace of fine to medium gravel organic material present (roots and grass) damp 11" dark gray (10 YR 4/1) Silt, trace (+) clay no roots, damp to dry, crumbles easily, dense.	Cl	NA	200 cpm 2000 cpm OVA = <1
2 4	FMP-PS-01-063 FMP-PS-01-064	10/20/20/21	17 1/2	Same as last 11" above at 7" a 1" layer of material contains a trace of white (5 YR 8/1) mix throughout layer	Ml	NA	2000 cpm OVA = 2
4 6	FMP-PS-01-065 FMP-PS-01-066	13/17/12/12	22	Same as above, moisture content is increasing, damp, occasional (1/8"-1/2") layer of white (5 YR 8/1). Silt trace (+) clay. Also speck (1/10" - 1/8" dia.) mixed throughout sample, specks are white (5 YR 8/1) material	NA	NA	OVA = 2
6 8	FMP-PS-01-067 FMP-PS-01-068	4/3/4/4	16 1/2	Same as above, also trace (-) small roots (grass roots) also pieces of brown paper (grocery bag type), moist to wet	NA	NA	OVA = 2
8 10	FMP-PS-01-069 FMP-PS-01-070	2/3/3/2	15	Same as above, saturated, no paper trace (-) red (2.5 YR 5/8) occurs as specks, organic material present	NA	NA	OVA = 3
10 12	FMP-PS-01-071 FMP-PS-01-072	2/2/2/3	18	Same as above, saturated. Top 9" is softer than bottom 9" (more saturated)	NA	NA	Instrument malfunction OVA = 1
				Total Depth = 12 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-05-058, 059, 060 are composites of entire boring

cpm - counts per minute read with HP-210T

FERNALD/WEL0104.DRW/ij/8-7-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 01-05 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481414.22,1378221.63	DATE OF COMPLETION: 4/14/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	4/17/ 24/20	20	Dark grayish brown (10YR 5/3) clay; abundant rootlets/organic materail; moist; minor (0-3%) dark brown-black (10YR 5/2) sandy siltstone (fly ash ?) mixed in medium stiff.	CI	NA	95 cpm
2 4	NA	7/12/ 11/10	13-1/2	Dark grayish-brown (10YR 5/3) silty clay; trace organic (roots) materials medium stiff minor (0-4%) light gray (5YR 7/1) siltstone (?); slightly moist; clay grades downwards into a siltstone (?); coarser material downwards.	CI	NA	300 cpm
4 6	NA	3/5/ 7/5	15	Dark grayish-brown (10YR 5/4) clay, slightly moist; minor (0-6%) white (2.5Y 8/2) clayey (?) material; minor dark-brown black (10YR 5/2) clayey siltstone (?) ~0-8%; medium stiff.	CI	NA	2000 cpm (white material) 480 cpm (rest of material)
6 8	NA	7/9/ 7/6	23	Dark grayish-brown (10YR 5/4) clay large (.5 to 1 inch) rock clasts ~0-15%. 0-6% reddish yellow (7.5YR 7/2) clayey material; slightly moist. 4-6 inch black (7.5YR 2/2) silty (gritty), greasy material although rolls up similar to clay; at bottom of sample.	CI	NA	1000 cpm (clay) 1300 cpm (black material)
8 10	NA	6/10/ 9/10	14	Black (7.5YR 2/2) silty (gritty), greasy material; slightly moist; soft.	OT	NA	650 cpm
10 12	NA	6/6/ 4/4	17-1/2	Black (7.5YR 2/2) ~ 10.5 inches silty (gritty) greasy material underlain by yellow (10YR 8/8) clayey (?) greasy material; slightly moist yellow material shows a banding appearance with alternating light and dark shades of yellow, soft.	OT	NA	1300 cpm (black material) 1100 cpm (yellow material)
				Total Depth = 12 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T

Samples FMP-PS-01-017, and FMP-PS-01-030 are composites of entire boring.

FERNALD/01-05.DRW/mb/8-6-93

5129

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1765
WELL NUMBER: 1765

FIELD ENG./GEO.: HARRIS — DATE: 07/25/91
CHECKED BY : Not Noted — DATE: N/A
N,E COORDINATES: 481377.70, 1378289.9
DATE OF INSTAL.: 07/25/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITOR WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 10.0 Ft.
2ND PIPE SECTION: 10.0 Ft.
3RD PIPE SECTION: 5.0 Ft.
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER W/ PADLOC

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	582.48
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	15.5	N/A	N/A
Bentonite Pellets	15.5	17.5	N/A	N/A
Sand	17.5	22.5	N/A	N/A
Gravel	NA	NA	N/A	N/A
PERFORATED SECTION	18.0	22.0	N/A	N/A
WELL TIP	22.5		N/A	
BOTTOM OF BOREHOLE	22.5		N/A	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER BIT DURING WELL INSTALLATION.
COMMENTS:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1766
WELL NUMBER: 1766

FIELD ENG./GEO.: MARC HARRIS DATE: 07/16/91
CHECKED BY : JRW DATE: 08/08/91
N,E COORDINATES: 481349.56, 1378240.5
DATE OF INSTAL.: 07/16/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITOR WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 10.0 Ft.
2ND PIPE SECTION: 5.0 Ft.
3RD PIPE SECTION: 2.0 Ft.
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
OTHER PROTECTION (* NOTED BELOW)
* HINGED LOCKING COVER W/ PADLOC

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	583.48
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	13.0	581.1	568.1
Bentonite Pellets	13.0	15.0	568.1	566.1
Sand	15.0	20.5	566.1	560.6
Gravel	NA	NA	NA	NA
PERFORATED SECTION	16.0	20.0	565.1	561.1
WELL TIP	20.5		N/A	
BOTTOM OF BOREHOLE	20.5		N/A	
GWL AFTER INSTALLATION	7.41		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER BIT DURING WELL INSTALLATION.
COMMENTS:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1767
WELL NUMBER: 1767

FIELD ENG./GEO.: HARRIS/ GARMAN DATE: 07/02/91
CHECKED BY : Not Noted DATE: N/A
N,E COORDINATES: 481289.27, 1378278.7
DATE OF INSTAL.: 07/02/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITOR WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 10.0 Ft.
2ND PIPE SECTION: 5.0 Ft.
3RD PIPE SECTION: 2.0 Ft.
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER W/ PADLOC

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	582.49
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	13.0	N/A	567.5
Bentonite Pellets	13.0	15.0	567.5	565.5
Sand	15.0	21.0	565.5	559.5
Gravel	NA	NA	NA	NA
PERFORATED SECTION	16.0	20.0	564.5	560.5

WELL TIP	20.5	N/A
BOTTOM OF BOREHOLE	21.0	N/A
GWL AFTER INSTALLATION	6.65	N/A

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER BIT DURING INSTALLATION TO CONTROL/ PROHIBIT FLOW OF WASTE PIT MATERIALS INTO THE AUGER.

COMMENTS:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1765	COORDINATES: NORTH 481,377.70 EAST 1,378,289.96	DATE: 07/17/91
GROUND ELEVATION: 580.77	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/17/91
ENGINEER/GEOLOGIST: HARRIS, GARMAN	Depth N/A Date/Time N/A	DATE COMPLETED: 07/25/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 2

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63080	07/17/91	0950	2	6	HARD (7.5YR 5/4) BROWN SILTY CLAY, LOW COHESION, LOW PLASTICITY, SLIGHTLY MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βΓ =400 cpm
1.0	63081	07/17/91	0950	7	6	HARD (10YR 6/6) BROWNISH YELLOW CLAY, LOW COHESION, MODERATE PLASTICITY, SLIGHTLY MOIST.	CL	3.0	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
1.5	63082	07/17/91	0950	10	6	HARD (10YR 6/6) BROWNISH YELLOW GRADING INTO (10YR 4/1) DARK GRAY CLAY, MODERATE COHESION & PLASTICITY, SLIGHTLY MOIST.	CL	3.2	Hnu=0 ppm α =0 cpm βΓ =1900 cpm
2.0	63083	07/17/91	0955	7	6	FIRM (10YR 3/22) VERY DARK GRAYISH BROWN SILTY CLAY LIKE MATERIAL, MODERATE COHESION, GOOD PLASTICITY, MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
2.5	63084	07/17/91	0955	11	6	FIRM (10YR 3/22) VERY DARK GRAYISH BROWN SILTY CLAY LIKE MATERIAL, MODERATE COHESION, GOOD PLASTICITY, MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βΓ =2300 cpm
3.0	63085	07/17/91	0955	13	6	FIRM (10YR 3/22) VERY DARK GRAYISH BROWN SILTY CLAY LIKE MATERIAL, MODERATE COHESION, GOOD PLASTICITY, MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βΓ =2100 cpm
3.5	63086	07/17/91	1000	9	6	FIRM (10YR 4/1) DARK GRAY MOTTLED WITH (2.5YR, 4/4) REDDISH BROWN SILTY CLAY-LIKE MATERIAL, LOW COHESION & PLASTICITY, MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βΓ =1400 cpm
4.0	63087	07/17/91	1000	4	6	FIRM (10YR 4/1) DARK GRAY MOTTLED WITH (2.5YR, 4/4) REDDISH BROWN SILTY CLAY-LIKE MATERIAL, LOW COHESION & PLASTICITY, MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βΓ =1400 cpm
4.5	63088	07/17/91	1000	5	6	FIRM (10YR 4/1) DARK GRAY MOTTLED WITH (2.5YR 4/4) REDDISH BROWN SILTY CLAY-LIKE MATERIAL, LOW COHESION & PLASTICITY, MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βΓ =1600 cpm
7.0	63089	07/17/91	1020		24	SHELBY TUBE PUSHED BLOW COUNTS.			
7.5	63090	07/18/91	0814	2	6	LOOSE (10YR 4/1) DARK GRAY MOTTLED WITH (2.5Y 4/4) REDDISH BROWN CLAY-LIKE MATERIAL, MODERATE COHESION & PLASTICITY, VERY MOIST.	CL	NA	
8.0	63091	07/18/91	0814	3	0	NO RECOVERY.			
8.5	63092	07/18/91	0814	4	0	NO RECOVERY.			
11.0	63093	07/18/91	0830		0	SHELBY TUBE PUSHED FROM 8.5 - 11.0 FT. NO RECOVERY AFTER 2 ATTEMPTS. MATERIAL WAS DISPLACED TO 11.0 FT. SO SPLIT SPOON SAMPLE COULD NOT BE OBTAWED.			
11.5	63094	07/18/91	0845	3	6	LOOSE (10YR 4/1) DARK GRAY CLAY-LIKE MATERIAL, POOR COHESION, LOW PLASTICITY, PIECES OF PAPER INTERSPERSED IN MATERIAL, VERY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1200 cpm
12.0	63095	07/18/91	0845	3	6	LOOSE (10YR 4/1) DARK GRAY CLAY-LIKE MATERIAL, POOR COHESION, LOW PLASTICITY, PIECES OF PAPER INTERSPERSED IN MATERIAL, VERY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1500 cpm
12.5	63096	07/18/91	0845	3	0	NO RECOVERY.			

NOTES:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1765	COORDINATES: NORTH 481,377.70 EAST 1,378,289.96	DATE: 07/17/91
GROUND ELEVATION: 580.77	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/17/91
ENGINEER/GEOLOGIST: HARRIS, GARMAN	Depth N/A Date/Time N/A	DATE COMPLETED: 07/25/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 2

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
13.0	63097	07/18/91 0900	2	6	LOOSE (10YR 5/1) GRAY CLAY-LIKE MATERIAL WITH TRACE OF (10YR 8/1) WHITE GRANULAR MATERIAL, POOR COHESION, MEDIUM PLASTICITY, VERY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1200 cpm
13.5	63098	07/18/91 0900	3	6	LOOSE (10YR 5/1) GRAY CLAY-LIKE MATERIAL WITH TRACE OF (10YR 8/1) WHITE GRANULAR MATERIAL, POOR COHESION, MEDIUM PLASTICITY, VERY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =4000 cpm
14.0	63099	07/18/91 0900	3	0	NO RECOVERY.			
16.5	63101	07/25/91 0845		30	SHELBY TUBE PUSHED.			
17.0	63102	07/25/91 0900	1	6	VERY LOOSE (10YR 4/1) DARK GRAY SILTY CLAY LIKE MATERIAL, GELATINOUS IN NATURE, GOOD PLASTICITY, POOR COHESION, VERY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1500 cpm
17.5	63103	07/25/91 0900	1	6	VERY LOOSE (10YR 4/1) DARK GRAY SILTY CLAY LIKE MATERIAL, GELATINOUS IN NATURE, GOOD PLASTICITY, POOR COHESION, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
18.0	63104	07/25/91 0900	2	6	VERY LOOSE (2.5Y N8/) WHITE SILTY CLAY, PROBABLY ASH, GOOD PLASTICITY, GOOD COHESION, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1500 c
18.5	63105	07/25/91 0940	1		VERY LOOSE (2.5Y N8/) WHITE SILTY CLAY, PROBABLY ASH, GOOD PLASTICITY, GOOD COHESION, VERY MOIST.			Hnu=0 p α =0 cp βΓ =1500 cpm
19.0	63106	07/25/91 0955	1		VERY LOOSE (2.5Y N8/) WHITE SILTY CLAY, PROBABLY ASH, GOOD PLASTICITY, GOOD COHESION, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
19.5	63107	07/25/91 0955	4		LOOSE (2.5Y N8/) WHITE SANDY SILT WITH LOOSE GRAVEL, NO PLASTICITY OR COHESION, WET.	GM	NA	Hnu=0 ppm α =0 cpm βΓ =1500 cpm
20.0	63108	07/25/91 1005	3	6	LOOSE (2.5Y N8/) WHITE SANDY SILT WITH LOOSE GRAVEL, NO PLASTICITY OR COHESION, WET.	GM	NA	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
20.5	63109	07/25/91 1010	3	6	LOOSE (2.5Y N8/) WHITE GRAVELY SAND GRADING INTO (10YR 3/22) DARK GRAY SANDY CLAY, LOW COHESION, LOW PLASTICITY, VERY MOIST, PIECES OF PAPER INTERSPERSED.	GM	NA	Hnu=0 ppm α =0 cpm βΓ =800 cpm
21.0	63110	07/25/91 1030	3	6	VERY LOOSE (10YR 5/1) COARSE SAND WITH SILTY MATRIX, LOW COHESION, WET.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
21.5	63111	07/25/91 1130	4	6	LOOSE (10YR 5/1) COARSE SAND GRADING INTO (10YR 3/22) BLACK & GREEN HARD CLAY, NO COHESION, WET.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
22.0	63119	07/25/91 1135	7	6	LOOSE (2.5Y N7/) LIGHT GRAY COARSE SAND INTERBEDDED WITH 1/4" LENSE OF (2.5Y N8/) CLAY NO COHESION, WET.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm

BOTTOM OF BORING 22.5

NOTES:

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1766	COORDINATES: NORTH 481,349.56 EAST 1,378,240.51	DATE: 07/13/91
GROUND ELEVATION: 581.21	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/13/91
ENGINEER/GEOLOGIST: GARMAN/ HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 07/16/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 2

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63041	07/13/91 0955	8	6	MEDIUM DENSE (2.5Y 4/3) OLIVE BROWN CLAYEY SILT, ROOTLETS, SLIGHTLY MOIST.	ML	NA	Hnu=0 ppm α =0 cpm BΓ =2000 cpm
1.0	63042	07/13/91 0955	13	6	MEDIUM DENSE (2.5Y N4/) DARK GRAY CLAY-SIZED POWDER, COHESION DUE TO MOISTURE, NO MEASURABLE PLASTICITY, TRACE YELLOW PRECIPITANT, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm BΓ =14000 cpm
1.5	63043	07/13/91 0955	16	4	MEDIUM DENSE (2.5Y N5/) GRAY CLAY-SIZED POWDER WITH WAXY/FILMY APPEARANCE, NO MEASURABLE PLASTICITY, SLIGHTLY MOIST			Hnu=0 ppm α =0 cpm BΓ =1500 cpm
2.0	63044	07/13/91 1005	12	6	MEDIUM DENSE (2.5Y N/4/) GRAY CLAY-SIZED POWDERY PARTICLES, NO PLASTICITY, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm BΓ =1500 cpm
2.5	63045	07/13/91 1005	13	6	MEDIUM DENSE (2.5Y N/4/) GRAY CLAY-SIZED POWDERY PARTICLES, NO PLASTICITY, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm BΓ =2000 cpm
3.0	63046	07/13/91 1005	13	0	NO RECOVERY.			
3.5	63047	07/13/91 1010	17	6	MEDIUM DENSE (2.5Y N4/) GRAY CLAY-SIZED POWDER, NO PLASTICITY, LITTLE OR NO COHESION WHEN DRIED, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm BΓ =1500 cpm
4.0	63048	07/13/91 1010	11	6	MEDIUM DENSE (2.5Y N4/) GRAY CLAY-SIZED POWDER, NO PLASTICITY, LITTLE OR NO COHESION WHEN DRIED, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm BΓ =1800 cpm
4.5	63049	07/13/91 1010	10	6	MEDIUM DENSE (2.5Y N4/) GRAY CLAY-SIZED POWDER, NO PLASTICITY, LITTLE OR NO COHESION WHEN DRIED, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm BΓ =1800 cpm
7.0	63050	07/13/91 1040		22	SHELBY TUBE PUSHED FROM 4.5 TO 7.0 FT. 22 IN. RECOVERY.			Hnu=0 ppm α =0 cpm BΓ =1000 cpm
7.5	63051	07/13/91 1500	4	6	MEDIUM DENSE (2.5Y N4) GRAY CLAYLIKE MATERIAL, LOW PLASTICITY, SLIGHT COHESION, MODERATELY MOIST.			Hnu=0 ppm α =0 cpm BΓ =1500 cpm
8.0	63052	07/13/91 1500	3	6	FIRM, (10YR 4/2) DARK GRAYISH BROWN SILTY CLAY-LIKE MATERIAL, MODERATE COHESION, MOIST.	CL	1.0	Hnu=0 ppm α =0 cpm BΓ =2000 cpm
8.5	63053	07/13/91 1500	2	6	FIRM (10YR 4/2) DARK GRAYISH BROWN, MOTTLED WITH (10YR 4/8) RED SILTY CLAY-LIKE MATERIAL MODERATE COHESION, MOIST.	CL	1.0	Hnu=0 ppm α =0 cpm BΓ =2500 cpm
11.0	63054	07/13/91 1520		24	SHELBY TUBE PUSHED FROM 8.5 TO 11.0 FT. 24 IN. RECOVERY. DESCRIPTION NOT AVAIBABLE BOTTOM CAPPED IMMEDIATELY TO PREVENT SPILLAGE.			Hnu=0 ppm α =0 cpm BΓ =2000 cpm
11.5	63055	07/13/91 1530	1	6	FIRM (2.5Y N3/) VERY DARK GRAY SILTY CLAY-LIKE, MODERATE COHESION, MODERATE PLASTICITY, MOIST.	CL	1.0	Hnu=0 ppm α =0 cpm BΓ =1500 cpm
12.0	63056	07/13/91 1530	1	6	FIRM (2.5Y N3/) VERY DARK GRAY SILTY CLAY-LIKE, MODERATE COHESION, MODERATE PLASTICITY, MOIST.	CL	1.0	Hnu=0 ppm α =0 cpm BΓ =2000 cpm
12.5	63057	07/13/91 1530	1	6	FIRM (2.5Y N3/) VERY DARK GRAY SILTY CLAY-LIKE, MODERATE COHESION, MODERATE PLASTICITY, MOIST.	CL	1.0	Hnu=0 ppm α =0 cpm BΓ =2000 cpm

NOTES:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1766	COORDINATES: NORTH 481,349.56 EAST 1,378,240.51	DATE: 07/13/91
GROUND ELEVATION: 581.21	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/13/91
ENGINEER/GEOLOGIST: GARMAN/ HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 07/16/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 2

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
13.0	63058 07/13/91 1540		1	6	FIRM (2.5Y N3/) VERY DARK GRAY SILTY CLAY-LIKE MATERIAL, MODERATE COHESION, MODERATE PLASTICITY, MOIST.	CL	0.75	Hnu=0 ppm α =0 cpm Bγ =1700 cpm
13.5	63059 07/13/91 1540		4	6	FIRM (2.5Y N3/) VERY DARK GRAY SILTY CLAY-LIKE MATERIAL, MODERATE COHESION, MODERATE PLASTICITY, MOIST.	CL	0.75	Hnu=0 ppm α =0 cpm Bγ =1700 cpm
14.0	63060 07/13/91 1540		3	6	FIRM (2.5Y N3/) VERY DARK GRAY SILTY CLAY-LIKE MATERIAL, MODERATE COHESION, MODERATE PLASTICITY, MOIST.	CL	0.75	Hnu=0 ppm α =0 cpm Bγ =1700 cpm
16.5	63062 07/14/91 0940			26	SHELBY TUBE PUSHED FROM 14.0 TO 16.5 FT. 26 IN. RECOVERY. DESCRIPTION NOT AVAILABLE - BOTTOM CAPPED IMMEDIATELY TO PREVENT SPILLAGE.			Hnu=0 ppm α =0 cpm Bγ =1000 cpm
17.0	63063 07/14/91 0950		4	6	SOFT (2.5Y N3/) VERY DARK GRAY CLAY-SIZED PARTICLES, CONSISTENCY SIMILAR TO GELATIN, LOW PLASTICITY, VERY MOIST.	CL	0.5	Hnu=0 ppm α =0 cpm Bγ =1500 cpm
17.5	63064 07/14/91 0950		2	6	SOFT (2.5Y N3/) VERY DARK GRAY CLAY-SIZED PARTICLES, CONSISTENCY SIMILAR TO GELATIN, LOW PLASTICITY, VERY MOIST.	CL	0.5	Hnu=0.5 ppm α =0 cpm Bγ =1700 cpm
18.0	63065 07/14/91 0950		2	6	SOFT (2.5Y N3/) VERY DARK GRAY CLAY-SIZED PARTICLES, CONSISTENCY SIMILAR TO GELATIN, LOW PLASTICITY, VERY MOIST.	CL	0.5	Hnu=0.5 ppm α =0 cpm Bγ =2000 c
18.5	63066 07/14/91 1000		3	6	SOFT (2.5Y N3/) VERY DARK GRAY GRADING INTO (2.5Y N7/) LIGHT GRAY CLAY-LIKE MATERIAL, GELATIN-LIKE CONSISTENCY, LOW PLASTICITY, VERY MOIST.	CL	0.5	Hnu=0.1 p α =0 cp Bγ =1500 cpm
19.0	63067 07/14/91 1345		3	6	SOFT (2.5Y N3/) VERY DARK GRAY SILTY CLAY-LIKE MATERIAL, LOW PLASTICITY, VERY MOIST.	CL	0.5	Hnu=0.1 ppm α =0 cpm Bγ =1700 cpm
19.5	63068 07/14/91 1350		3	6	SOFT (2.5Y N3/) VERY DARK GRAY SILTY CLAY-LIKE MATERIAL, LOW PLASTICITY, VERY MOIST.	CL	0.5	Hnu=0.1 ppm α =0 cpm Bγ =1700 cpm
20.0	63069 07/14/91 1400		3	6	SOFT (10YR 4/2) DARK GRAYISH BROWN CLAY-LIKE MATERIAL MOTTLED WITH (10YR 4/8) RED, SOME (2.5Y 6/4) LIGHT YELLOW BROWN GRANDULAR MATERIAL, LOW PLASTICITY, VERY MOIST.	CL	0.5	Hnu=0.5 ppm α =0 cpm Bγ =2000 cpm
20.5	63070 07/14/91 1420		4	6	(20.0 -20.4') FIRM (10YR 4/2) DARK GRAYISH BROWN SILTY CLAY-LIKE MATERIAL, MODERATE COHESION, MODERATE PLASTICITY, VERY MOIST. (20.4'-20.5) CLAY LINER: VERY HARD (10YR 5/4)	CL CL	>4.0	Hnu=0 ppm α =0 cpm Bγ =1700 cpm

BOTTOM OF BORING 20.5

NOTES:
BOTTOM OF BORING AT 20.5 FT. PIEZOMETER INSTALLED PIEZOMETER TIP AT 20.5 FT.

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1767	COORDINATES: NORTH 481,289.27 EAST 1,378,278.74	DATE: 06/25/91
GROUND ELEVATION: 580.70	GWL: Depth N/A Date/Time N/A	DATE STARTED: 06/25/91
ENGINEER/GEOLOGIST: HARRIS/ GARMAN	Depth N/A Date/Time N/A	DATE COMPLETED: 07/02/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 2

DEPTH	SAMPLE / DATE / TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63001 06/25/91 1445	7 20 14	6	DENSE (2.5Y 5/4) LIGHT OLIVE BROWN CLAYEY SILT, TRACE FINE GRAVEL, ROOTLETS, DRY.	ML	NA	Hnu=0 ppm α =0 cpm βΓ =5000 cpm
1.0	63002 06/25/91 1445	7 20 14	6	DENSE (2.5Y N5/) GRAY ASH-LIKE MATERIAL WITH A WAXY CONSISTENCY, CLAY-SIZED PARTICLES, NO MEASURABLE PLASTICITY, (TRACES OF GREEN SALT) MOIST.			Hnu=0 ppm α =0 cpm βΓ =2600 cpm
1.5	63003 06/25/91 1445	7 20 14	0	NO RECOVERY.			
2.0	63004 06/25/91 1500	11 15 9	6	MEDIUM DENSE (7.5YR NG/) GRAY AND REDDISH PURPLE MOTTLED ASH-LIKE POWDERY MATERIAL WITH A WAXY CONSISTENCY, CLAY-SIZED PARTICLES, NO MEASURABLE PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
2.5	63005 06/25/91 1500	11 15 9	6	MEDIUM DENSE (7.5YR NG/) GRAY AND REDDISH PURPLE MOTTLED ASH-LIKE POWDERY MATERIAL WITH A WAXY CONSISTENCY, CLAY-SIZED PARTICLES, NO MEASURABLE PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
3.0	63006 06/25/91 1500	11 15 9	6	MEDIUM DENSE (7.5YR NG/) GRAY AND REDDISH PURPLE MOTTLED ASH-LIKE POWDERY MATERIAL WITH A WAXY CONSISTENCY, CLAY-SIZED PARTICLES, NO MEASURABLE PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
3.5	63007 06/25/91 1500	14	3	MEDIUM DENSE (7.5YR NG/) GRAY AND REDDISH PURPLE MOTTLED ASH-LIKE POWDERY MATERIAL WITH A WAXY CONSISTENCY, CLAY-SIZED PARTICLES, NO MEASURABLE PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =1800 cpm
6.0	63008 06/25/91 1510		27	SHELBY TUBE PUSHED FROM 3.5 TO 6.0 FT. 27 INCHES RECOVERED. THE MATERIAL AT THE BOTTOM WAS ASH-LIKE POWDERY MATERIAL WITH A WAXY CONSISTENCY, COLOR WAS MOTTLED GRAY, WHITE, BLACK, AND			Hnu=0 ppm α =0 cpm βΓ =2000 cpm
6.5	63009 06/27/91 0840	2 1 2	6	VERY LOOSE WHITE CLAY-LIKE MATERIAL, TRACE BLACK GRANULES. NO MEASURABLE PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =10000 cpm
7.0	63010 06/27/91 0840	2 1 2	0	NO RECOVERY.			
7.5	63011 06/27/91 0840	2 1 2	0	NO RECOVERY.			
10.0	63012 06/27/91 0855		0	SHELBY TUBE PUSHED FROM 7.5 TO 10.0 FT. NO RECOVERY AFTER 2 ATTEMPTS.			
10.5	63013 06/27/91 0905	1 1 1	6	VERY LOOSE (2.5Y N6/) GRAY CLAY-SIZED MATERIAL, SOME WHITE POWDERY MATERIAL, NO MEASURABLE PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =15000 cpm
11.0	63014 06/27/91 0905	1 1 1	6	VERY LOOSE (2.5Y N6/) GRAY SOUPY SLUDGE, (SIMILAR CONSISTENCY TO VOC CLAY GROUT) SOME COURSE GRAVEL, WET.			Hnu=0 ppm α =0 cpm βΓ =26000 cpm
11.5	63015 06/27/91 0905	1 1 1	6	VERY LOOSE (2.5Y N6/) GRAY SOUPY SLUDGE, (SIMILAR CONSISTENCY TO VOC CLAY GROUT) SOME COURSE GRAVEL, WET.			Hnu=0 ppm α =0 cpm βΓ =30000 cpm
12.0	63016 06/27/91 0905	1	3	VERY LOOSE (2.5Y N6/) GRAY SOUPY SLUDGE, (SIMILAR CONSISTENCY TO VOC CLAY GROUT) SOME COURSE GRAVEL, WET.			Hnu=0 ppm α =0 cpm βΓ =28000 cpm
14.5	63018 06/28/91 0900		0	SHELBY TUBE PUSHED FROM 12.0 TO 14.5 FT. NO RECOVERY AFTER 2 ATTEMPTS.			

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1767	COORDINATES: NORTH 481,289.27 EAST 1,378,278.74	DATE: 06/25/91
GROUND ELEVATION: 580.70	GWL: Depth N/A Date/Time N/A	DATE STARTED: 06/25/91
ENGINEER/GEOLOGIST: HARRIS/ GARMAN	Depth N/A Date/Time N/A	DATE COMPLETED: 07/02/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 2

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
15.0	63019	06/28/91 0920	2	6	VERY LOOSE (2.5Y N7/) LIGHT GRAY CLAY-SIZED SOUPY MATERIAL, SOME SILT AND SAND, SOME FINE GRAVEL, NO MEASURABLE PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =22000 cpm
15.5	63020	06/28/91 0920	2 0	6	VERY LOOSE (2.5Y N7/) LIGHT GRAY CLAY-SIZED SOUPY MATERIAL, SOME SILT AND SAND, SOME FINE GRAVEL, NO MEASURABLE PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =22000 cpm
16.0	63021	06/28/91 0920	2 0	3	VERY LOOSE (2.5Y N7/) LIGHT GRAY SOUPY CLAY-SIZED MATERIAL WITH NEARLY 50% SILT, SAND AND GRAVEL, NO MEASURABLE PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =22000 cpm
16.5	63022	06/28/91 0930	1 2 2	6	VERY LOOSE LIGHT GREENISH GRAY SOUPY CLAY-SIZED MATERIAL, (HAS FOAMY, MERENGUE-LIKE APPEARANCE). 40% SILT, SAND AND GRAVEL. NO MEASURABLE PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =25000 cpm
17.0	63023	06/28/91 0930	1 2 2	6	VERY LOOSE LIGHT GREENISH GRAY SOUPY CLAY-SIZED MATERIAL, (HAS FOAMY, MERENGUE-LIKE APPEARANCE). 40% SILT, SAND AND GRAVEL. NO MEASURABLE PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =25000 cpm
17.5	63024	06/28/91 0930	1 2 2	6	VERY LOOSE LIGHT GREENISH GRAY SOUPY CLAY-SIZED MATERIAL, (HAS FOAMY, MERENGUE-LIKE APPEARANCE). 40% SILT, SAND AND GRAVEL. NO MEASURABLE PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =24000 cpm
18.0	63025	06/28/91 0940	2 1 4	6	VERY LOOSE (2.5Y N8/) MOTTLED WHITE GRAY, AND BLACK SOUPY CLAY-SIZED MATERIAL, SOME COARSE SAND AND GRAVEL (BLACK) NO MEASURABLE PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =24000 c
18.5	63026	06/29/91 0925	2 1 4	6	VERY LOOSE (5Y 6/1) GRAY SILTY MATERIAL, SOME CLAY, TRACE BLACK GRAVEL SOME WOOD CHIPS, NO MEASURABLE PLASTICITY, WET.			Hnu=0 p α =0 cp βΓ =15000 cpm
19.0	63027	06/29/91 0940	2 1 4	5	VERY LOOSE (2.5Y N6/) GRAY CLAYEY, SANDY SILT, TRACE FINE GRAVEL, NO MEASURABLE PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =22000 cpm
19.5	63028	06/29/91 0950	3 2 3	6	VERY LOOSE (2.5Y N6/) GRAY SANDY SILT, SOME FINE TO COARSE GRAVEL, TRACE CLAY, WET.			Hnu=0 ppm α =0 cpm βΓ =33000 cpm
20.0	63029	06/29/91 1520	3 2 3	6	VERY LOOSE (2.5Y N5/) GRAY CLAYEY SILT SOME FINE TO COARSE BLACK GRAVEL, TRACE GREEN MATERIAL, PIECES OF STRING, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =23000 cpm
20.5	63030	06/29/91 1530	3 2 3	5	VERY LOOSE (2.5Y N5/) GRAY COARSE GRAVEL, SOME SANDY SILT, TRACE CLAY, VERY MOIST.	GM	NA	Hnu=0 ppm α =0 cpm βΓ =22000 cpm
21.0	63031	06/29/91 1540	20	6	(20.5 TO 20.7 FT.) VERY LOOSE (2.5Y N5/) GRAY COARSE GRAVEL SOME SANDY SILT TRACE CLAY VERY MOIST. (20.7 TO 21.0 FT.) VERY HARD (2.5Y 5/2) GRAYISH BROWN CLAY, SOME SILT TRACE FINE GRAV	GM	NA	Hnu=0 ppm α =0 cpm βΓ =20000 cpm

BOTTOM OF BORING 21.0

NOTES:
BOTTOM OF BORING AT 21.0 FT. PIEZOMETER INSTALLED.

A.1.1.2

PIT 1
PIT MATERIAL
GEOTECHNICAL RESULTS

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD	USCS SYMBOL:	ML
PROJECT NO.:	484170	WATER CONTENT, %:	23.6
CUST. SAMPLE NO.:	63089	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-635	PLASTICITY INDEX:	NONPLASTIC
SPECIFIC GRAVITY:	3.0327 (MEASURED)		
USCS GROUP NAME:	SILT		

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.9
NO. 10	2.000	99.7
NO. 20	0.850	99.6
NO. 40	0.425	99.1
NO. 60	0.250	97.5
NO. 140	0.106	92.6
NO. 200	0.075	90.3

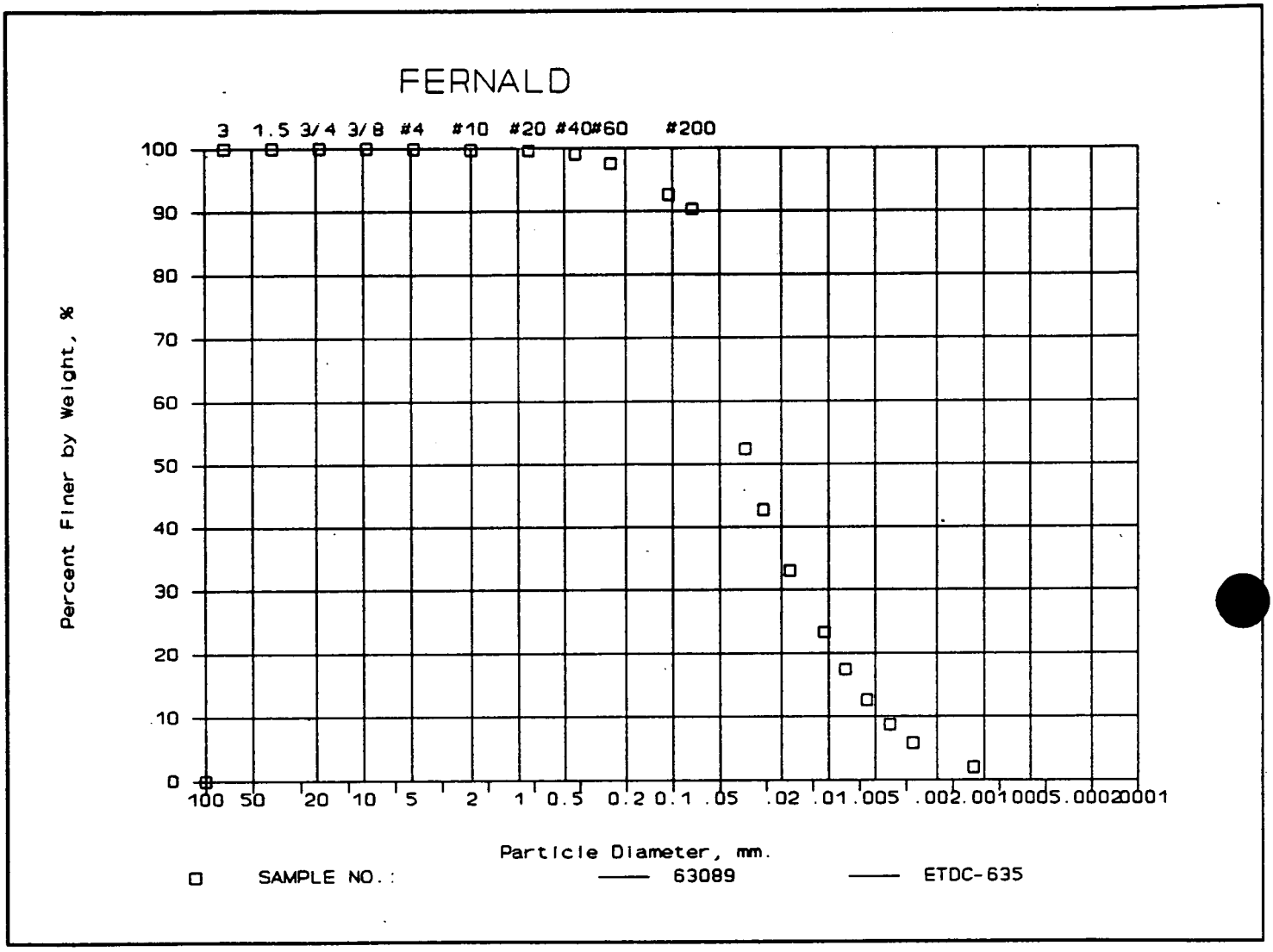
HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0344	52.4
0.0262	42.7
0.0176	33.0
0.0106	23.3
0.0078	17.5
0.0056	12.6
0.0040	8.7
0.0029	5.8
0.0012	1.9

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170



682-1-89

Name: Jenny Vance
IT Corporation
Date: November 26, 1991
Client Project ID: Fernald OU-1 ETDC Project No.: 484266

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	Fernald	USCS SYMBOL:	ML
PROJECT NO.:	484266	WATER CONTENT,%:	20.9
CUST. SAMPLE NO.:	63101	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-835	PLASTICITY INDEX:	NP
SPECIFIC GRAVITY:	2.9235 (MEASURED)	DRY DENSITY:	120.46 pcf
SOIL CLASSIFICATION:	Silt		

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	100.0
NO. 10	2.000	100.0
NO. 20	0.850	99.8
NO. 40	0.425	99.4
NO. 60	0.250	98.5
NO. 140	0.106	94.9
NO. 200	0.075	91.7

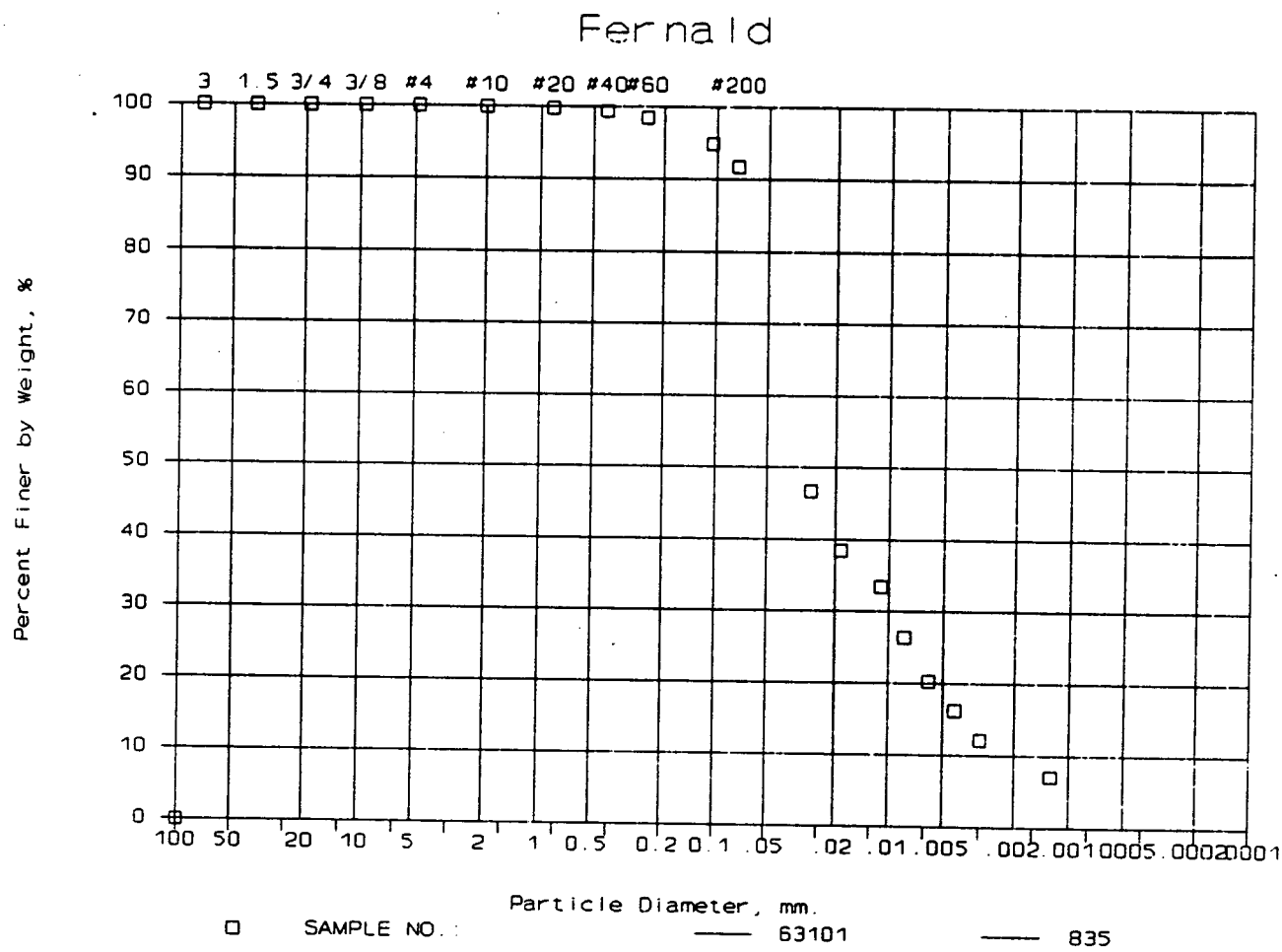
HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0280	46.6
0.0186	38.5
0.0111	33.4
0.0082	26.3
0.0060	20.3
0.0043	16.2
0.0031	12.2
0.0013	7.1

682-1-89

Name: Jenny Vance
IT Corporation
Date: November 26, 1991
Client Project ID: Fernald OU-1 ETDC Project No.: 484266

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



682-1-89

Name: Jenny Vance
IT Corporation
Date: November 26, 1991
Client Project ID: Fernald OU-1

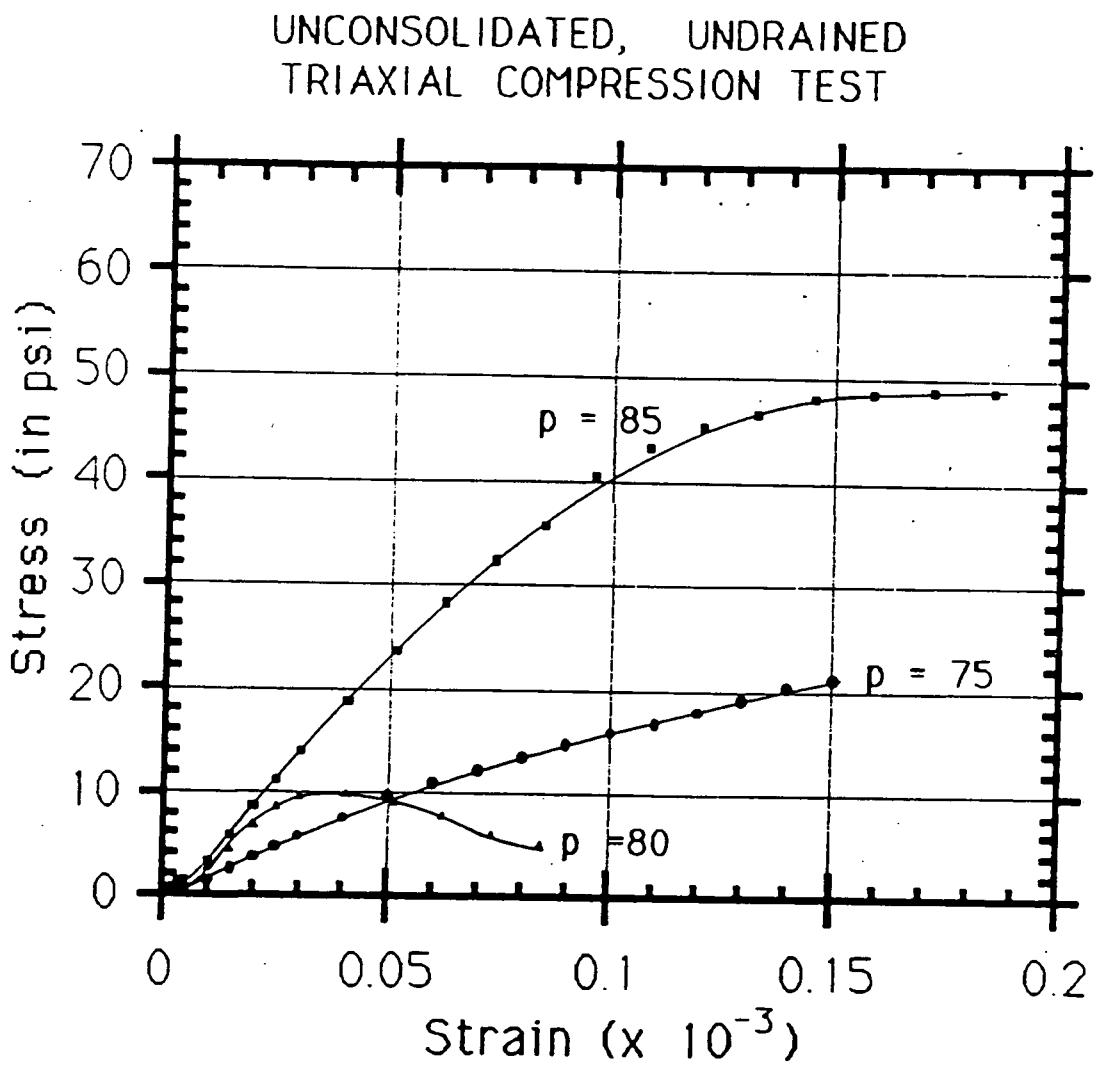
-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484266

MINOR PRINCIPAL STRESS	MAJOR PRINCIPAL STRESS	COMPRESSIVE STRENGTH	AXIAL STRAIN
85.0 PSI	132.41 PSI	47.41 PSI	15.0%

*SPECIMEN LOADED AT 80.0 PSI CELL PRESSURE INDICATED EARLY FAILURE DUE TO NONCOHESIVE TEST MATERIAL.



682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD	USCS SYMBOL:	NOT REQUESTED
PROJECT NO.:	484170	WATER CONTENT, %:	30.0
CUST. SAMPLE NO.:	63113	LIQUID LIMIT:	NOT REQUESTED
ETDC SAMPLE NO.:	ETDC-636	PLASTICITY INDEX:	NOT REQUESTED
SPECIFIC GRAVITY:	3.0300 (ASSUMED)		

SIEVE ANALYSIS

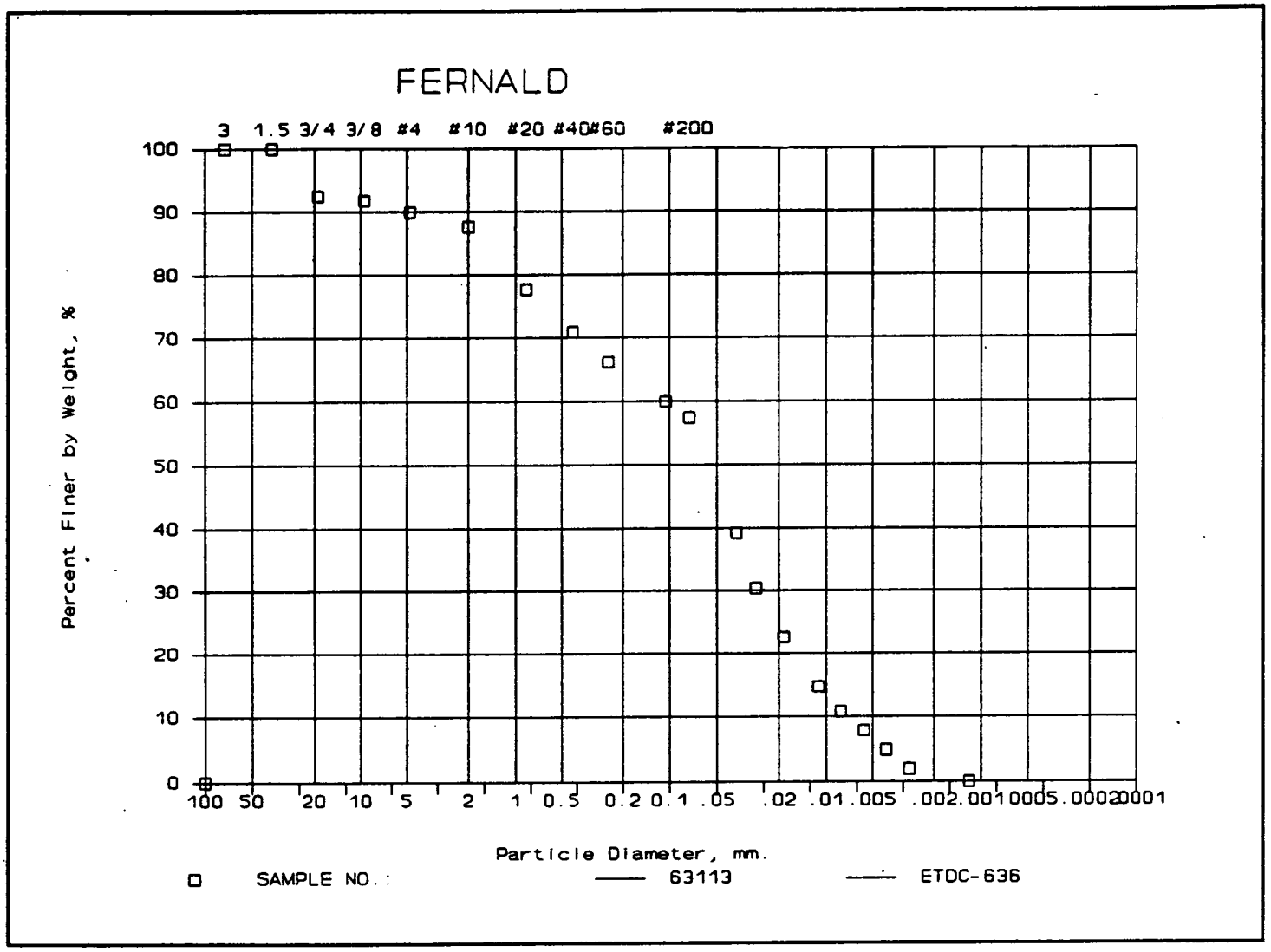
SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	92.5
0.375 in	9.500	91.8
NO. 4	4.750	89.9
NO. 10	2.000	87.6
NO. 20	0.850	77.7
NO. 40	0.425	70.9
NO. 60	0.250	66.1
NO. 140	0.106	60.0
NO. 200	0.075	57.4

HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0375	39.2
0.0281	30.4
0.0185	22.5
0.0112	14.7
0.0080	10.8
0.0057	7.8
0.0041	4.9
0.0029	2.0
0.0012	0.0

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170



Name: Jenny Vance
IT Corp
Date: December 5, 1991
Client Project ID: OU-1 ETDC Project No.: 484265

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	Fernald	WATER CONTENT,%:	22.1
PROJECT NO.:	484265	DRY DENSITY:	114.1 pcf
CUST. SAMPLE NO.:	63089		
SAMPLE NO.:	633		

Name: Jenny Vance
IT Corp
Date: December 5, 1991
Client Project ID: OU-1 ETDC Project No.: 484265

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	Fernald	WATER CONTENT,%:	24.6
PROJECT NO.:	484265	DRY DENSITY:	106.6 pcf
CUST. SAMPLE NO.:	63089		
SAMPLE NO.:	635		

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD	USCS SYMBOL:	CL
PROJECT NO.:	484170	WATER CONTENT, %:	19.3
CUST. SAMPLE NO.:	63050	LIQUID LIMIT:	20
ETDC SAMPLE NO.:	ETDC-631	PLASTICITY INDEX:	3
SPECIFIC GRAVITY:	3.0342 (MEASURED)		
USCS GROUP NAME:	LEAN CLAY		

SIEVE ANALYSIS

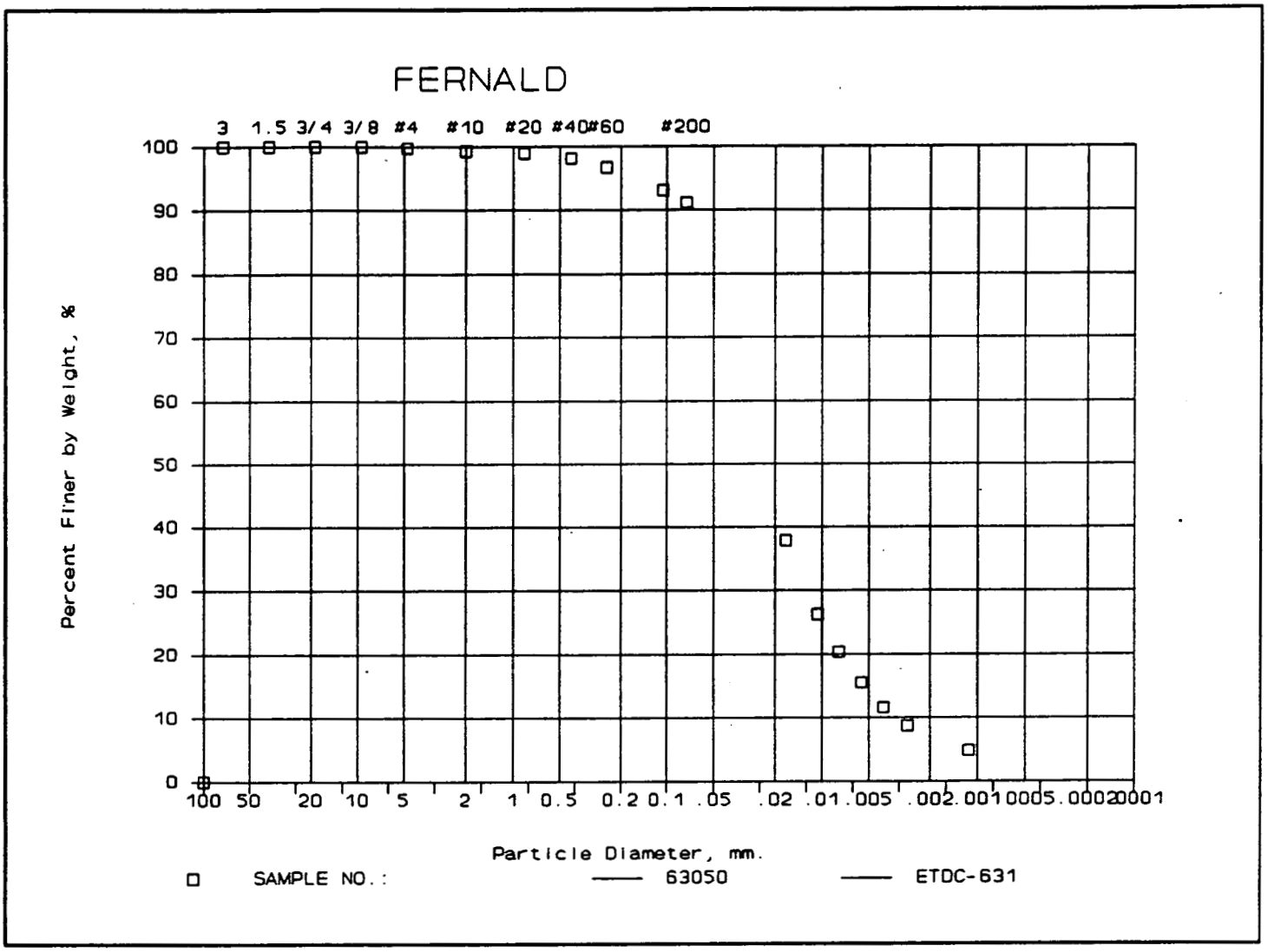
SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.8
NO. 10	2.000	99.3
NO. 20	0.850	98.9
NO. 40	0.425	98.2
NO. 60	0.250	96.8
NO. 140	0.106	93.1
NO. 200	0.075	91.2

HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0171	37.9
0.0106	26.2
0.0077	20.4
0.0056	15.5
0.0040	11.7
0.0028	8.7
0.0011	4.9

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170



682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD	USCS SYMBOL:	ML
PROJECT NO.:	484170	WATER CONTENT, %:	15.9
CUST. SAMPLE NO.:	63054	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-632	PLASTICITY INDEX:	NONPLASTIC
SPECIFIC GRAVITY:	3.1515 (MEASURED)		
USCS GROUP NAME:	SILT		

SIEVE ANALYSIS

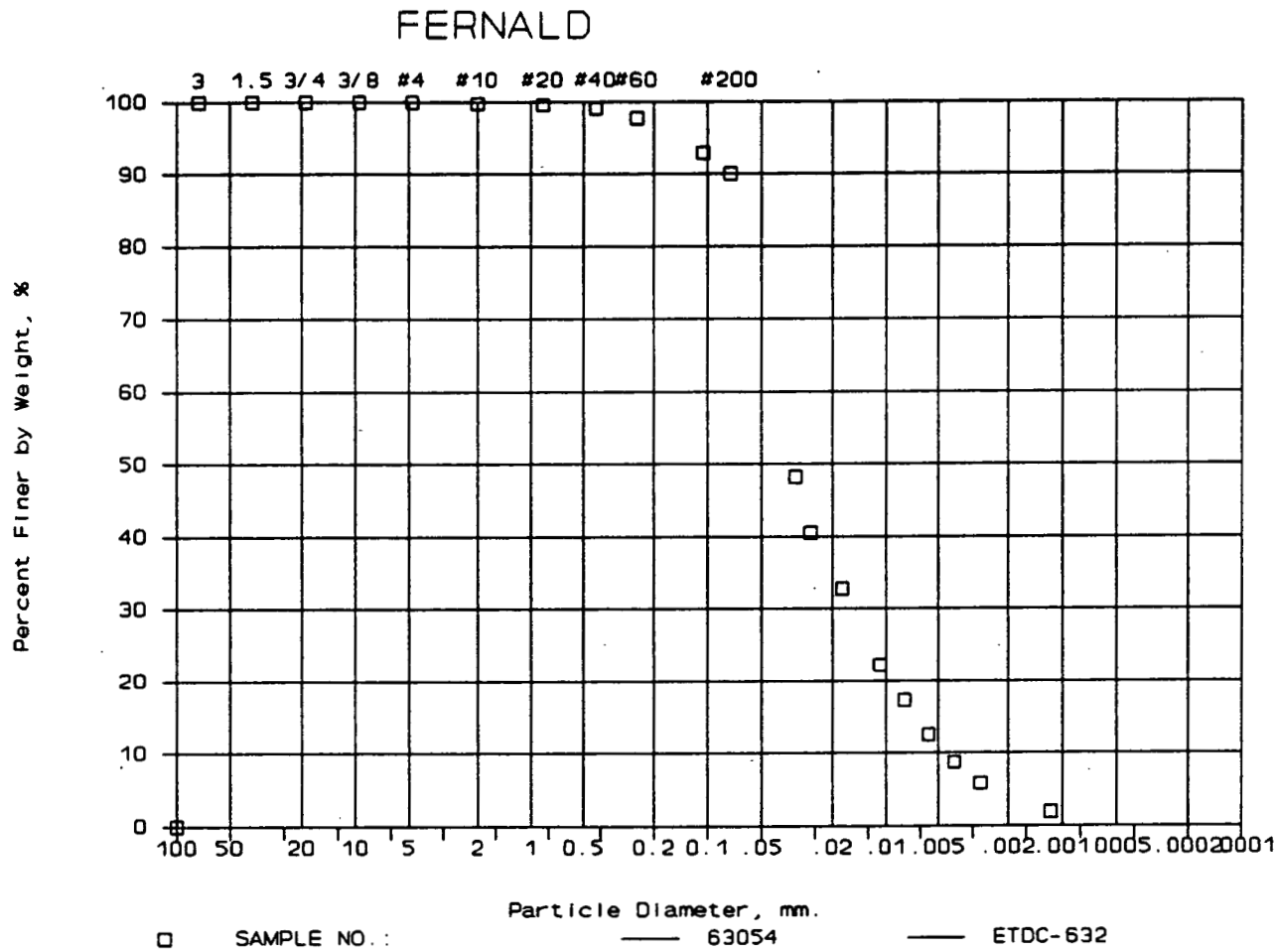
SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	100.0
NO. 10	2.000	99.8
NO. 20	0.850	99.6
NO. 40	0.425	99.1
NO. 60	0.250	97.8
NO. 140	0.106	92.9
NO. 200	0.075	90.0

HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0324	48.3
0.0266	40.5
0.0176	32.8
0.0108	22.2
0.0078	17.4
0.0056	12.5
0.0040	8.7
0.0029	5.8
0.0012	1.9

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170



682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD	USCS SYMBOL:	ML
PROJECT NO.:	484170	WATER CONTENT, %:	21.8
CUST. SAMPLE NO.:	63062	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-633	PLASTICITY INDEX:	NONPLASTIC
SPECIFIC GRAVITY:	3.0295 (MEASURED)		
USCS GROUP NAME:	SILT		

SIEVE ANALYSIS

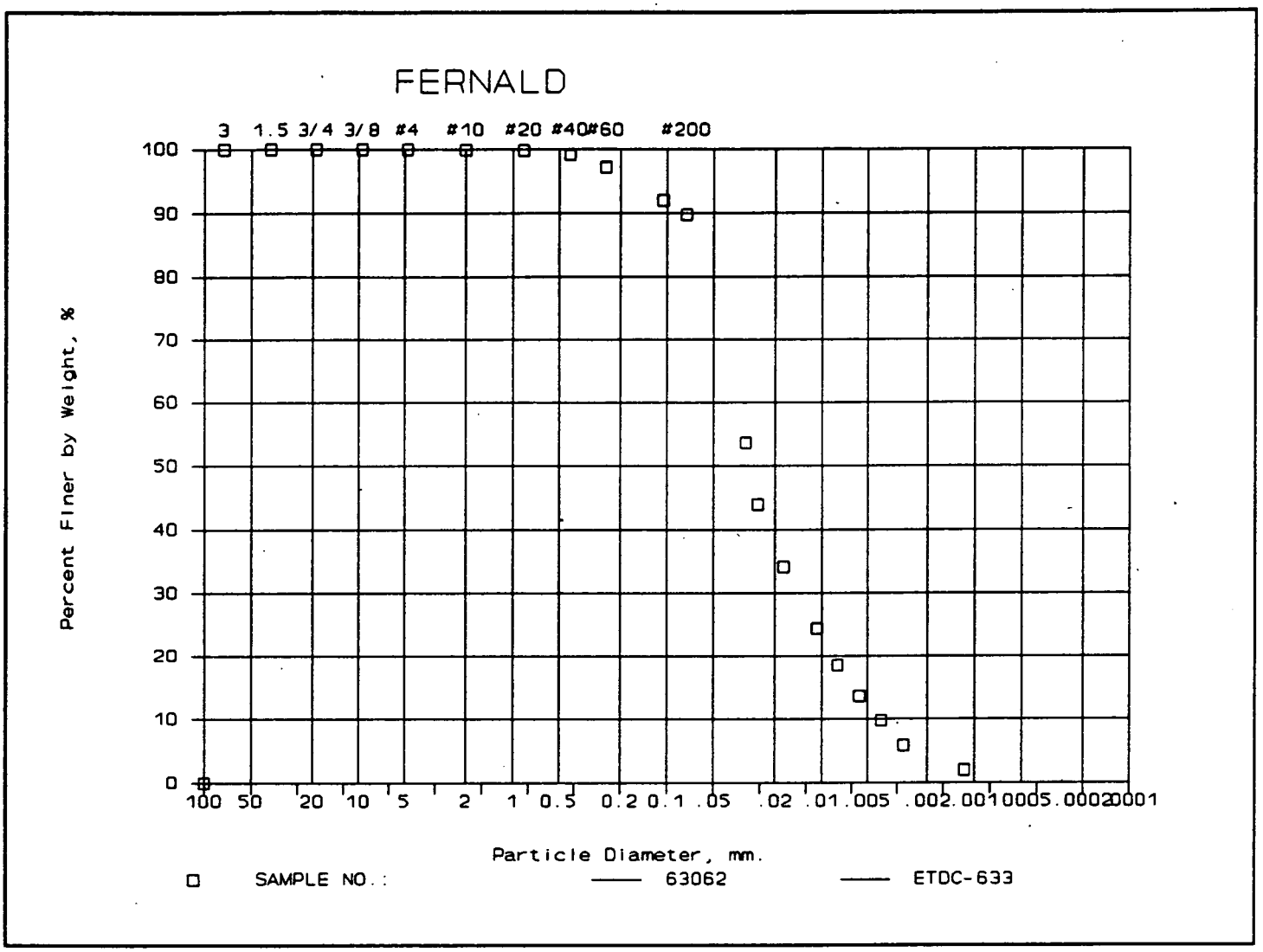
SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	100.0
NO. 10	2.000	99.9
NO. 20	0.850	99.8
NO. 40	0.425	99.1
NO. 60	0.250	97.1
NO. 140	0.106	92.0
NO. 200	0.075	89.8

HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0311	53.7
0.0260	43.9
0.0175	34.2
0.0107	24.4
0.0078	18.5
0.0056	13.7
0.0040	9.8
0.0029	5.9
0.0012	2.0

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170



682-1-89

Name: Jenny Vance
IT Corp
Date: December 5, 1991
Client Project ID: OU-1 ETDC Project No.: 484265

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	Fernald	WATER CONTENT,%:	19.5
PROJECT NO.:	484265	DRY DENSITY:	114.9 pcf
CUST. SAMPLE NO.:	63050		
SAMPLE NO.:	631		

Name: Jenny Vance
IT Corp
Date: December 5, 1991
Client Project ID: OU-1

5129

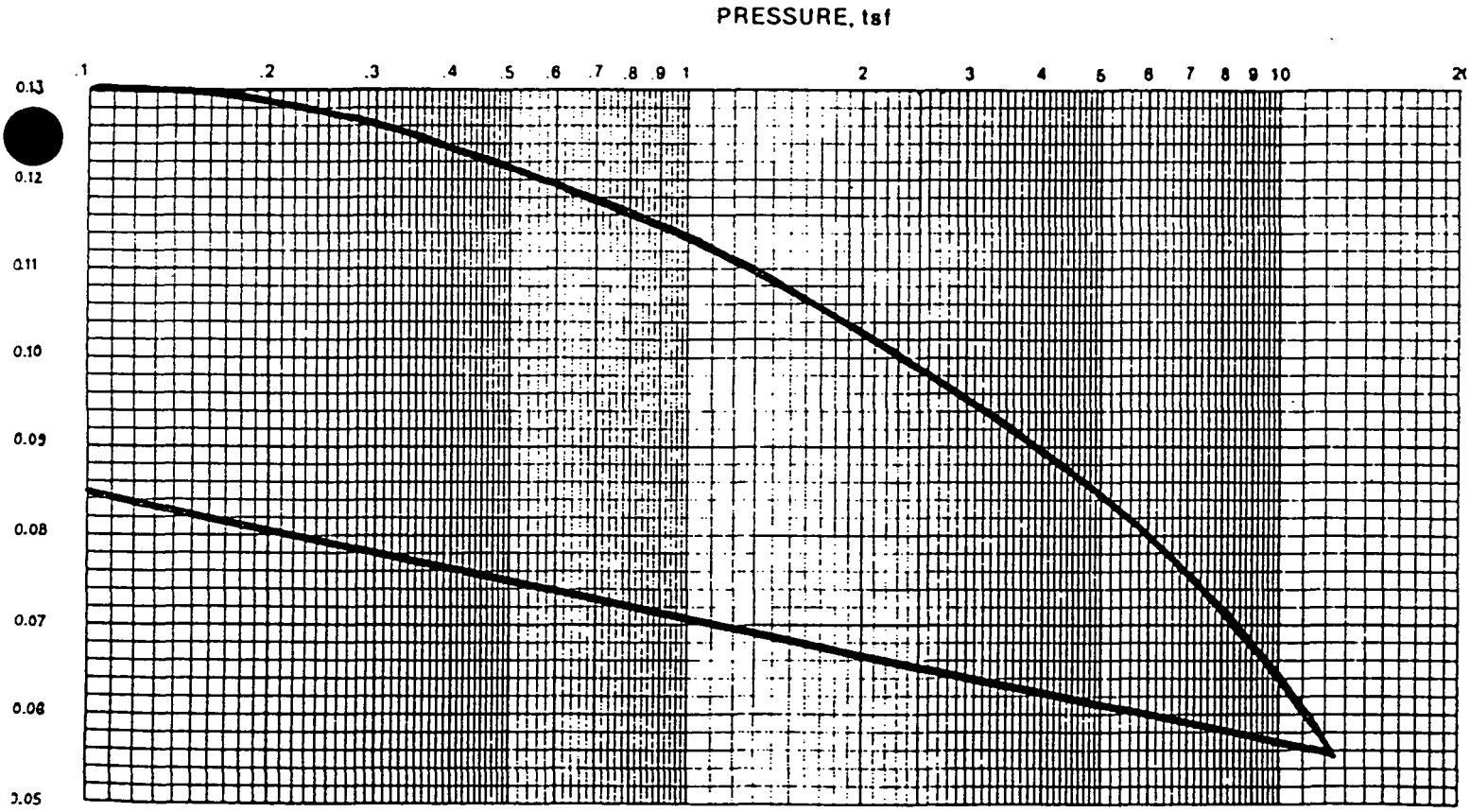
IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484265

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	Fernald	WATER CONTENT, %:	18.7
PROJECT NO.:	484265	DRY DENSITY:	117.9 pcf
CUST. SAMPLE NO.:	63054	COEFF. OF PERMEABILITY:	1.2 E-5 cm/sec
SAMPLE NO.:	632		

CONSOLIDATION TEST



682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170

SAMPLE ANALYSIS RESULTS

PROJECT NAME: FERNALD
PROJECT NO.: 484170
CUST. SAMPLE NO.: 63072
ETDC SAMPLE NO.: ETDC-634
SPECIFIC GRAVITY: 3.0300 (ASSUMED)

USCS SYMBOL: NOT REQUESTED
WATER CONTENT, %: 23.1
LIQUID LIMIT: NOT REQUESTED
PLASTICITY INDEX: NOT REQUESTED

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.8
NO. 10	2.000	99.5
NO. 20	0.850	99.3
NO. 40	0.425	98.7
NO. 60	0.250	97.2
NO. 140	0.106	93.2
NO. 200	0.075	91.2

HYDROMETER ANALYSIS

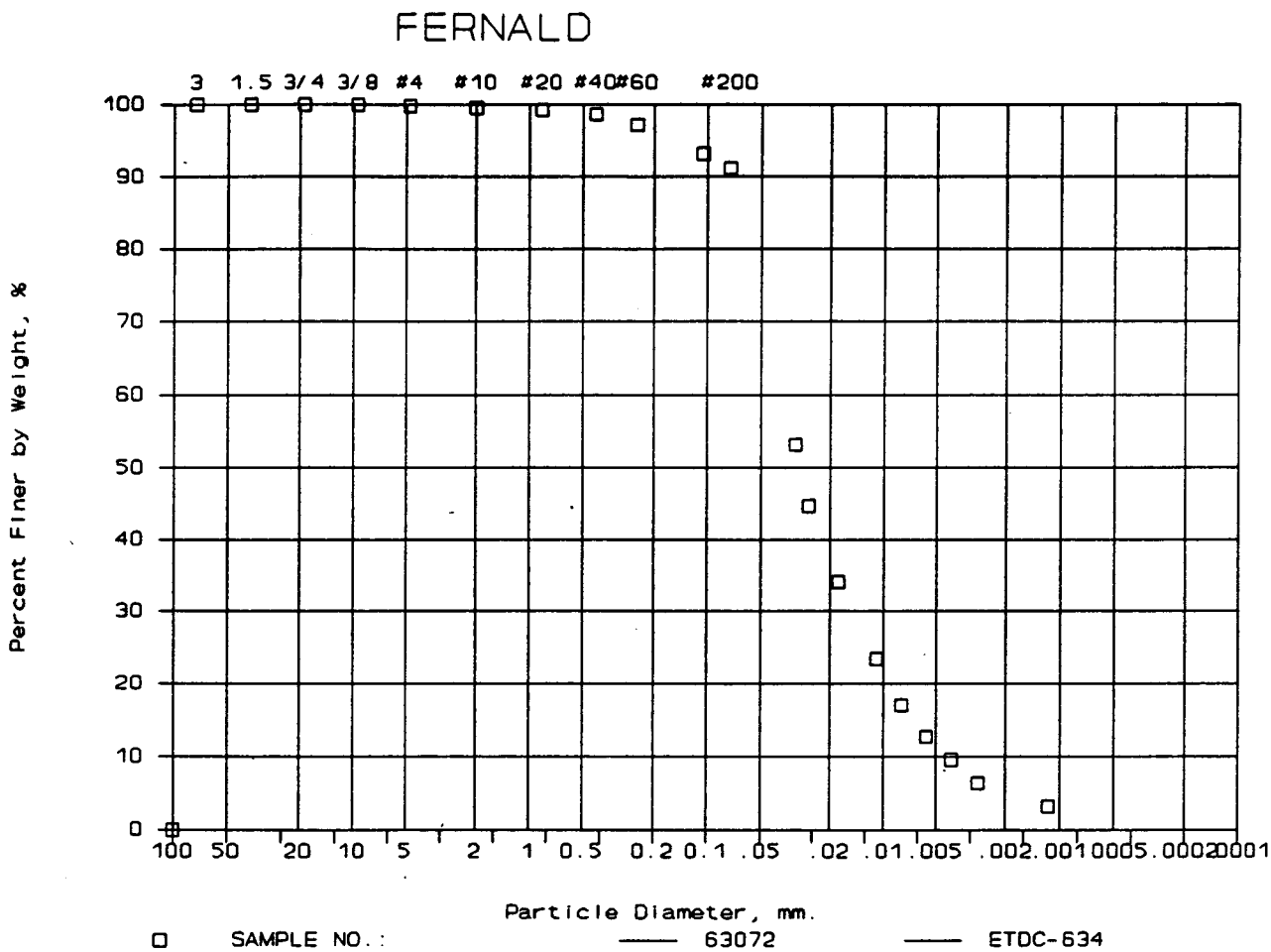
DIAMETER (mm)	PERCENT FINER (%)
0.0317	53.2
0.0266	44.7
0.0179	34.1
0.0109	23.4
0.0079	17.0
0.0057	12.8
0.0041	9.6
0.0029	6.4
0.0012	3.2

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170



682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD	USCS SYMBOL:	ML
PROJECT NO.:	484170	WATER CONTENT, %:	23.3
CUST. SAMPLE NO.:	63008	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-629	PLASTICITY INDEX:	NONPLASTIC
SPECIFIC GRAVITY:	3.0650 (MEASURED)		
USCS GROUP NAME:	SILT WITH SAND		

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	98.0
NO. 4	4.750	96.9
NO. 10	2.000	94.6
NO. 20	0.850	92.1
NO. 40	0.425	88.6
NO. 60	0.250	84.2
NO. 140	0.106	74.9
NO. 200	0.075	71.1

HYDROMETER ANALYSIS

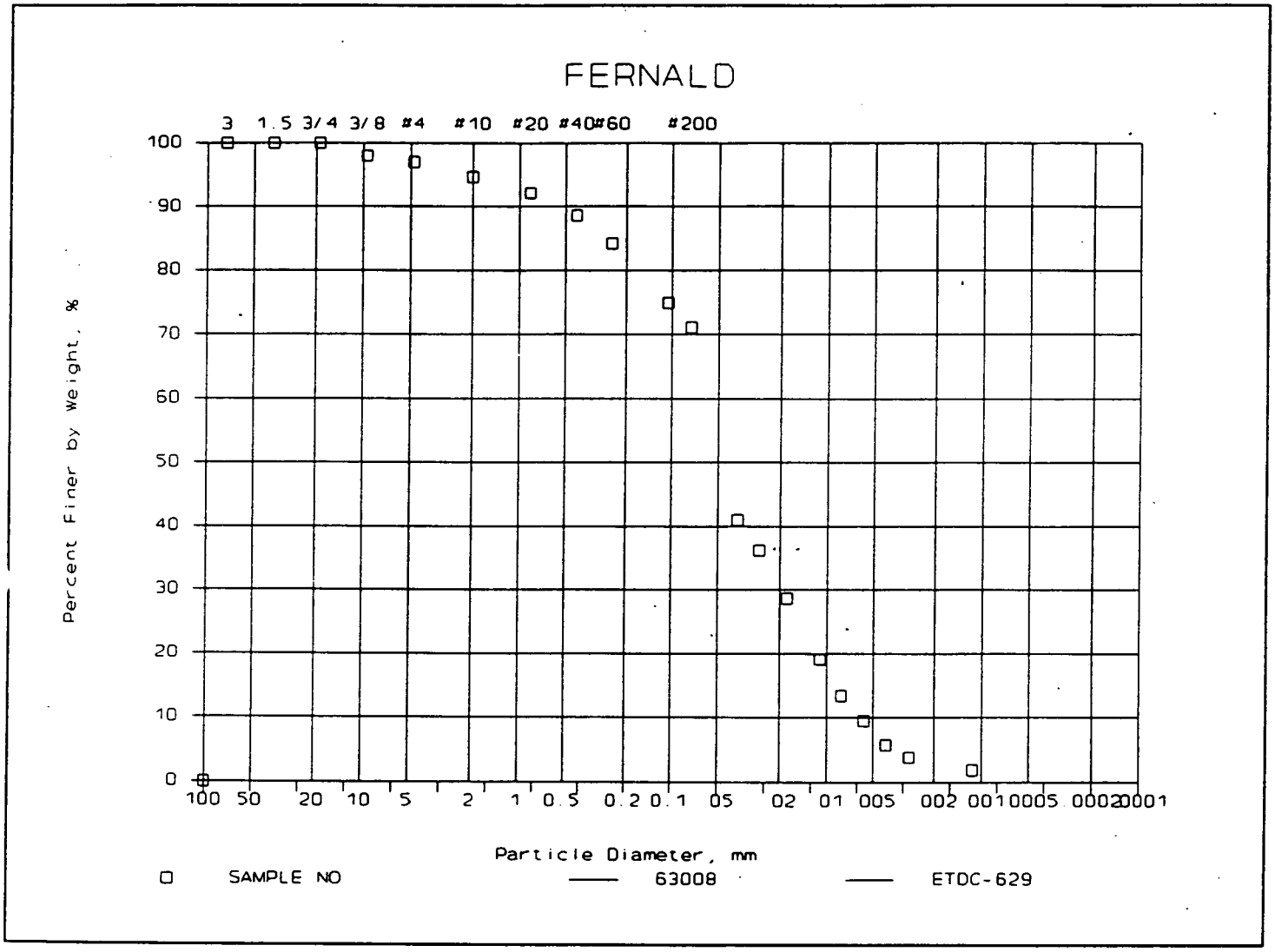
DIAMETER (mm)	PERCENT FINER (%)
0.0373	41.0
0.0272	36.3
0.0180	28.6
0.0110	19.1
0.0080	13.4
0.0057	9.5
0.0041	5.7
0.0029	3.8
0.0011	1.9

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170



682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD	USCS SYMBOL:	NOT REQUESTED
PROJECT NO.:	484170	WATER CONTENT, %:	20.3
CUST. SAMPLE NO.:	63033	LIQUID LIMIT:	NOT REQUESTED
ETDC SAMPLE NO.:	ETDC-630	PLASTICITY INDEX:	NOT REQUESTED
SPECIFIC GRAVITY:	3.0000 (ASSUMED)		

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	90.0
NO. 4	4.750	86.5
NO. 10	2.000	81.2
NO. 20	0.850	69.1
NO. 40	0.425	57.9
NO. 60	0.250	50.0
NO. 140	0.106	41.4
NO. 200	0.075	38.6

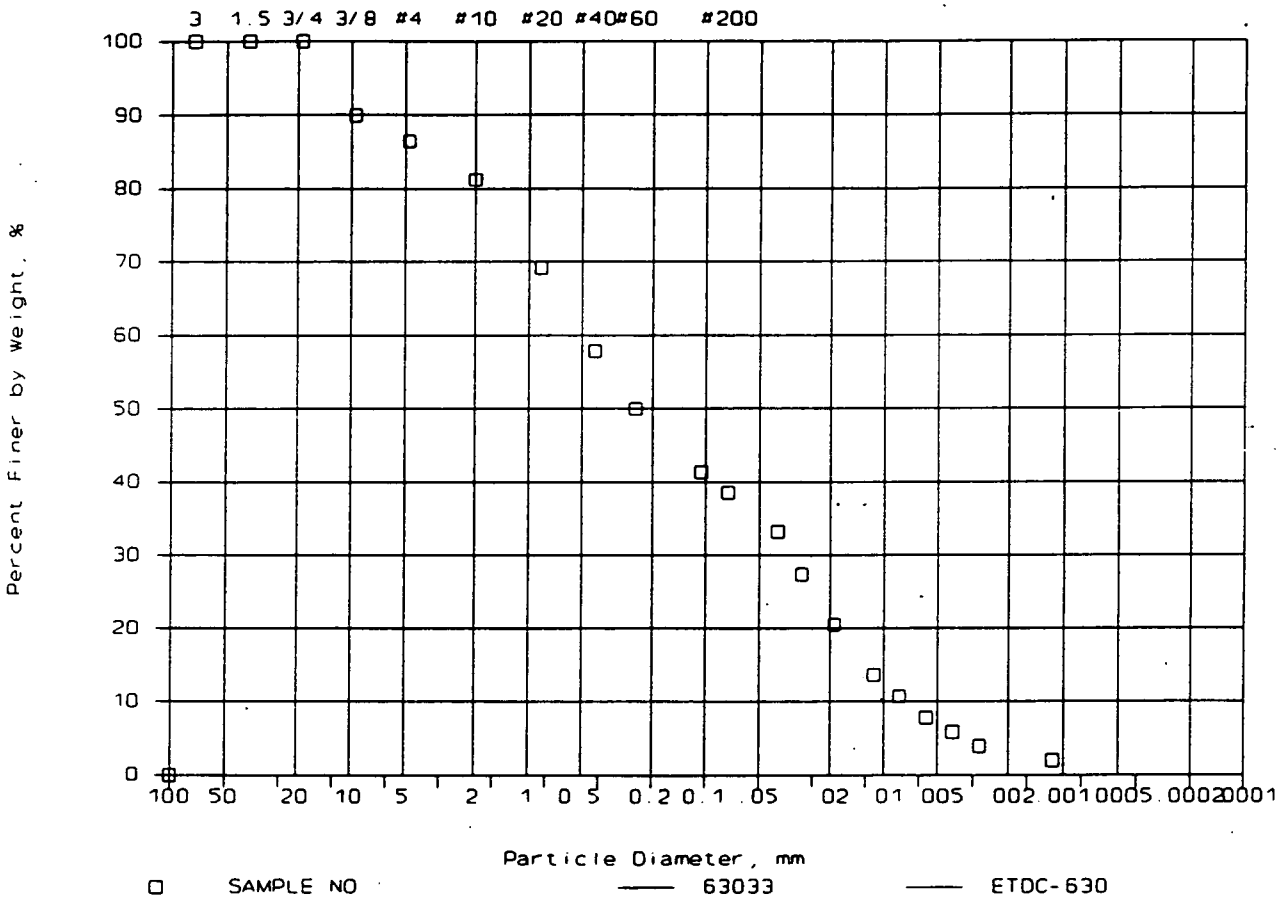
HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0394	33.2
0.0289	27.4
0.0190	20.5
0.0114	13.7
0.0081	10.7
0.0058	7.8
0.0041	5.9
0.0029	3.9
0.0011	2.0

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170



682-1-89

A.1.1.3

PIT 1
PIT MATERIAL
RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit 1
Pit Material Radiological Results

Well/Boring:	01-01				01-05				01-02				01-03			
Sample ID:	PS-01-002				PS-01-017				PS-01-034				PS-01-049			
Sample Date:	4/13/87				4/14/87				4/15/87				4/15/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CESIUM-137	<	0.5	PCI/G	UJ	<	0.4	PCI/G	UJ	<	0.2	PCI/G	U	<	1.0	PCI/G	UJ
NEPTUNIUM-237	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.3	PCI/G	U
PLUTONIUM-238	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
PLUTONIUM-239/240	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	4.0	PCI/G	UJ	<	3.0	PCI/G	UJ	<	2.0	PCI/G	UJ	<	2.0	PCI/G	UJ
STRONTIUM-90	<	0.4	PCI/G	UJ	<	0.5	PCI/G	U	<	0.3	PCI/G	UJ	<	0.6	PCI/G	UJ
TECHNETIUM-99	<	1.0	PCI/G	UJ	<	1.0	PCI/G	UJ	<	2.0	PCI/G	UJ		15	PCI/G	-
THORIUM-228		16	PCI/G	-		52	PCI/G	-		8.6	PCI/G	-		18	PCI/G	-
THORIUM-230		1980	PCI/G	-		3600	PCI/G	-		1240	PCI/G	-		326	PCI/G	-
THORIUM-232		17	PCI/G	-		55	PCI/G	-		7.7	PCI/G	-		17	PCI/G	-
URANIUM-234		429	PCI/G	-		244	PCI/G	-		488	PCI/G	-		1180	PCI/G	-
URANIUM-235		32	PCI/G	-		16	PCI/G	-		30	PCI/G	-		151	PCI/G	-
URANIUM-238		485	PCI/G	-		360	PCI/G	-		1370	PCI/G	-		6980	PCI/G	-

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052

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

5129

OU 053

5129

Well/Boring:	01-04
Sample ID:	PS-01-060
Sample Date:	4/16/87
Top Depth (ft):	0.0
Bottom Depth (ft):	12.0

Parameters	LQ	Result	Unit	VQ
CESIUM-137		1.1	PCI/G	-
NEPTUNIUM-237	<	0.1	PCI/G	UJ
PLUTONIUM-238	<	0.1	PCI/G	UJ
PLUTONIUM-239/240	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV
RADIUM-228			PCI/G	NV
RUTHENIUM-106	<	2.0	PCI/G	UJ
STRONTIUM-90	<	0.6	PCI/G	UJ
TECHNETIUM-99	<	2.0	PCI/G	UJ
THORIUM-228		6.1	PCI/G	-
THORIUM-230		376	PCI/G	-
THORIUM-232		11.4	PCI/G	-
URANIUM-234		451	PCI/G	-
URANIUM-235		51	PCI/G	-
URANIUM-238		558	PCI/G	-

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1767					1767					1767					1766			
Sample ID:		063017					063032					063033					063061			
Sample Date:		27-JUN-91					30-JUN-91					30-JUN-91					13-JUL-91			
Top Depth (ft):		6					12					0					7			
Bottom Depth (ft):		12					20.7					20.7					14			
CESIUM-137	U	.5	PCI/G	UJD		U	.8	PCI/G	UJD							U	.2	PCI/G	UJ	
GROSS ALPHA		10452	PCI/G	NV			14100	PCI/G	NV								6785	PCI/G	NV	
GROSS BETA		18403	PCI/G	NV			28700	PCI/G	NV								1544	PCI/G	NV	
PLUTONIUM-238	U	1	PCI/G	DU		U	.6	PCI/G	U							U	.6	PCI/G	U	
PLUTONIUM-239/240	U	1	PCI/G	DU		U	.6	PCI/G	U							U	.6	PCI/G	U	
RADIUM-226		20.9	PCI/G	J		U	1.3	PCI/G	UJD								99.6	PCI/G	J	
RADIUM-228		6.5	PCI/G	J		U	2.8	PCI/G	UJD								41	PCI/G	J	
RUTHENIUM-106	U	4	PCI/G	UJD		U	7	PCI/G	UJD							U	2.2	PCI/G	UDJ	
STRONTIUM-90		7.69	PCI/G	J			3.04	PCI/G	J								1.87	PCI/G	J	
TECHNETIUM-99	U	.9	PCI/G	UJ		U	.9	PCI/G	U								1.1	PCI/G	J	
THORIUM-228							1.17	PCI/G	R							U	710	PCI/G	UD	
THORIUM-230							166	PCI/G	R								5460	PCI/G	-	
THORIUM-232							2.79	PCI/G	R							U	300	PCI/G	UD	
THORIUM-TOTAL							25.2	UG/G	R							U	2800	UG/G	UD	
URANIUM-234																	830	PCI/G	J	
URANIUM-235																				
URANIUM-235/236							259	PCI/G	J								47.3	PCI/G	J	
URANIUM-238							16160	PCI/G	J								915	PCI/G	J	
URANIUM-TOTAL		41610	UG/G	G			48480	UG/G	G								2966	UG/G	J	
CESIUM-137											U	20	PCI/L	R	Y					
GROSS ALPHA												29.3	PCI/L	NV	Y					

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

051299

1991 RI/FS - Pit 1
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1766					1766					1765					1765			
Sample ID:		063071					063072					063100					063112			
Sample Date:		15-JUL-91					15-JUL-91					18-JUL-91					25-JUL-91			
Top Depth (ft):		14					0					7					14			
Bottom Depth (ft):		20.5					20.5					14					22			
CESIUM-137	U	.3	PCI/G	DU							U	.2	PCI/G	UJ		U	.2	PCI/G	UJ	
GROSS ALPHA		6693	PCI/G	NV								7083	PCI/G	NV			2696	PCI/G	NV	
GROSS BETA		1532	PCI/G	NV								1956	PCI/G	NV			1824	PCI/G	NV	
PLUTONIUM-238	U	.6	PCI/G	R							U	.6	PCI/G	U		U	.6	PCI/G	U	
PLUTONIUM-239/240	U	.6	PCI/G	U							U	.6	PCI/G	U		U	.6	PCI/G	U	
RADIUM-226		76.9	PCI/G	-								92.3	PCI/G	J			13.4	PCI/G	J	
RADIUM-228		37.2	PCI/G	-								31.2	PCI/G	J			4.02	PCI/G	J	
RUTHENIUM-106	U	2.4	PCI/G	DU							U	1.8	PCI/G	UJ		U	1.5	PCI/G	UJD	
STRONTIUM-90		1.3	PCI/G	-							U	.5	PCI/G	U			.55	PCI/G	J	
TECHNETIUM-99	U	.9	PCI/G	U							U	.9	PCI/G	U		U	.9	PCI/G	U	
THORIUM-228		131	PCI/G	-							U	610	PCI/G	U		U	790	PCI/G	DU	
THORIUM-230		4220	PCI/G	-								5270	PCI/G	-		U	490	PCI/G	DU	
THORIUM-232		131	PCI/G	-							U	420	PCI/G	U		U	490	PCI/G	DU	
THORIUM-TOTAL		1180	UG/G	-							U	3800	UG/G	U		U	4400	UG/G	DU	
URANIUM-234		441	PCI/G	-								423	PCI/G	-			600	PCI/G	-	
URANIUM-235																				
URANIUM-235/236		64	PCI/G	E								19.6	PCI/G	-			35.6	PCI/G	J	
URANIUM-238		623	PCI/G	C								445	PCI/G	-			1342	PCI/G	-	
URANIUM-TOTAL		3303	UG/G	G								2143	UG/G	GJ			3656	UG/G	JG	
CESIUM-137						U	20	PCI/L	UJ	Y										
GROSS ALPHA							8408	PCI/L	NV	Y										

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1767					1767					1767					1766			
Sample ID:		063017					063032					063033					063061			
Sample Date:		27-JUN-91					30-JUN-91					30-JUN-91					13-JUL-91			
Top Depth (ft):		6					12					0					7			
Bottom Depth (ft):		12					20.7					20.7					14			
GROSS BETA												66.3	PCI/L	NV	Y					
NEPTUNIUM-237											U	1	PCI/L	R	Y					
PLUTONIUM-238											U	1	PCI/L	R	Y					
PLUTONIUM-239/240											U	1	PCI/L	R	Y					
RADIUM-226																				
RADIUM-228																				
RUTHENIUM-106											U	150	PCI/L	R	Y					
STRONTIUM-90												7.29	PCI/L	J	Y					
TECHNETIUM-99												33.6	PCI/L	J	Y					
THORIUM-228																				
THORIUM-230																				
THORIUM-232																				
THORIUM-TOTAL																				
URANIUM-234												6.01	PCI/L	R	Y					
URANIUM-235/236											U	1	PCI/L	R	Y					
URANIUM-238												9.34	PCI/L	R	Y					
URANIUM-TOTAL												20.6	UG/L	K	Y					

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

5129

1991 RI/FS - Pit 1
Pit Material Radiological Results

Well/Boring:	1766				1766				1765				1765		
Sample ID:	063071				063072				063100				063112		
Sample Date:	15-JUL-91				15-JUL-91				18-JUL-91				25-JUL-91		
Top Depth (ft):	14				0				7				14		
Bottom Depth (ft):	20.5				20.5				14				22		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
GROSS BETA						3263	PCI/L	NV Y								
NEPTUNIUM-237					U	1	PCI/L	R Y								
PLUTONIUM-238					U	1	PCI/L	R Y								
PLUTONIUM-239/240					U	1	PCI/L	R Y								
RADIUM-226						83.5	PCI/L	- Y								
RADIUM-228						27.3	PCI/L	- Y								
RUTHENIUM-106					U	150	PCI/L	UJ Y								
STRONTIUM-90					U	5	PCI/L	UJ Y								
TECHNETIUM-99						37.1	PCI/L	J Y								
THORIUM-228																
THORIUM-230																
THORIUM-232																
THORIUM-TOTAL																
URANIUM-234						3990	PCI/L	- Y								
URANIUM-235/236						247	PCI/L	- Y								
URANIUM-238						4910	PCI/L	- Y								
URANIUM-TOTAL						14740	UG/L	K Y								

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

A.1.1.4

PIT 1
PIT MATERIAL
INORGANIC RESULTS

Characterization Investigation Study - Pit 1
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:	01-01				01-05				01-02				01-03			
Sample ID:	PS-01-001				PS-01-030				PS-01-032				PS-01-047			
Sample Date:	04/13/87				04/14/87				04/15/87				04/15/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0				12.0			
CYANIDE	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.7	MG/KG	UJ	U	0.7	MG/KG	UJ
ALUMINUM		3460	MG/KG	-		16600	MG/KG	-		6260	MG/KG	-		20200	MG/KG	-
ANTIMONY	N	1.2	MG/KG	UJ	N	1.6	MG/KG	UJ	N	1.6	MG/KG	UJ	N	2.4	MG/KG	UJ
ARSENIC		1.0	MG/KG	J		14	MG/KG	-		0.9	MG/KG	J		15	MG/KG	-
BARIUM	N	365	MG/KG	J	N	159	MG/KG	J	N	116	MG/KG	J	N	279	MG/KG	J
BERYLLIUM		1.0	MG/KG	-		1.0	MG/KG	J		0.5	MG/KG	J		2.2	MG/KG	-
CADMIUM		0.4	MG/KG	J		2.9	MG/KG	-		1.5	MG/KG	-		5.0	MG/KG	-
CALCIUM	*	6240	MG/KG	U	*	32300	MG/KG	U	*	192000	MG/KG	UJ	*	94400	MG/KG	U
CHROMIUM		6.4	MG/KG	-		25	MG/KG	-		11	MG/KG	-		46	MG/KG	-
COBALT	U	1.9	MG/KG	U		12	MG/KG	-		3.9	MG/KG	-		28	MG/KG	-
COPPER	U	20	MG/KG	U		30	MG/KG	U	U	21	MG/KG	U		161	MG/KG	U
CYANIDE	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.7	MG/KG	UJ	U	0.7	MG/KG	UJ
IRON		1830	MG/KG	-		12200	MG/KG	-		4040	MG/KG	-		19700	MG/KG	-
LEAD		16	MG/KG	U		32	MG/KG	U	U	5.0	MG/KG	U	U	90	MG/KG	U
MAGNESIUM	*	26500	MG/KG	UJ	*	28800	MG/KG	UJ	*	26900	MG/KG	UJ	*	37000	MG/KG	UJ
MANGANESE	EN*	1470	MG/KG	J	*EN	668	MG/KG	J	*EN	145	MG/KG	J	*EN	1610	MG/KG	J
MERCURY		0.3	MG/KG	-	U	0.1	MG/KG	U	U	0.2	MG/KG	U	U	0.1	MG/KG	U
NICKEL		9.2	MG/KG	-		34	MG/KG	-		13	MG/KG	-		65	MG/KG	-
OSMIUM																
POTASSIUM		2050	MG/KG	-	B	261	MG/KG	J		2560	MG/KG	-		165	MG/KG	J
SELENIUM	UN	0.4	MG/KG	UJ	UN	0.4	MG/KG	U	UN	0.4	MG/KG	UJ	UN	0.4	MG/KG	UJ
SILVER	N	2.3	MG/KG	J	UN	2.4	MG/KG	UJ	N	5.4	MG/KG	J	N	33	MG/KG	J

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

051429

059

Well/Boring:	01-04
Sample ID:	PS-01-058
Sample Date:	04/16/87
Top Depth (ft):	0.0
Bottom Depth (ft):	12.0

Parameters	LQ	Result	Unit	VQ
CYANIDE	U	0.6	MG/KG	UJ
ALUMINUM	*E	1700	MG/KG	J
ANTIMONY		0.4	MG/KG	J
ARSENIC		1.4	MG/KG	J
BARIUM	E	355	MG/KG	J
BERYLLIUM	U	0.2	MG/KG	U
CADMIUM	U	0.5	MG/KG	U
CALCIUM	E	4760	MG/KG	J
CHROMIUM		2.5	MG/KG	-
COBALT	U	2.3	MG/KG	U
COPPER		20	MG/KG	-
CYANIDE	U	0.6	MG/KG	UJ
IRON	*E	2050	MG/KG	J
LEAD		17	MG/KG	-
MAGNESIUM	E	7610	MG/KG	J
MANGANESE		2910	MG/KG	-
MERCURY	U	0.1	MG/KG	U
NICKEL		5.4	MG/KG	-
OSMIUM				
POTASSIUM		346	MG/KG	J
SELENIUM	U	0.4	MG/KG	U
SILVER	N	2.0	MG/KG	J

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U = Undetected
J = Estimated
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-5129

Characterization Investigation Study - Pit 1
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		01-01				01-05				01-02				01-03		
Sample ID:		PS-01-001				PS-01-030				PS-01-032				PS-01-047		
Sample Date:		04/13/87				04/14/87				04/15/87				04/15/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		12.0				12.0				12.0				12.0		
SODIUM		1370	MG/KG	-		689	MG/KG	-		3640	MG/KG	-		386	MG/KG	J
THALLIUM	U	0.3	MG/KG	U	U	0.3	MG/KG	U	U	0.2	MG/KG	U		0.3	MG/KG	J
TIN																
VANADIUM		14	MG/KG	-		50	MG/KG	J		17	MG/KG	J		67	MG/KG	-
ZINC	U	0.9	MG/KG	UJ		32	MG/KG	-	U	1.0	MG/KG	U		58	MG/KG	J

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Well/Boring:	01-04
Sample ID:	PS-01-058
Sample Date:	04/16/87
Top Depth (ft):	0.0
Bottom Depth (ft):	12.0

Parameters	LQ	Result	Unit	VQ
SODIUM	U	76	MG/KG	U
THALLIUM	U	0.3	MG/KG	U
TIN				
VANADIUM		7.7	MG/KG	J
ZINC	*	10	MG/KG	J

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1767					1767					1767					1767			
Sample ID:		063004					063008					063017					063032			
Sample Date:		25-JUN-91					25-JUN-91					27-JUN-91					30-JUN-91			
Top Depth (ft):		1.5					3.5					6					12			
Bottom Depth (ft):		2					6					12					20.7			
% Moisture		9	% MOISTU	NV			23.3	% MOISTU	NV			27	% MOISTU	NV						
% Solids												72.8	% SOLIDS	NV			82.3	% SOLIDS	NV	
Ammonia																				
Bromide																				
Chloride																				
Cyanide											U	.14	MG/KG	U		U	.12	MG/KG	UJ	
Fluoride																				
Nitrate																				
Oil and Grease																				
Phosphate																				
Phosphorus																				
Sulfate																				
Sulfide																				
Total Kjeldahl Nitrogen																				
Total Organic Carbon																				
Total Organic Nitrogen																				
pH																				
Aluminum												4690	MG/KG	-			2930	MG/KG	-	
Antimony											N	83.8	MG/KG	J			125	MG/KG	J	
Arsenic											BWN	1	MG/KG	J		UN	.41	MG/KG	UJ	
Barium												75.8	MG/KG	-		B	14.5	MG/KG	-	

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TCLP - Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1767				1766				1766				1766		
Sample ID:	063033				063048				063050				063054		
Sample Date:	30-JUN-91				13-JUL-91				13-JUL-91				13-JUL-91		
Top Depth (ft):	0				3.5				4.5				8.5		
Bottom Depth (ft):	20.7				4				7				11		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
% Moisture					12	% MOISTU	NV	19.3	% MOISTU	NV	15.9	% MOISTU	NV		
% Solids															
Ammonia															
Bromide															
Chloride															
Cyanide															
Fluoride															
Nitrate															
Oil and Grease															
Phosphate															
Phosphorus															
Sulfate															
Sulfide															
Total Kjeldahl Nitrogen															
Total Organic Carbon		33600	MG/KG	-											
Total Organic Nitrogen															
pH															
Aluminum															
Antimony															
Arsenic															
Barium															

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063061				063062				063064				063071		
Sample Date:	13-JUL-91				14-JUL-91				14-JUL-91				15-JUL-91		
Top Depth (ft):	7				14				17				14		
Bottom Depth (ft):	14				16.5				17.5				20.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
% Moisture		16	% MOISTU	NV		21.8	% MOISTU	NV		25	% MOISTU	NV		24	% MOISTU	NV
% Solids		83.3	% SOLIDS	NV										75.8	% SOLIDS	NV
Ammonia																
Bromide																
Chloride																
Cyanide	B	.15	MG/KG	J									B	.34	MG/KG	J
Fluoride																
Nitrate																
Oil and Grease																
Phosphate																
Phosphorus																
Sulfate																
Sulfide	U	.5	MG/KG	U												
Total Kjeldahl Nitrogen																
Total Organic Carbon																
Total Organic Nitrogen																
pH																
Aluminum		772	MG/KG	-										991	MG/KG	-
Antimony	B	8.5	MG/KG	-									BN	11.7	MG/KG	J
Arsenic	BN	1.3	MG/KG	J									B	1.7	MG/KG	-
Barium		400	MG/KG	-										405	MG/KG	-

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1766				1765				1765				1765		
Sample ID:	063072				063088				063089				063098		
Sample Date:	15-JUL-91				17-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):	0				4				4.5				13		
Bottom Depth (ft):	20.5				4.5				7				13.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
% Moisture					19	% MOISTU	NV	23.6	% MOISTU	NV	18	% MOISTU	NV
% Solids													
Ammonia													
Bromide													
Chloride													
Cyanide													
Fluoride													
Nitrate													
Oil and Grease													
Phosphate													
Phosphorus													
Sulfate													
Sulfide													
Total Kjeldahl Nitrogen													
Total Organic Carbon		6881	MG/KG	-									
Total Organic Nitrogen													
pH													
Aluminum													
Antimony													
Arsenic													
Barium													

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063101				063107				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				14				19				14		
Bottom Depth (ft):	14				16.5				19.5				22		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
% Moisture		18	% MOISTU	NV		20.9	% MOISTU	NV		41	% MOISTU	NV				
% Solids														64.2	% SOLIDS	NV
Ammonia														48	MG/KG	J
Bromide																
Chloride																
Cyanide	U	.13	MG/KG	UJ									B	.73	MG/KG	-
Fluoride																
Nitrate																
Oil and Grease																
Phosphate																
Phosphorus														6.73	MG/KG	J
Sulfate																
Sulfide													U	1	MG/KG	U
Total Kjeldahl Nitrogen														47.7	MG/KG	J
Total Organic Carbon																
Total Organic Nitrogen													U	1	MG/KG	UJ
pH																
Aluminum		2600	MG/KG	-									*	2200	MG/KG	J
Antimony	B	8.5	MG/KG	-										56.7	MG/KG	J
Arsenic	BN	1.7	MG/KG	J									BWN	1.5	MG/KG	J
Barium		179	MG/KG	-										439	MG/KG	-

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TCLP - Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
% Moisture					
% Solids					
Ammonia					
Bromide					
Chloride					
Cyanide					
Fluoride					
Nitrate					
Oil and Grease					
Phosphate					
Phosphorus					
Sulfate					
Sulfide					
Total Kjeldahl Nitrogen					
Total Organic Carbon		27600	MG/KG	-	
Total Organic Nitrogen					
pH					
Aluminum					
Antimony					
Arsenic					
Barium					

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1767				1767				1767				1767		
Sample ID:	063004				063008				063017				063032		
Sample Date:	25-JUN-91				25-JUN-91				27-JUN-91				30-JUN-91		
Top Depth (ft):	1.5				3.5				6				12		
Bottom Depth (ft):	2				6				12				20.7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Beryllium										7.6	MG/KG	-		12.5	MG/KG	-
Boron									N	293	MG/KG	J	N	824	MG/KG	J
Cadmium										13.8	MG/KG	-		18.1	MG/KG	J
Calcium									*	113000	MG/KG	J		134000	MG/KG	-
Chromium									*	220	MG/KG	-	E	347	MG/KG	J
Cobalt										37.4	MG/KG	-		46.8	MG/KG	J
Copper										79	MG/KG	-	EN	113	MG/KG	J
Iron									*	2510	MG/KG	-	E	635	MG/KG	J
Lead									S*	10.3	MG/KG	J	*	3.42	MG/KG	-
Magnesium										102000	MG/KG	-	*	129000	MG/KG	-
Manganese									N*	159	MG/KG	J	E	64.3	MG/KG	J
Mercury									U	.13	MG/KG	U	U	.12	MG/KG	UJ
Molybdenum										26.3	MG/KG	-	N	32.7	MG/KG	J
Nickel										57.4	MG/KG	-		54.9	MG/KG	J
Potassium										1210	MG/KG	-	B	108	MG/KG	-
Selenium									UN	.42	MG/KG	UJ	UWN	.41	MG/KG	UJ
Silicon									E	3250	MG/KG	J	E	7190	MG/KG	J
Silver										117	MG/KG	-	E	189	MG/KG	J
Sodium									B	608	MG/KG	U	B	880	MG/KG	-
Thallium									UWN	.42	MG/KG	UJ	UN	.41	MG/KG	UJ
Tin									U	54.4	MG/KG	U	U	37.4	MG/KG	U

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063061				063062				063064				063071		
Sample Date:	13-JUL-91				14-JUL-91				14-JUL-91				15-JUL-91		
Top Depth (ft):	7				14				17				14		
Bottom Depth (ft):	14				16.5				17.5				20.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Beryllium		1.2	MG/KG	-										2.2	MG/KG	-
Boron	N	43.3	MG/KG	J												
Cadmium	B	.83	MG/KG	-									N	1.9	MG/KG	J
Calcium		9410	MG/KG	-										1520	MG/KG	-
Chromium	E	14.8	MG/KG	-										15.4	MG/KG	-
Cobalt	B	5.2	MG/KG	-									B	4.9	MG/KG	-
Copper	EN	14.6	MG/KG	J										22.7	MG/KG	-
Iron	E	520	MG/KG	J										658	MG/KG	-
Lead	*	9.8	MG/KG	-									*	53.4	MG/KG	-
Magnesium	*	3240	MG/KG	-										12300	MG/KG	-
Manganese	E	793	MG/KG	J										3720	MG/KG	-
Mercury	U	.09	MG/KG	U									U	.08	MG/KG	UJ
Molybdenum	N	4.7	MG/KG	J										7.1	MG/KG	-
Nickel		13.2	MG/KG	-										23.1	MG/KG	-
Potassium	B	450	MG/KG	-									B	545	MG/KG	-
Selenium	UN	.38	MG/KG	UJ									U	.41	MG/KG	U
Silicon	E	1870	MG/KG	J												
Silver	E	7.4	MG/KG	J										5.3	MG/KG	-
Sodium	B	349	MG/KG	-									B	939	MG/KG	-
Thallium	UN	.38	MG/KG	UJ									U	.41	MG/KG	U
Tin	U	40.7	MG/KG	U												

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1765				1765				1765				1765		
Sample ID:		063100				063101				063107				063112		
Sample Date:		18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):		7				14				19				14		
Bottom Depth (ft):		14				16.5				19.5				22		
Beryllium		1.1	MG/KG	-									N	1.5	MG/KG	J
Boron	UN	20.8	MG/KG	UJ									N	1650	MG/KG	J
Cadmium	B	.88	MG/KG	-										18.5	MG/KG	J
Calcium		7780	MG/KG	-										197000	MG/KG	J
Chromium	E	11.9	MG/KG	J									N	45.8	MG/KG	J
Cobalt	B	4.9	MG/KG	-									B	10.6	MG/KG	J
Copper	EN	12.9	MG/KG	J									N*	37.1	MG/KG	J
Iron	E	2610	MG/KG	J									E*	992	MG/KG	J
Lead	*	8.5	MG/KG	-									SN*	9.3	MG/KG	R
Magnesium	*	4560	MG/KG	-										119000	MG/KG	-
Manganese	E	327	MG/KG	J									E	134	MG/KG	J
Mercury	U	.09	MG/KG	U									U	.11	MG/KG	U
Molybdenum	N	5.1	MG/KG	J										18.9	MG/KG	J
Nickel		14.4	MG/KG	-										19	MG/KG	-
Potassium	B	719	MG/KG	-									B	515	MG/KG	-
Selenium	UN	.41	MG/KG	UJ									UN	.62	MG/KG	UJ
Silicon	E	1460	MG/KG	J									*	4410	MG/KG	J
Silver	E	5.1	MG/KG	J										32.3	MG/KG	-
Sodium	B	203	MG/KG	-										1930	MG/KG	J
Thallium	BN	.46	MG/KG	J									U	.62	MG/KG	U
Tin	U	41.6	MG/KG	U									U	51.5	MG/KG	U

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1767				1767				1767				1767					
Sample ID:	063004				063008				063017				063032					
Sample Date:	25-JUN-91				25-JUN-91				27-JUN-91				30-JUN-91					
Top Depth (ft):	1.5				3.5				6				12					
Bottom Depth (ft):	2				6				12				20.7					
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Vanadium												94.3	MG/KG	-		E	142	MG/KG	J	
Zinc												24.9	MG/KG	-		N	17.5	MG/KG	J	
% Moisture																				
Total Organic Carbon																				
Aluminum																				
Antimony																				
Arsenic																				
Barium																				
Beryllium																				
Boron																				
Cadmium																				
Calcium																				
Chromium																				
Cobalt																				
Copper																				
Iron																				
Lead																				
Magnesium																				
Manganese																				
Mercury																				
Molybdenum																				

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Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1767				1766				1766				1766		
Sample ID:	063033				063048				063050				063054		
Sample Date:	30-JUN-91				13-JUL-91				13-JUL-91				13-JUL-91		
Top Depth (ft):	0				3.5				4.5				8.5		
Bottom Depth (ft):	20.7				4				7				11		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Vanadium																
Zinc																
% Moisture																
Total Organic Carbon																
Aluminum		375	UG/L	-	Y											
Antimony	B	37.6	UG/L	-	Y											
Arsenic	U	2	UG/L	U	Y											
Barium		1270	UG/L	-	Y											
Beryllium	U	2	UG/L	U	Y											
Boron																
Cadmium	U	4	UG/L	U	Y											
Calcium		917000	UG/L	-	Y											
Chromium		88.2	UG/L	-	Y											
Cobalt	U	10	UG/L	UJ	Y											
Copper		38.2	UG/L	-	Y											
Iron	B	66	UG/L	-	Y											
Lead		3.2	UG/L	UJ	Y											
Magnesium	B	502	UG/L	-	Y											
Manganese	BE	12.3	UG/L	-	Y											
Mercury	U	.2	UG/L	U	Y											
Molybdenum		13.1	UG/L	R	Y											

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VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
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J - Estimated
- - Detected
NV - Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063061				063062				063064				063071		
Sample Date:	13-JUL-91				14-JUL-91				14-JUL-91				15-JUL-91		
Top Depth (ft):	7				14				17				14		
Bottom Depth (ft):	14				16.5				17.5				20.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Vanadium	BE	8.8	MG/KG	-							13.6	MG/KG	-		
Zinc	BN	1.3	MG/KG	J							6.8	MG/KG	-		
% Moisture															
Total Organic Carbon															
Aluminum															
Antimony															
Arsenic															
Barium															
Beryllium															
Boron															
Cadmium															
Calcium															
Chromium															
Cobalt															
Copper															
Iron															
Lead															
Magnesium															
Manganese															
Mercury															
Molybdenum															

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1766					1765					1765					1765			
Sample ID:		063072					063088					063089					063098			
Sample Date:		15-JUL-91					17-JUL-91					17-JUL-91					18-JUL-91			
Top Depth (ft):		0					4					4.5					13			
Bottom Depth (ft):		20.5					4.5					7					13.5			
Vanadium																				
Zinc																				
% Moisture																				
Total Organic Carbon																				
Aluminum		3380	UG/L	-	Y															
Antimony	B	50.3	UG/L	-	Y															
Arsenic	B	2.5	UG/L	-	Y															
Barium		1580	UG/L	-	Y															
Beryllium		10.6	UG/L	-	Y															
Boron																				
Cadmium	B	4.6	UG/L	-	Y															
Calcium		56300	UG/L	-	Y															
Chromium		123	UG/L	-	Y															
Cobalt	B	32.4	UG/L	-	Y															
Copper		71	UG/L	-	Y															
Iron	B	65.3	UG/L	-	Y															
Lead		9.2	UG/L	-	Y															
Magnesium		19200	UG/L	-	Y															
Manganese	E	4030	UG/L	J	Y															
Mercury	U	.2	UG/L	U	Y															
Molybdenum		18.9	UG/L	-	Y															

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1765				1765				1765				1765	
Sample ID:	063100				063101				063107				063112	
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91	
Top Depth (ft):	7				14				19				14	
Bottom Depth (ft):	14				16.5				19.5				22	
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP	
Vanadium	E	12.1	MG/KG	J							30.9	MG/KG	J	
Zinc	N	7.8	MG/KG	J							15.3	MG/KG	J	
% Moisture														
Total Organic Carbon														
Aluminum														
Antimony														
Arsenic														
Barium														
Beryllium														
Boron														
Cadmium														
Calcium														
Chromium														
Cobalt														
Copper														
Iron														
Lead														
Magnesium														
Manganese														
Mercury														
Molybdenum														

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Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
Vanadium					
Zinc					
% Moisture					
Total Organic Carbon					
Aluminum		872	UG/L	-	Y
Antimony		86.4	UG/L	-	Y
Arsenic	U	2	UG/L	U	Y
Barium		1900	UG/L	-	Y
Beryllium	B	2.6	UG/L	-	Y
Boron					
Cadmium		10.8	UG/L	-	Y
Calcium		806000	UG/L	-	Y
Chromium		92.8	UG/L	-	Y
Cobalt	B	10.7	UG/L	-	Y
Copper		41.5	UG/L	-	Y
Iron	B	67.4	UG/L	-	Y
Lead		3.5	UG/L	U	Y
Magnesium		69300	UG/L	-	Y
Manganese	E	196	UG/L	J	Y
Mercury	U	.2	UG/L	U	Y
Molybdenum		34.2	UG/L	-	Y

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:		1767					1766				1766				1766			
Sample ID:		063033					063048				063050				063054			
Sample Date:		30-JUN-91					13-JUL-91				13-JUL-91				13-JUL-91			
Top Depth (ft):		0					3.5				4.5				8.5			
Bottom Depth (ft):		20.7					4				7				11			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Nickel	U	20	UG/L	UJ	Y															
Potassium	B	1250	UG/L	-	Y															
Selenium	UWN	2	UG/L	UJ	Y															
Silicon																				
Silver		85.7	UG/L	-	Y															
Sodium																				
Thallium	U	2	UG/L	U	Y															
Vanadium	B	43	UG/L	-	Y															
Zinc	B	10.4	UG/L	U	Y															

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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1766					1765					1765					1765			
Sample ID:		063072					063088					063089					063098			
Sample Date:		15-JUL-91					17-JUL-91					17-JUL-91					18-JUL-91			
Top Depth (ft):		0					4					4.5					13			
Bottom Depth (ft):		20.5					4.5					7					13.5			
Nickel		194	UG/L	-	Y															
Potassium		6330	UG/L	-	Y															
Selenium	BWN	2.1	UG/L	J	Y															
Silicon																				
Silver		68.4	UG/L	-	Y															
Sodium																				
Thallium	U	2	UG/L	U	Y															
Vanadium	B	49.6	UG/L	-	Y															
Zinc		144	UG/L	-	Y															

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 1
Pit Material Inorganic Results

Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
Nickel		47.9	UG/L	-	Y
Potassium		7140	UG/L	-	Y
Selenium	UWN	2	UG/L	UJ	Y
Silicon					
Silver		87.7	UG/L	-	Y
Sodium					
Thallium	U	2	UG/L	U	Y
Vanadium		50.4	UG/L	-	Y
Zinc		26.8	UG/L	-	Y

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A.1.1.5

PIT 1
PIT MATERIAL
ORGANIC RESULTS

Characterization Investigation Study - Pit 1
Pit Material Organic Results

Well/Boring:	01-01					01-01				01-05				01-02		
Sample ID:	PS-01-001					PS-01-015				PS-01-030				PS-01-032		
Sample Date:	04/13/87					04/13/87				04/14/87				04/15/87		
Top Depth (ft):	0.0					0.0				0.0				0.0		
Bottom Depth (ft):	12.0					12.0				12.0				12.0		
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ TCLP
4,4-DDD	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
4,4-DDE	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
4,4-DDT	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
ALDRIN	U	310	UG/KG	U	U	390	UG/KG	U	U	50	UG/KG	U	U	350	UG/KG	U
ALPHA-BHC	U	310	UG/KG	U	U	390	UG/KG	U	U	50	UG/KG	U	U	350	UG/KG	U
AROCLOR 1016	U	3100	UG/KG	U	U	3900	UG/KG	U	U	500	UG/KG	U	U	3500	UG/KG	U
AROCLOR 1221	U	3100	UG/KG	U	U	3900	UG/KG	U	U	500	UG/KG	U	U	3500	UG/KG	U
AROCLOR 1232	U	3100	UG/KG	U	U	3900	UG/KG	U	U	500	UG/KG	U	U	3500	UG/KG	U
AROCLOR 1242	U	3100	UG/KG	U	U	3900	UG/KG	U	U	500	UG/KG	U	U	3500	UG/KG	U
AROCLOR 1248		9700	UG/KG	-		11500	UG/KG	-		1700	UG/KG	-		10000	UG/KG	-
AROCLOR 1254	U	6200	UG/KG	U		7800	UG/KG	-	U	1000	UG/KG	U		7000	UG/KG	-
AROCLOR 1260	U	310	UG/KG	U	U	390	UG/KG	U	U	50	UG/KG	U	U	350	UG/KG	U
BETA-BHC	U	3100	UG/KG	U	U	3900	UG/KG	U	U	500	UG/KG	U	U	3500	UG/KG	U
CHLORDANE	U	310	UG/KG	U	U	390	UG/KG	U	U	50	UG/KG	U	U	350	UG/KG	U
DELTA-BHC	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
DIELDRIN	U	310	UG/KG	U	U	390	UG/KG	U	U	50	UG/KG	U	U	350	UG/KG	U
ENDOSULFAN I	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
ENDOSULFAN II	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
ENDOSULFAN SULFATE	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
ENDRIN	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
ENDRIN KETONE	U	620	UG/KG	U	U	780	UG/KG	U	U	100	UG/KG	U	U	700	UG/KG	U
GAMMA-BHC(Lindane)	U	310	UG/KG	U	U	390	UG/KG	U	U	50	UG/KG	U	U	350	UG/KG	U

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Submittal Date: 08-Feb-94
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Well/Boring:	01-03				01-04			
Sample ID:	PS-01-047				PS-01-058			
Sample Date:	04/15/87				04/16/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	96	UG/KG	U	U	390	UG/KG	U
4,4-DDE	U	96	UG/KG	U	U	390	UG/KG	U
4,4-DDT	U	96	UG/KG	U		1600	UG/KG	J
ALDRIN	U	48	UG/KG	U	U	200	UG/KG	U
ALPHA-BHC	U	48	UG/KG	U	U	200	UG/KG	U
AROCLOR 1016	U	480	UG/KG	U	U	2000	UG/KG	U
AROCLOR 1221	U	480	UG/KG	U	U	2000	UG/KG	U
AROCLOR 1232	U	480	UG/KG	U	U	2000	UG/KG	U
AROCLOR 1242	U	480	UG/KG	U	U	2000	UG/KG	U
AROCLOR 1248	U	480	UG/KG	U		3500	UG/KG	-
AROCLOR 1254	J	820	UG/KG	J	J	720	UG/KG	J
AROCLOR 1260	U	960	UG/KG	U	U	3900	UG/KG	U
BETA-BHC	U	48	UG/KG	U	U	200	UG/KG	U
CHLORDANE	U	480	UG/KG	U	U	2000	UG/KG	U
DELTA-BHC	U	48	UG/KG	U	U	200	UG/KG	U
DIELDRIN	U	96	UG/KG	U	U	390	UG/KG	U
ENDOSULFAN I	U	48	UG/KG	U	U	200	UG/KG	U
ENDOSULFAN II	U	96	UG/KG	U	U	390	UG/KG	U
ENDOSULFAN SULFATE	U	96	UG/KG	U	U	390	UG/KG	U
ENDRIN	U	96	UG/KG	U	U	390	UG/KG	U
ENDRIN KETONE	U	96	UG/KG	U	U	390	UG/KG	U
GAMMA-BHC(Lindane)	U	48	UG/KG	U	U	200	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 1
Pit Material Organic Results

Well/Boring:	01-01				01-01				01-05				01-02			
Sample ID:	PS-01-001				PS-01-015				PS-01-030				PS-01-032			
Sample Date:	04/13/87				04/13/87				04/14/87				04/15/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	310	UG/KG	U	U	390	UG/KG	U	U	50	UG/KG	U	U	350	UG/KG	U
HEPTACHLOR EPOXIDE	U	310	UG/KG	U	U	390	UG/KG	U	U	50	UG/KG	U	U	350	UG/KG	U
METHOXYCHLOR	U	3100	UG/KG	U	U	3900	UG/KG	U	U	500	UG/KG	U	U	3500	UG/KG	U
TOXAPHENE	U	6200	UG/KG	U	U	7800	UG/KG	U	U	1000	UG/KG	U	U	7000	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
1,2-DICHLOROBENZENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
1,3-DICHLOROBENZENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
1,4-DICHLOROBENZENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	2400	UG/KG	UJ	U	2300	UG/KG	UJ	U	2400	UG/KG	UJ	U	2700	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
2,4-DICHLOROPHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
2,4-DIMETHYLPHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
2,4-DINITROPHENOL	U	2400	UG/KG	U	U	2300	UG/KG	U	U	2400	UG/KG	U	U	2700	UG/KG	U
2,4-DINITROTOLUENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
2,6-DINITROTOLUENE	U	470	UG/KG	UJ	U	450	UG/KG	UJ	U	470	UG/KG	UJ	U	540	UG/KG	UJ
2-CHLORONAPHTHALENE	U	470	UG/KG	UJ	U	450	UG/KG	UJ	U	470	UG/KG	UJ	U	540	UG/KG	UJ
2-CHLOROPHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
2-METHYLNAPHTHALENE	J	220	UG/KG	J	J	240	UG/KG	J	U	470	UG/KG	U	U	540	UG/KG	U
2-METHYLPHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
2-NITROANILINE	U	2400	UG/KG	U	U	2300	UG/KG	U	U	2400	UG/KG	U	U	2700	UG/KG	U
2-NITROPHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
3,3-DICHLOROBENZIDINE	J	130	UG/KG	J	U	900	UG/KG	UJ	U	940	UG/KG	UJ	U	1100	UG/KG	UJ

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Submittal Date: 08-Feb-94
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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		01-03				01-04		
Sample ID:		PS-01-047				PS-01-058		
Sample Date:		04/15/87				04/16/87		
Top Depth (ft):		0.0				0.0		
Bottom Depth (ft):		12.0				12.0		
HEPTACHLOR	U	48	UG/KG	U	U	200	UG/KG	U
HEPTACHLOR EPOXIDE	U	48	UG/KG	U	U	200	UG/KG	U
METHOXYCHLOR	U	480	UG/KG	U	U	2000	UG/KG	U
TOXAPHENE	U	960	UG/KG	U	U	3900	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	440	UG/KG	U	U	450	UG/KG	U
1,2-DICHLOROBENZENE	U	440	UG/KG	U	U	450	UG/KG	U
1,3-DICHLOROBENZENE	U	440	UG/KG	U	U	450	UG/KG	U
1,4-DICHLOROBENZENE	U	440	UG/KG	U	U	450	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	2200	UG/KG	UJ	U	2300	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	440	UG/KG	U	U	450	UG/KG	U
2,4-DICHLOROPHENOL	U	440	UG/KG	U	U	450	UG/KG	U
2,4-DIMETHYLPHENOL	U	440	UG/KG	U	U	450	UG/KG	U
2,4-DINITROPHENOL	U	2200	UG/KG	U	U	2300	UG/KG	UJ
2,4-DINITROTOLUENE	U	440	UG/KG	U	U	450	UG/KG	U
2,6-DINITROTOLUENE	U	440	UG/KG	UJ	U	450	UG/KG	UJ
2-CHLORONAPHTHALENE	U	440	UG/KG	UJ	U	450	UG/KG	U
2-CHLOROPHENOL	U	440	UG/KG	U	U	450	UG/KG	U
2-METHYLNAPHTHALENE	U	440	UG/KG	U	U	450	UG/KG	U
2-METHYLPHENOL	U	440	UG/KG	U	U	450	UG/KG	U
2-NITROANILINE	U	2200	UG/KG	U	U	2300	UG/KG	U
2-NITROPHENOL	U	440	UG/KG	U	U	450	UG/KG	U
3,3-DICHLOROBENZIDINE	U	880	UG/KG	UJ	U	900	UG/KG	UJ

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Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 1
Pit Material Organic Results

Well/Boring:	01-01				01-01				01-05				01-02			
Sample ID:	PS-01-001				PS-01-015				PS-01-030				PS-01-032			
Sample Date:	04/13/87				04/13/87				04/14/87				04/15/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	2400	UG/KG	UJ	U	2300	UG/KG	UJ	U	2400	UG/KG	UJ	U	2700	UG/KG	UJ
4,6-DINITRO-2-METHYLPHENOL	U	2400	UG/KG	U	U	2300	UG/KG	U	U	2400	UG/KG	U	U	2700	UG/KG	U
4-BROMOPHENYL PHENYL ETHER	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
4-CHLOROANILINE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	470	UG/KG	UJ	U	450	UG/KG	UJ	U	470	UG/KG	UJ	U	540	UG/KG	UJ
4-METHYLPHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
4-NITROANILINE	U	2400	UG/KG	UJ	U	2300	UG/KG	UJ	U	2400	UG/KG	UJ	U	2700	UG/KG	UJ
4-NITROPHENOL	U	2400	UG/KG	U	U	2300	UG/KG	U	U	2400	UG/KG	U	U	2700	UG/KG	U
ACENAPHTHENE	U	470	UG/KG	UJ	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	UJ
ACENAPHTHYLENE	U	470	UG/KG	U	U	450	UG/KG	UJ	U	470	UG/KG	UJ	U	540	UG/KG	U
ANTHRACENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
BENZO(A)ANTHRACENE	J	84	UG/KG	J	J	100	UG/KG	J	U	470	UG/KG	U	U	540	UG/KG	U
BENZO(A)PYRENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
BENZO(B)FLUORANTHENE	J	300	UG/KG	J	J	330	UG/KG	J	U	470	UG/KG	U	J	55	UG/KG	J
BENZO(G,H,I)PERYLENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
BENZO(K)FLUORANTHENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
BENZOIC ACID	U	2400	UG/KG	R	U	2300	UG/KG	R	U	2400	UG/KG	R	U	2700	UG/KG	R
BENZYL ALCOHOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
BIS(2-CHLOROISOPROPYL)ETHER	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U

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Well/Boring:	01-03				01-04			
Sample ID:	PS-01-047				PS-01-058			
Sample Date:	04/15/87				04/16/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	2200	UG/KG	UJ	U	2300	UG/KG	UJ
4,6-DINITRO-2-METHYLPHENOL	U	2200	UG/KG	U	U	2300	UG/KG	U
4-BROMOPHENYL PHENYL ETHER	U	440	UG/KG	U	U	450	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	440	UG/KG	U	U	450	UG/KG	U
4-CHLOROANILINE	U	440	UG/KG	U	U	450	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	440	UG/KG	UJ	U	450	UG/KG	UJ
4-METHYLPHENOL	U	440	UG/KG	U	U	450	UG/KG	U
4-NITROANILINE	U	2200	UG/KG	UJ	U	2300	UG/KG	UJ
4-NITROPHENOL	U	2200	UG/KG	U	U	2300	UG/KG	U
ACENAPHTHENE	U	440	UG/KG	UJ	U	450	UG/KG	U
ACENAPHTHYLENE	U	440	UG/KG	U	U	450	UG/KG	UJ
ANTHRACENE	J	74	UG/KG	J	U	450	UG/KG	U
BENZO(A)ANTHRACENE	U	180	UG/KG	UJ	U	450	UG/KG	U
BENZO(A)PYRENE	J	140	UG/KG	J	U	450	UG/KG	U
BENZO(B)FLUORANTHENE	J	270	UG/KG	J	J	94	UG/KG	J
BENZO(G,H,I)PERYLENE	U	440	UG/KG	U	U	450	UG/KG	U
BENZO(K)FLUORANTHENE	J	140	UG/KG	J	U	450	UG/KG	U
BENZOIC ACID	U	2200	UG/KG	R	U	2300	UG/KG	U
BENZYL ALCOHOL	U	440	UG/KG	U	U	450	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	440	UG/KG	U	U	450	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	440	UG/KG	U	U	450	UG/KG	U
BIS(2-CHLOROISOPROPYL)ETHER	U	440	UG/KG	U	U	450	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 1
Pit Material Organic Results

Well/Boring:	01-01					01-01					01-05					01-02				
Sample ID:	PS-01-001					PS-01-015					PS-01-030					PS-01-032				
Sample Date:	04/13/87					04/13/87					04/14/87					04/15/87				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	12.0					12.0					12.0					12.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL)PHTHALATE		1700	UG/KG	-			1800	UG/KG	-		U	470	UG/KG	U		U	540	UG/KG	U	
BIS(CHLOROMETHYL)ETHER																				
BUTYL BENZYL PHTHALATE	U	470	UG/KG	U		U	450	UG/KG	U		U	470	UG/KG	U		U	540	UG/KG	U	
C-10 UNK HYDROCARBON																				
CHRYSENE		510	UG/KG	-			540	UG/KG	-		U	470	UG/KG	U		J	64	UG/KG	J	
DI-N-BUTYLPHTHALATE	U	470	UG/KG	U		U	450	UG/KG	U		J	470	UG/KG	UJ		J	540	UG/KG	U	
DI-N-OCTYLPHTHALATE	U	470	UG/KG	U		U	450	UG/KG	U		J	250	UG/KG	J		J	210	UG/KG	J	
DIBENZO(A,H)ANTHRACENE	U	470	UG/KG	U		U	450	UG/KG	U		U	470	UG/KG	U		U	540	UG/KG	U	
DIBENZOFURAN	U	470	UG/KG	UJ		U	450	UG/KG	UJ		U	470	UG/KG	UJ		U	540	UG/KG	UJ	
DIETHYL PHTHALATE	U	470	UG/KG	UJ		U	450	UG/KG	UJ		U	470	UG/KG	UJ		U	540	UG/KG	UJ	
DIMETHYL PHTHALATE	U	470	UG/KG	UJ		U	450	UG/KG	UJ		U	470	UG/KG	UJ		U	540	UG/KG	UJ	
DIPROPYLAMINE																				
FLUORANTHENE	J	110	UG/KG	J		J	120	UG/KG	J		J	140	UG/KG	J		J	140	UG/KG	J	
FLUORENE	U	470	UG/KG	UJ		U	450	UG/KG	UJ		U	470	UG/KG	UJ		U	540	UG/KG	UJ	
HEXACHLOROBENZENE	U	470	UG/KG	UJ		U	450	UG/KG	UJ		U	470	UG/KG	UJ		U	540	UG/KG	UJ	
HEXACHLOROBUTADIENE	U	470	UG/KG	U		U	450	UG/KG	U		U	470	UG/KG	U		U	540	UG/KG	U	
HEXACHLOROCYCLOPENTADIENE	U	470	UG/KG	UJ		U	450	UG/KG	UJ		U	470	UG/KG	UJ		U	540	UG/KG	UJ	
HEXACHLOROETHANE	U	470	UG/KG	U		U	450	UG/KG	U		U	470	UG/KG	U		U	540	UG/KG	U	
INDENO(1,2,3-CD)PYRENE	U	470	UG/KG	UJ		U	450	UG/KG	UJ		U	470	UG/KG	UJ		U	540	UG/KG	UJ	
ISOPHORONE	U	470	UG/KG	U		U	450	UG/KG	U		U	470	UG/KG	U		U	540	UG/KG	U	
N-NITROSO-DI-N-PROPYLAMINE	U	470	UG/KG	U		U	450	UG/KG	U		U	470	UG/KG	U		U	540	UG/KG	U	
N-NITROSODIPHENYLAMINE	U	470	UG/KG	U		U	450	UG/KG	U		U	470	UG/KG	U		U	540	UG/KG	U	

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Well/Boring:	01-03				01-04			
Sample ID:	PS-01-047				PS-01-058			
Sample Date:	04/15/87				04/16/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	440	UG/KG	U	J	450	UG/KG	U
BIS(CHLOROMETHYL)ETHER								
BUTYL BENZYL PHTHALATE	U	440	UG/KG	U	U	450	UG/KG	U
C-10 UNK HYDROCARBON								
CHRYSENE	J	250	UG/KG	J	J	170	UG/KG	J
DI-N-BUTYLPHTHALATE	J	440	UG/KG	U	J	450	UG/KG	U
DI-N-OCTYLPHTHALATE		830	UG/KG	-	J	150	UG/KG	J
DIBENZO(A,H)ANTHRACENE	U	440	UG/KG	U	U	450	UG/KG	U
DIBENZOFURAN	U	440	UG/KG	UJ	U	450	UG/KG	U
DIETHYL PHTHALATE	U	440	UG/KG	UJ	U	450	UG/KG	UJ
DIMETHYL PHTHALATE	U	440	UG/KG	UJ	U	450	UG/KG	UJ
DIPROPYLAMINE					U	450	UG/KG	U
FLUORANTHENE	J	430	UG/KG	J	J	380	UG/KG	J
FLUORENE	U	440	UG/KG	UJ	U	450	UG/KG	UJ
HEXACHLOROBENZENE	U	440	UG/KG	UJ	U	450	UG/KG	UJ
HEXACHLOROBUTADIENE	U	440	UG/KG	U	U	450	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	440	UG/KG	UJ	U	450	UG/KG	UJ
HEXACHLOROETHANE	U	440	UG/KG	U	U	450	UG/KG	U
INDENO(1,2,3-CD)PYRENE	U	440	UG/KG	UJ	U	450	UG/KG	U
ISOPHORONE	U	440	UG/KG	U	U	450	UG/KG	U
N-NITROSO-DI-N-PROPYLAMINE	U	440	UG/KG	U	U	450	UG/KG	U
N-NITROSODIPHENYLAMINE	U	440	UG/KG	U	U	450	UG/KG	U

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FEMP OUIRI 5 USEPA

Characterization Investigation Study - Pit 1
Pit Material Organic Results

Well/Boring:	01-01				01-01				01-05				01-02			
Sample ID:	PS-01-001				PS-01-015				PS-01-030				PS-01-032			
Sample Date:	04/13/87				04/13/87				04/14/87				04/15/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	J	54	UG/KG	J	J	67	UG/KG	J	U	470	UG/KG	U	U	540	UG/KG	U
NITROBENZENE	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
PENTACHLOROPHENOL	U	2400	UG/KG	U	U	2300	UG/KG	U	U	2400	UG/KG	U	U	2700	UG/KG	U
PHENANTHRENE		2300	UG/KG	-		2400	UG/KG	-	J	120	UG/KG	J	J	97	UG/KG	J
PHENOL	U	470	UG/KG	U	U	450	UG/KG	U	U	470	UG/KG	U	U	540	UG/KG	U
PYRENE	J	240	UG/KG	J	J	280	UG/KG	J	J	72	UG/KG	J	J	84	UG/KG	J
1,1,1-TRICHLOROETHANE	U	220	UG/KG	R					J	120	UG/KG	J	U	240	UG/KG	U
1,1,2,2-TETRACHLOROETHANE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	U
1,1,2-TRICHLOROETHANE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
1,1-DICHLOROETHANE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
1,1-DICHLOROETHENE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
1,2-DICHLOROETHANE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	U
1,2-DICHLOROETHENE	U	220	UG/KG	U					U	220	UG/KG	U	U	240	UG/KG	U
1,2-DICHLOROPROPANE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
1,2-DICHLOROPROPENE																
1,3-DICHLOROPROPENE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
1,3-DICHLOROPROPYLENE																
2-BUTANONE		1900	UG/KG	R						2100	UG/KG	-		2200	UG/KG	J
2-CHLOROETHYL VINYL ETHER	U	430	UG/KG	R					U	430	UG/KG	U	U	480	UG/KG	UJ
2-HEXANONE	U	430	UG/KG	R					U	430	UG/KG	UJ	U	480	UG/KG	UJ
4-METHYL-2-PENTANONE	U	430	UG/KG	R					U	430	UG/KG	UJ	U	480	UG/KG	UJ
4-METHYLPHENOLPROPHYL ETHER																

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Well/Boring:	01-03				01-04			
Sample ID:	PS-01-047				PS-01-058			
Sample Date:	04/15/87				04/16/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	U	440	UG/KG	U	U	450	UG/KG	U
NITROBENZENE	U	440	UG/KG	U	U	450	UG/KG	U
PENTACHLOROPHENOL	U	2200	UG/KG	U	U	2300	UG/KG	U
PHENANTHRENE	J	290	UG/KG	J		770	UG/KG	-
PHENOL	U	440	UG/KG	U	U	450	UG/KG	U
PYRENE	J	360	UG/KG	J	J	76	UG/KG	J
1,1,1-TRICHLOROETHANE	U	200	UG/KG	U	U	210	UG/KG	U
1,1,2,2-TETRACHLOROETHANE	U	200	UG/KG	U	U	210	UG/KG	U
1,1,2-TRICHLOROETHANE	U	200	UG/KG	U	U	210	UG/KG	U
1,1-DICHLOROETHANE	U	200	UG/KG	U	U	210	UG/KG	U
1,1-DICHLOROETHENE	U	200	UG/KG	U	U	210	UG/KG	U
1,2-DICHLOROETHANE	U	200	UG/KG	U	U	210	UG/KG	U
1,2-DICHLOROETHENE	U	200	UG/KG	U	U	210	UG/KG	U
1,2-DICHLOROPROPANE	U	200	UG/KG	U	U	210	UG/KG	U
1,2-DICHLOROPROPENE								
1,3-DICHLOROPROPENE	U	200	UG/KG	U	U	210	UG/KG	U
1,3-DICHLOROPROPYLENE								
2-BUTANONE		3800	UG/KG	-		2400	UG/KG	J
2-CHLOROETHYL VINYL ETHER	U	390	UG/KG	U	U	420	UG/KG	U
2-HEXANONE	U	390	UG/KG	U	U	420	UG/KG	U
4-METHYL-2-PENTANONE	U	390	UG/KG	U	U	420	UG/KG	UJ
4-METHYLPHENOLPROPHYL ETHER								

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Submittal Date: 08-Feb-94
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FEMP OU1R1-5 USEPA

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Characterization Investigation Study - Pit 1
Pit Material Organic Results

Well/Boring:	01-01				01-01				01-05				01-02			
Sample ID:	PS-01-001				PS-01-015				PS-01-030				PS-01-032			
Sample Date:	04/13/87				04/13/87				04/14/87				04/15/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	BJ	250	UG/KG	R					BJ	430	UG/KG	U	BJ	430	UG/KG	U
ACROLEIN																
ACRYLONITRILE																
BENZENE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
BROMODICHLOROMETHANE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
BROMOFORM	U	220	UG/KG	R					U	220	UG/KG	UJ	U	240	UG/KG	UJ
BROMOMETHANE	U	430	UG/KG	R					U	430	UG/KG	UJ	U	480	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER																
CARBON DISULFIDE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
CARBON TETRACHLORIDE	U	220	UG/KG	R					U	220	UG/KG	UJ	U	240	UG/KG	UJ
CHLOROBENZENE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
CHLOROETHANE	U	430	UG/KG	R					U	430	UG/KG	U	U	480	UG/KG	UJ
CHLOROFORM	J	150	UG/KG	R					J	67	UG/KG	J	U	240	UG/KG	UJ
CHLOROMETHANE	U	430	UG/KG	R					U	430	UG/KG	U	U	480	UG/KG	UJ
DIBROMOCHLOROMETHANE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
DICHLORODIFLUOROMETHANE																
ETHYLBENZENE	U	220	UG/KG	R					J	55	UG/KG	J	U	240	UG/KG	UJ
METHYLENE CHLORIDE	J	140	UG/KG	R					J	140	UG/KG	J	J	215	UG/KG	U
STYRENE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
TETRACHLOROETHENE	J	75	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
TOLUENE	J	47	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
TOTAL XYLENE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ

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Well/Boring:	01-03				01-04			
Sample ID:	PS-01-047				PS-01-058			
Sample Date:	04/15/87				04/16/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	BJ	320	UG/KG	J	J	58	UG/KG	UJ
ACROLEIN								
ACRYLONITRILE								
BENZENE	U	200	UG/KG	U	U	210	UG/KG	U
BROMODICHLOROMETHANE	U	200	UG/KG	U	U	210	UG/KG	U
BROMOFORM	U	200	UG/KG	U	U	210	UG/KG	U
BROMOMETHANE	U	390	UG/KG	U	U	420	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER								
CARBON DISULPIDE	U	200	UG/KG	U	U	210	UG/KG	U
CARBON TETRACHLORIDE	U	200	UG/KG	U	U	210	UG/KG	U
CHLOROBENZENE	U	200	UG/KG	U	U	210	UG/KG	U
CHLOROETHANE	U	390	UG/KG	U	U	420	UG/KG	U
CHLOROFORM	U	200	UG/KG	U		210	UG/KG	-
CHLOROMETHANE	U	390	UG/KG	U	U	420	UG/KG	UJ
DIBROMOCHLOROMETHANE	U	200	UG/KG	U	U	210	UG/KG	U
DICHLORODIFLUOROMETHANE								
ETHYLBENZENE	J	40	UG/KG	J	U	210	UG/KG	U
METHYLENE CHLORIDE	J	180	UG/KG	J	B	360	UG/KG	UJ
STYRENE	U	200	UG/KG	U	U	210	UG/KG	U
TETRACHLOROETHENE	U	200	UG/KG	U	U	210	UG/KG	U
TOLUENE	J	40	UG/KG	J	J	96	UG/KG	J
TOTAL XYLENE	U	200	UG/KG	U	U	210	UG/KG	U

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		01-01				01-01				01-05				01-02		
Sample ID:		PS-01-001				PS-01-015				PS-01-030				PS-01-032		
Sample Date:		04/13/87				04/13/87				04/14/87				04/15/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		12.0				12.0				12.0				12.0		
TRANS-1,2-DICHLOROETHENE	U	220	UG/KG	R					U	220	UG/KG	U	U	240	UG/KG	UJ
TRICHLOROETHENE	U	220	UG/KG	U					U	220	UG/KG	U	U	240	UG/KG	UJ
VINYL ACETATE	U	430	UG/KG	R					U	430	UG/KG	UJ	U	480	UG/KG	UJ
VINYL CHLORIDE	U	430	UG/KG	R					U	430	UG/KG	UJ	U	480	UG/KG	UJ

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
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Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		01-03				01-04			
Sample ID:		PS-01-047				PS-01-058			
Sample Date:		04/15/87				04/16/87			
Top Depth (ft):		0.0				0.0			
Bottom Depth (ft):		12.0				12.0			
TRANS-1,2-DICHLOROETHENE	U	200	UG/KG	U	U	210	UG/KG	U	
TRICHLOROETHENE	U	200	UG/KG	U	U	210	UG/KG	U	
VINYL ACETATE	U	390	UG/KG	U	U	420	UG/KG	UJ	
VINYL CHLORIDE	U	390	UG/KG	U	U	420	UG/KG	U	

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1767		
Sample ID:	063004				063015				063017				063021		
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91		
Top Depth (ft):	1.5				11				6				15.5		
Bottom Depth (ft):	2				11.5				12				16		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2,3,4,6,7,8-HpCDD										.049	UG/KG	-				
1,2,3,4,6,7,8-HpCDF										.051	UG/KG	J				
1,2,3,4,7,8,9-Heptachlorodiben									U	.025	UG/KG	U				
1,2,3,4,7,8-Hexachlorodibenzo-									U	.13	UG/KG	U				
1,2,3,4,7,8-Hexachlorodibenzof									U	.099	UG/KG	U				
1,2,3,6,7,8-Hexachlorodibenzo-									U	.11	UG/KG	U				
1,2,3,6,7,8-Hexachlorodibenzof									U	.094	UG/KG	U				
1,2,3,7,8,9-Hexachlorodibenzo-									U	.055	UG/KG	U				
1,2,3,7,8,9-Hexachlorodibenzof									U	.12	UG/KG	U				
1,2,3,7,8-Pentachlorodibenzo-p									U	.25	UG/KG	U				
1,2,3,7,8-Pentachlorodibenzofu										.11	UG/KG	J				
2,3,4,6,7,8-Hexachlorodibenzof									U	.12	UG/KG	U				
2,3,4,7,8-Pentachlorodibenzofu									U	.11	UG/KG	U				
2,3,7,8-TCDD									U	.5	UG/KG	U				
2,3,7,8-TCDF										.59	UG/KG	-				
Heptachlorodibenzo-p-dioxin										.049	UG/KG	J				
Heptachlorodibenzofuran										.12	UG/KG	-				
Hexachlorodibenzo-p-dioxin										.15	UG/KG	J				
Hexachlorodibenzofuran										.056	UG/KG	J				
Octachlorodibenzo-p-dioxin										.081	UG/KG	-				
Octachlorodibenzofuran									U	.098	UG/KG	U				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1767				1767				1767				1766		
Sample ID:		063024				063032				063033				063048		
Sample Date:		28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):		17				12				0				3.5		
Bottom Depth (ft):		17.5				20.7				20.7				4		
1,2,3,4,6,7,8-HpCDD					U	.017	UG/KG	U								
1,2,3,4,6,7,8-HpCDF					U	.064	UG/KG	U								
1,2,3,4,7,8,9-Heptachlorodiben					U	.082	UG/KG	U								
1,2,3,4,7,8-Hexachlorodibenzo-					U	.089	UG/KG	U								
1,2,3,4,7,8-Hexachlorodibenzof					U	.051	UG/KG	U								
1,2,3,6,7,8-Hexachlorodibenzo-					U	.071	UG/KG	U								
1,2,3,6,7,8-Hexachlorodibenzof					U	.048	UG/KG	U								
1,2,3,7,8,9-Hexachlorodibenzo-					U	.073	UG/KG	U								
1,2,3,7,8,9-Hexachlorodibenzof					U	.059	UG/KG	U								
1,2,3,7,8-Pentachlorodibenzo-p					U	.5	UG/KG	U								
1,2,3,7,8-Pentachlorodibenzofu					U	.053	UG/KG	U								
2,3,4,6,7,8-Hexachlorodibenzof					U	.059	UG/KG	U								
2,3,4,7,8-Pentachlorodibenzofu					U	.052	UG/KG	U								
2,3,7,8-TCDD					U	.068	UG/KG	U								
2,3,7,8-TCDF					U	.22	UG/KG	U								
Heptachlorodibenzo-p-dioxin					U	.017	UG/KG	U								
Heptachlorodibenzofuran					U	.072	UG/KG	U								
Hexachlorodibenzo-p-dioxin					U	.33	UG/KG	U								
Hexachlorodibenzofuran					U	.054	UG/KG	U								
Octachlorodibenzo-p-dioxin					U	.012	UG/KG	U								
Octachlorodibenzofuran					U	.015	UG/KG	U								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2,3,4,6,7,8-HpCDD						.44	UG/KG	J								
1,2,3,4,6,7,8-HpCDF						.48	UG/KG	J								
1,2,3,4,7,8,9-Heptachlorodiben					U	.17	UG/KG	UJ								
1,2,3,4,7,8-Hexachlorodibenzo-					U	.14	UG/KG	UJ								
1,2,3,4,7,8-Hexachlorodibenzof						.4	UG/KG	J								
1,2,3,6,7,8-Hexachlorodibenzo-						.28	UG/KG	J								
1,2,3,6,7,8-Hexachlorodibenzof						.11	UG/KG	J								
1,2,3,7,8,9-Hexachlorodibenzo-						.18	UG/KG	J								
1,2,3,7,8,9-Hexachlorodibenzof					U	.16	UG/KG	UJ								
1,2,3,7,8-Pentachlorodibenzo-p					U	.41	UG/KG	UJ								
1,2,3,7,8-Pentachlorodibenzofu						.34	UG/KG	J								
2,3,4,6,7,8-Hexachlorodibenzof						.17	UG/KG	J								
2,3,4,7,8-Pentachlorodibenzofu						.37	UG/KG	J								
2,3,7,8-TCDD					U	.39	UG/KG	UJ								
2,3,7,8-TCDF						1.8	UG/KG	J								
Heptachlorodibenzo-p-dioxin						.84	UG/KG	J								
Heptachlorodibenzofuran						.95	UG/KG	J								
Hexachlorodibenzo-p-dioxin						1.8	UG/KG	J								
Hexachlorodibenzofuran						.89	UG/KG	J								
Octachlorodibenzo-p-dioxin						.52	UG/KG	J								
Octachlorodibenzofuran						.32	UG/KG	J								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:		1766			1766			1765			1765		
Sample ID:		063071			063072			063088			063098		
Sample Date:		15-JUL-91			15-JUL-91			17-JUL-91			18-JUL-91		
Top Depth (ft):		14			0			4			13		
Bottom Depth (ft):		20.5			20.5			4.5			13.5		
1,2,3,4,6,7,8-HpCDD		1.2	UG/KG	J									
1,2,3,4,6,7,8-HpCDF		1.2	UG/KG	J									
1,2,3,4,7,8,9-Heptachlorodiben	U	.35	UG/KG	UJ									
1,2,3,4,7,8-Hexachlorodibenzo-	U	.042	UG/KG	UJ									
1,2,3,4,7,8-Hexachlorodibenzof		.76	UG/KG	J									
1,2,3,6,7,8-Hexachlorodibenzo-		.77	UG/KG	J									
1,2,3,6,7,8-Hexachlorodibenzof		.26	UG/KG	J									
1,2,3,7,8,9-Hexachlorodibenzo-		.53	UG/KG	J									
1,2,3,7,8,9-Hexachlorodibenzof	U	.3	UG/KG	UJ									
1,2,3,7,8-Pentachlorodibenzo-p	U	.2	UG/KG	UJ									
1,2,3,7,8-Pentachlorodibenzofu		.41	UG/KG	J									
2,3,4,6,7,8-Hexachlorodibenzof		.37	UG/KG	J									
2,3,4,7,8-Pentachlorodibenzofu		.51	UG/KG	J									
2,3,7,8-TCDD	U	.37	UG/KG	UJ									
2,3,7,8-TCDF		2	UG/KG	J									
Heptachlorodibenzo-p-dioxin		2.3	UG/KG	J									
Heptachlorodibenzofuran		2.7	UG/KG	J									
Hexachlorodibenzo-p-dioxin		4.9	UG/KG	J									
Hexachlorodibenzofuran		2.8	UG/KG	J									
Octachlorodibenzo-p-dioxin		.74	UG/KG	J									
Octachlorodibenzofuran		.76	UG/KG	J									

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063107				063108				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				19				19.5				14		
Bottom Depth (ft):	14				19.5				20				22		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
1,2,3,4,6,7,8-HpCDD		.57	UG/KG	J											
1,2,3,4,6,7,8-HpCDF		.66	UG/KG	-											
1,2,3,4,7,8,9-Heptachlorodiben	U	.18	UG/KG	U							.11	UG/KG	J		
1,2,3,4,7,8-Hexachlorodibenzo-	U	.086	UG/KG	U							.093	UG/KG	J		
1,2,3,4,7,8-Hexachlorodibenzof		.83	UG/KG	-						U	.023	UG/KG	U		
1,2,3,6,7,8-Hexachlorodibenzo-		.45	UG/KG	J						U	.025	UG/KG	U		
1,2,3,6,7,8-Hexachlorodibenzof		.29	UG/KG	J						U	.2	UG/KG	U		
1,2,3,7,8,9-Hexachlorodibenzo-		.27	UG/KG	J							.091	UG/KG	J		
1,2,3,7,8,9-Hexachlorodibenzof	U	.38	UG/KG	U						U	.19	UG/KG	U		
1,2,3,7,8-Pentachlorodibenzo-p	U	.47	UG/KG	U						U	.021	UG/KG	U		
1,2,3,7,8-Pentachlorodibenzofu		1.2	UG/KG	-						U	.23	UG/KG	U		
2,3,4,6,7,8-Hexachlorodibenzof		.41	UG/KG	J						U	.14	UG/KG	U		
2,3,4,7,8-Pentachlorodibenzofu		1.2	UG/KG	-							.14	UG/KG	J		
2,3,7,8-TCDD	U	.29	UG/KG	U						U	.23	UG/KG	U		
2,3,7,8-TCDF		14	UG/KG	J							.18	UG/KG	-		
Heptachlorodibenzo-p-dioxin		1	UG/KG	-						U	.12	UG/KG	U		
Heptachlorodibenzofuran		1.4	UG/KG	-							1.2	UG/KG	-		
Hexachlorodibenzo-p-dioxin		2.6	UG/KG	J							.21	UG/KG	J		
Hexachlorodibenzofuran		2.9	UG/KG	J							.22	UG/KG	J		
Octachlorodibenzo-p-dioxin		.38	UG/KG	J							.39	UG/KG	J		
Octachlorodibenzofuran		.36	UG/KG	UJ						U	.21	UG/KG	U		
											.07	UG/KG	J		
											.065	UG/KG	J		

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1767				1767				1767				1767		
Sample ID:		063004				063015				063017				063021		
Sample Date:		25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91		
Top Depth (ft):		1.5				11				6				15.5		
Bottom Depth (ft):		2				11.5				12				16		
Pentachlorodibenzo-p-dioxin									U	.25	UG/KG	U				
Pentachlorodibenzofuran										.32	UG/KG	-				
Tetrachlorodibenzo-p-dioxin									U	.59	UG/KG	U				
Tetrachlorodibenzofuran										3	UG/KG	-				
2,4,5-T									U	53	UG/KG	U				
2,4,5-TP (Silvex)									U	49	UG/KG	U				
2,4-D									U	320	UG/KG	U				
Dinoseb									U	19	UG/KG	UJ				
Sulfotepp									U	100	UG/KG	U				
Azinphosmethyl																
Demeton																
Diazinon																
Dimethoate									U	100	UG/KG	U				
Disulfoton									U	100	UG/KG	U				
Ethion																
Famphur									U	100	UG/KG	U				
Malathion																
Parathion, ethyl									U	100	UG/KG	U				
Parathion, methyl									U	100	UG/KG	U				
Tetraethylpyrophosphate									U	400	UG/KG	U				
Thionazin									U	100	UG/KG	U				

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1766		
Sample ID:	063024				063032				063033				063048		
Sample Date:	28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):	17				12				0				3.5		
Bottom Depth (ft):	17.5				20.7				20.7				4		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin					U	.5	UG/KG	U								
Pentachlorodibenzofuran					U	.052	UG/KG	U								
Tetrachlorodibenzo-p-dioxin					U	.27	UG/KG	U								
Tetrachlorodibenzofuran						.1	UG/KG	-								
2,4,5-T					U	47	UG/KG	U								
2,4,5-TP (Silvex)					U	44	UG/KG	U								
2,4-D					U	290	UG/KG	U								
Dinoseb					U	17	UG/KG	U								
Sulfotepp					U	100	UG/KG	U								
Azinphosmethyl																
Demeton																
Diazinon																
Dimethoate					U	100	UG/KG	U								
Disulfoton					U	100	UG/KG	U								
Ethion																
Famphur					U	100	UG/KG	U								
Malathion																
Parathion, ethyl					U	100	UG/KG	U								
Parathion, methyl					U	100	UG/KG	U								
Tetraethylpyrophosphate					U	400	UG/KG	U								
Thionazin					U	100	UG/KG	U								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1766				1766				1766				1766		
Sample ID:		063060				063061				063064				063065		
Sample Date:		13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):		13.5				7				17				17.5		
Bottom Depth (ft):		14				14				17.5				18		
Pentachlorodibenzo-p-dioxin					U	.41	UG/KG	UJ								
Pentachlorodibenzofuran						1.6	UG/KG	J								
Tetrachlorodibenzo-p-dioxin					U	.18	UG/KG	UJ								
Tetrachlorodibenzofuran						7.9	UG/KG	J								
2,4,5-T					U	47	UG/KG	U								
2,4,5-TP (Silvex)					U	43	UG/KG	U								
2,4-D					U	240	UG/KG	U								
Dinoseb	U	850	UG/KG	UJ	U	17	UG/KG	U								
Sulfotepp	U	420	UG/KG	UJ	U	100	UG/KG	UJ								
Azinphosmethyl																
Demeton																
Diazinon																
Dimethoate					U	100	UG/KG	UJ								
Disulfoton					U	100	UG/KG	UJ								
Ethion																
Famphur					U	100	UG/KG	UJ								
Malathion																
Parathion, ethyl					U	100	UG/KG	UJ								
Parathion, methyl					U	100	UG/KG	UJ								
Tetraethylpyrophosphate					U	400	UG/KG	UJ								
Thionazin					U	100	UG/KG	UJ								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1765				1765		
Sample ID:	063071				063072				063088				063098		
Sample Date:	15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):	14				0				4				13		
Bottom Depth (ft):	20.5				20.5				4.5				13.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin	U	.2	UG/KG	UJ									
Pentachlorodibenzofuran		3	UG/KG	J									
Tetrachlorodibenzo-p-dioxin	U	.17	UG/KG	UJ									
Tetrachlorodibenzofuran		11.7	UG/KG	J									
2,4,5-T													
2,4,5-TP (Silvex)													
2,4-D													
Dinoseb											3300	UG/KG	R
Sulfotepp											1600	UG/KG	UJ
Azinphosmethyl													
Demeton													
Diazinon													
Dimethoate													
Disulfoton													
Ethion													
Famphur													
Malathion													
Parathion, ethyl													
Parathion, methyl													
Tetraethylpyrophosphate													
Thionazin													

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063107				063108				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				19				19.5				14		
Bottom Depth (ft):	14				19.5				20				22		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Pentachlorodibenzo-p-dioxin	U	.47	UG/KG	U							U	.14	UG/KG	U	
Pentachlorodibenzofuran		7.9	UG/KG	J								.54	UG/KG	J	
Tetrachlorodibenzo-p-dioxin	U	.091	UG/KG	U							U	.26	UG/KG	U	
Tetrachlorodibenzofuran		35	UG/KG	-								3.4	UG/KG	J	
2,4,5-T	U	48	UG/KG	U							U	67	UG/KG	U	
2,4,5-TP (Silvex)	U	45	UG/KG	U							U	64	UG/KG	U	
2,4-D	U	250	UG/KG	U							U	340	UG/KG	U	
Dinoseb	U	17	UG/KG	U							U	24	UG/KG	U	
Sulfotepp	U	100	UG/KG	U							U	100	UG/KG	UJ	
Azinphosmethyl											U	1000	UG/KG	U	
Demeton											U	200	UG/KG	U	
Diazinon											U	100	UG/KG	U	
Dimethoate	U	100	UG/KG	U							U	100	UG/KG	U	
Disulfoton	U	100	UG/KG	U							U	100	UG/KG	U	
Ethion											U	100	UG/KG	U	
Famphur	U	100	UG/KG	U							U	100	UG/KG	U	
Malathion											U	100	UG/KG	U	
Parathion, ethyl	U	100	UG/KG	U							U	100	UG/KG	U	
Parathion, methyl	U	100	UG/KG	U							U	100	UG/KG	U	
Tetraethylpyrophosphate	U	400	UG/KG	U							U	400	UG/KG	U	
Thionazin	U	100	UG/KG	U							U	100	UG/KG	U	

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1767		
Sample ID:	063004				063015				063017				063021		
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91		
Top Depth (ft):	1.5				11				6				15.5		
Bottom Depth (ft):	2				11.5				12				16		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
4,4-DDD							U	22	UG/KG	U					
4,4-DDE							U	22	UG/KG	U					
4,4-DDT							U	22	UG/KG	U					
Aldrin							U	11	UG/KG	U					
Aroclor-1016							U	110	UG/KG	U					
Aroclor-1221							U	110	UG/KG	U					
Aroclor-1232							U	110	UG/KG	U					
Aroclor-1242							U	110	UG/KG	U					
Aroclor-1248							DJX	150	UG/KG	J					
Aroclor-1254							DX	480	UG/KG	J					
Aroclor-1260							U	220	UG/KG	U					
Dieldrin							U	22	UG/KG	U					
Endosulfan II							U	22	UG/KG	U					
Endosulfan sulfate							U	22	UG/KG	U					
Endosulfan-I							U	11	UG/KG	U					
Endrin							U	22	UG/KG	U					
Endrin ketone							U	22	UG/KG	U					
Heptachlor							U	11	UG/KG	U					
Heptachlor epoxide							U	11	UG/KG	U					
Isodrin							U	11	UG/KG	U					
Kepone							U	22	UG/KG	U					

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1767				1767				1767				1766		
Sample ID:		063024				063032				063033				063048		
Sample Date:		28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):		17				12				0				3.5		
Bottom Depth (ft):		17.5				20.7				20.7				4		
4,4-DDD					U	20	UG/KG	UJ								
4,4-DDE					U	20	UG/KG	UJ								
4,4-DDT					U	20	UG/KG	UJ								
Aldrin					U	10	UG/KG	UJ								
Aroclor-1016					U	100	UG/KG	UJ								
Aroclor-1221					U	100	UG/KG	UJ								
Aroclor-1232					U	100	UG/KG	UJ								
Aroclor-1242					U	100	UG/KG	UJ								
Aroclor-1248					DJX	66	UG/KG	J								
Aroclor-1254					DJX	250	UG/KG	J								
Aroclor-1260					U	200	UG/KG	UJ								
Dieldrin					U	20	UG/KG	UJ								
Endosulfan II					U	20	UG/KG	UJ								
Endosulfan sulfate					U	20	UG/KG	UJ								
Endosulfan-I					U	10	UG/KG	UJ								
Endrin					U	20	UG/KG	UJ								
Endrin ketone					U	20	UG/KG	UJ								
Heptachlor					U	10	UG/KG	UJ								
Heptachlor epoxide					U	10	UG/KG	UJ								
Isodrin					U	10	UG/KG	UJ								
Kepone					U	20	UG/KG	UJ								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD					U	1200	UG/KG	U								
4,4-DDE					U	1200	UG/KG	U								
4,4-DDT					U	1200	UG/KG	U								
Aldrin					U	600	UG/KG	U								
Aroclor-1016					U	6000	UG/KG	U								
Aroclor-1221					U	6000	UG/KG	U								
Aroclor-1232					U	6000	UG/KG	U								
Aroclor-1242					U	6000	UG/KG	U								
Aroclor-1248					DXC	7000	UG/KG	-								
Aroclor-1254					DJXC	5100	UG/KG	-								
Aroclor-1260					U	12000	UG/KG	U								
Dieldrin					U	1200	UG/KG	U								
Endosulfan II					U	1200	UG/KG	U								
Endosulfan sulfate					U	1200	UG/KG	U								
Endosulfan-I					U	600	UG/KG	U								
Endrin					U	1200	UG/KG	U								
Endrin ketone					U	1200	UG/KG	U								
Heptachlor					U	600	UG/KG	U								
Heptachlor epoxide					U	600	UG/KG	U								
Isodrin					U	600	UG/KG	U								
Kepone					U	1200	UG/KG	U								

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Pit Material Organic Results

Well/Boring:	1766				1766				1765				1765		
Sample ID:	063071				063072				063088				063098		
Sample Date:	15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):	14				0				4				13		
Bottom Depth (ft):	20.5				20.5				4.5				13.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	21	UG/KG	U												
4,4-DDE	U	21	UG/KG	U												
4,4-DDT	U	21	UG/KG	U												
Aldrin	U	11	UG/KG	U												
Aroclor-1016	U	110	UG/KG	U												
Aroclor-1221	U	110	UG/KG	U												
Aroclor-1232	U	110	UG/KG	U												
Aroclor-1242	U	110	UG/KG	U												
Aroclor-1248	DXFC	4400	UG/KG	J												
Aroclor-1254	DXFC	13000	UG/KG	J												
Aroclor-1260	U	210	UG/KG	U												
Dieldrin	U	21	UG/KG	U												
Endosulfan II	U	21	UG/KG	U												
Endosulfan sulfate	U	21	UG/KG	U												
Endosulfan-I	U	11	UG/KG	U												
Endrin	U	21	UG/KG	U												
Endrin ketone	U	21	UG/KG	U												
Heptachlor	U	11	UG/KG	U												
Heptachlor epoxide	U	11	UG/KG	U												
Isodrin																
Kepone																

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Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765			
Sample ID:	063100				063107				063108				063112			
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91			
Top Depth (ft):	7				19				19.5				14			
Bottom Depth (ft):	14				19.5				20				22			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	200	UG/KG	U									U	28	UG/KG	U
4,4-DDE	U	200	UG/KG	U									U	28	UG/KG	U
4,4-DDT	U	200	UG/KG	U									U	28	UG/KG	U
Aldrin	U	100	UG/KG	U									U	14	UG/KG	U
Aroclor-1016	U	1000	UG/KG	U									U	140	UG/KG	U
Aroclor-1221	U	1000	UG/KG	U									DX	4600	UG/KG	J
Aroclor-1232	U	1000	UG/KG	U									U	140	UG/KG	U
Aroclor-1242	U	1000	UG/KG	U									U	140	UG/KG	U
Aroclor-1248	DJXC	10000	UG/KG	J									U	140	UG/KG	U
Aroclor-1254	DJXC	5700	UG/KG	J									DJX	2600	UG/KG	R
Aroclor-1260	U	2000	UG/KG	U									U	280	UG/KG	U
Dieldrin	U	200	UG/KG	U									U	28	UG/KG	U
Endosulfan II	U	200	UG/KG	U									U	28	UG/KG	U
Endosulfan sulfate	U	200	UG/KG	U									U	28	UG/KG	U
Endosulfan-I	U	100	UG/KG	U									U	14	UG/KG	U
Endrin	U	200	UG/KG	U									U	28	UG/KG	U
Endrin ketone	U	200	UG/KG	U									U	28	UG/KG	U
Heptachlor	U	100	UG/KG	U									U	14	UG/KG	U
Heptachlor epoxide	U	100	UG/KG	U									U	14	UG/KG	U
Isodrin	U	100	UG/KG	U												
Kepone	U	200	UG/KG	U												

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1767		
Sample ID:	063004				063015				063017				063021		
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91		
Top Depth (ft):	1.5				11				6				15.5		
Bottom Depth (ft):	2				11.5				12				16		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor									U	110	UG/KG	U				
Toxaphene									U	220	UG/KG	U				
alpha-BHC									U	11	UG/KG	U				
alpha-Chlordane									U	110	UG/KG	U				
beta-BHC									U	11	UG/KG	U				
delta-BHC									U	11	UG/KG	U				
gamma-BHC (Lindane)									U	11	UG/KG	U				
gamma-Chlordane									U	110	UG/KG	U				
1,2,4,5-Tetrachlorobenzene									U	900	UG/KG	UJ				
1,2,4-Trichlorobenzene									U	900	UG/KG	UJ				
1,2-Dichlorobenzene									U	900	UG/KG	UJ				
1,3,5-Trinitrobenzene									U	900	UG/KG	R				
1,3-Dichlorobenzene									U	900	UG/KG	UJ				
1,3-Dinitrobenzene									U	900	UG/KG	UJ				
1,4-Dichlorobenzene									U	900	UG/KG	UJ				
1,4-Naphthoquinone									U	900	UG/KG	UJ				
1-Naphthylamine									U	11000	UG/KG	UJ				
2,3,4,6-Tetrachlorophenol									U	900	UG/KG	UJ				
2,4,5-Trichlorophenol									U	4400	UG/KG	UJ				
2,4,6-Trichlorophenol									U	900	UG/KG	UJ				
2,4-Dichlorophenol									U	900	UG/KG	UJ				

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1766		
Sample ID:	063024				063032				063033				063048		
Sample Date:	28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):	17				12				0				3.5		
Bottom Depth (ft):	17.5				20.7				20.7				4		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor					U	100	UG/KG	UJ								
Toxaphene					U	200	UG/KG	UJ								
alpha-BHC					U	10	UG/KG	UJ								
alpha-Chlordane					U	100	UG/KG	UJ								
beta-BHC					U	10	UG/KG	UJ								
delta-BHC					U	10	UG/KG	UJ								
gamma-BHC (Lindane)					U	10	UG/KG	UJ								
gamma-Chlordane					U	100	UG/KG	UJ								
1,2,4,5-Tetrachlorobenzene					U	400	UG/KG	UJ								
1,2,4-Trichlorobenzene					U	400	UG/KG	U								
1,2-Dichlorobenzene					U	400	UG/KG	U								
1,3,5-Trinitrobenzene					U	400	UG/KG	UJ								
1,3-Dichlorobenzene					U	400	UG/KG	U								
1,3-Dinitrobenzene					U	400	UG/KG	U								
1,4-Dichlorobenzene					U	400	UG/KG	U								
1,4-Naphthoquinone					U	400	UG/KG	UJ								
1-Naphthylamine					U	4900	UG/KG	U								
2,3,4,6-Tetrachlorophenol					U	400	UG/KG	U								
2,4,5-Trichlorophenol					U	2000	UG/KG	U								
2,4,6-Trichlorophenol					U	400	UG/KG	U								
2,4-Dichlorophenol					U	400	UG/KG	U								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor					U	6000	UG/KG	U								
Toxaphene					U	12000	UG/KG	U								
alpha-BHC					U	600	UG/KG	U								
alpha-Chlordane					U	6000	UG/KG	U								
beta-BHC					U	600	UG/KG	U								
delta-BHC					U	600	UG/KG	U								
gamma-BHC (Lindane)					U	600	UG/KG	U								
gamma-Chlordane					U	6000	UG/KG	U								
1,2,4,5-Tetrachlorobenzene	U	420	UG/KG	UJ												
1,2,4-Trichlorobenzene	U	420	UG/KG	U	U	480	UG/KG	U								
1,2-Dichlorobenzene	U	420	UG/KG	U	U	480	UG/KG	U								
1,3,5-Trinitrobenzene	U	420	UG/KG	U												
1,3-Dichlorobenzene	U	420	UG/KG	U	U	480	UG/KG	U								
1,3-Dinitrobenzene	U	420	UG/KG	UJ												
1,4-Dichlorobenzene	U	420	UG/KG	U	U	480	UG/KG	U								
1,4-Naphthoquinone	U	420	UG/KG	UJ												
1-Naphthylamine	U	5100	UG/KG	U												
2,3,4,6-Tetrachlorophenol	U	420	UG/KG	U												
2,4,5-Trichlorophenol	U	2000	UG/KG	U	U	2300	UG/KG	U								
2,4,6-Trichlorophenol	U	420	UG/KG	U	U	480	UG/KG	U								
2,4-Dichlorophenol	U	420	UG/KG	U	U	480	UG/KG	U								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1765				1765		
Sample ID:	063071				063072				063088				063098		
Sample Date:	15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):	14				0				4				13		
Bottom Depth (ft):	20.5				20.5				4.5				13.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor	U	110	UG/KG	U												
Toxaphene	U	210	UG/KG	U												
alpha-BHC	U	11	UG/KG	U												
alpha-Chlordane	U	110	UG/KG	U												
beta-BHC	U	11	UG/KG	U												
delta-BHC	U	11	UG/KG	U												
gamma-BHC (Lindane)	U	11	UG/KG	U												
gamma-Chlordane	U	110	UG/KG	U												
1,2,4,5-Tetrachlorobenzene													U	1600	UG/KG	UJ
1,2,4-Trichlorobenzene	U	440	UG/KG	UJ									U	400	UG/KG	UJ
1,2-Dichlorobenzene	U	440	UG/KG	UJ									U	400	UG/KG	U
1,3,5-Trinitrobenzene													U	1600	UG/KG	R
1,3-Dichlorobenzene	U	440	UG/KG	UJ									U	400	UG/KG	U
1,3-Dinitrobenzene													U	1600	UG/KG	UJ
1,4-Dichlorobenzene	U	440	UG/KG	UJ									U	400	UG/KG	U
1,4-Naphthoquinone													U	1600	UG/KG	UJ
1-Naphthylamine													U	20000	UG/KG	UJ
2,3,4,6-Tetrachlorophenol													U	1600	UG/KG	UJ
2,4,5-Trichlorophenol	U	2100	UG/KG	UJ									U	2000	UG/KG	U
2,4,6-Trichlorophenol	U	440	UG/KG	UJ									U	400	UG/KG	U
2,4-Dichlorophenol	U	440	UG/KG	UJ									U	400	UG/KG	U

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063107				063108				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				19				19.5				14		
Bottom Depth (ft):	14				19.5				20				22		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor	U	1000	UG/KG	U									U	140	UG/KG	U
Toxaphene	U	2000	UG/KG	U									U	280	UG/KG	U
alpha-BHC	U	100	UG/KG	U									U	14	UG/KG	U
alpha-Chlordane	U	1000	UG/KG	U									U	140	UG/KG	U
beta-BHC	U	100	UG/KG	U									U	14	UG/KG	U
delta-BHC	U	100	UG/KG	U									U	14	UG/KG	U
gamma-BHC (Lindane)	U	100	UG/KG	U									U	14	UG/KG	U
gamma-Chlordane	U	1000	UG/KG	U									U	140	UG/KG	U
1,2,4,5-Tetrachlorobenzene													U	560	UG/KG	R
1,2,4-Trichlorobenzene	U	410	UG/KG	UJ									U	560	UG/KG	U
1,2-Dichlorobenzene	U	410	UG/KG	U									U	560	UG/KG	U
1,3,5-Trinitrobenzene													U	560	UG/KG	R
1,3-Dichlorobenzene	U	410	UG/KG	U									U	560	UG/KG	U
1,3-Dinitrobenzene													U	560	UG/KG	R
1,4-Dichlorobenzene	U	410	UG/KG	U									U	560	UG/KG	U
1,4-Naphthoquinone													U	560	UG/KG	UJ
1-Naphthylamine													U	6700	UG/KG	R
2,3,4,6-Tetrachlorophenol													U	560	UG/KG	R
2,4,5-Trichlorophenol	U	2000	UG/KG	U									U	2700	UG/KG	U
2,4,6-Trichlorophenol	U	410	UG/KG	U									U	560	UG/KG	U
2,4-Dichlorophenol	U	410	UG/KG	U									U	560	UG/KG	U

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061129

1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1767		
Sample ID:	063004				063015				063017				063021		
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91		
Top Depth (ft):	1.5				11				6				15.5		
Bottom Depth (ft):	2				11.5				12				16		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol									U	900	UG/KG	UJ				
2,4-Dinitrophenol									U	4400	UG/KG	UJ				
2,4-Dinitrotoluene									U	900	UG/KG	UJ				
2,6-Dichlorophenol									U	900	UG/KG	UJ				
2,6-Dinitrotoluene									U	900	UG/KG	UJ				
2-Acetylaminofluorene									U	900	UG/KG	UJ				
2-Chloronaphthalene									U	900	UG/KG	UJ				
2-Chlorophenol									U	900	UG/KG	UJ				
2-Methylnaphthalene									U	900	UG/KG	UJ				
2-Methylphenol									U	900	UG/KG	UJ				
2-Naphthylamine									U	16000	UG/KG	UJ				
2-Nitroaniline									U	4400	UG/KG	UJ				
2-Nitrophenol									U	900	UG/KG	UJ				
2-Picoline									U	6300	UG/KG	UJ				
3,3'-Dichlorobenzidine									U	1800	UG/KG	UJ				
3,3'-Dimethylbenzidine									U	7400	UG/KG	UJ				
3-Methylcholanthrene									U	2700	UG/KG	UJ				
3-Methylphenol									U	900	UG/KG	UJ				
3-Nitroaniline									U	4400	UG/KG	UJ				
4,6-Dinitro-2-methylphenol									U	4400	UG/KG	UJ				
4-Aminobiphenyl									U	4600	UG/KG	UJ				

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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1767				1767				1767				1766		
Sample ID:		063024				063032				063033				063048		
Sample Date:		28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):		17				12				0				3.5		
Bottom Depth (ft):		17.5				20.7				20.7				4		
2,4-Dimethylphenol					U	400	UG/KG	U								
2,4-Dinitrophenol					U	2000	UG/KG	UJ								
2,4-Dinitrotoluene					U	400	UG/KG	U								
2,6-Dichlorophenol					U	400	UG/KG	U								
2,6-Dinitrotoluene					U	400	UG/KG	U								
2-Acetylaminofluorene					U	400	UG/KG	U								
2-Chloronaphthalene					U	400	UG/KG	U								
2-Chlorophenol					U	400	UG/KG	U								
2-Methylnaphthalene					U	400	UG/KG	U								
2-Methylphenol					U	400	UG/KG	U								
2-Naphthylamine					U	7000	UG/KG	U								
2-Nitroaniline					U	2000	UG/KG	U								
2-Nitrophenol					U	400	UG/KG	U								
2-Picoline					U	2800	UG/KG	U								
3,3'-Dichlorobenzidine					U	810	UG/KG	U								
3,3'-Dimethylbenzidine					U	3300	UG/KG	U								
3-Methylcholanthrene					U	1200	UG/KG	UJ								
3-Methylphenol					J	42	UG/KG	J								
3-Nitroaniline					U	2000	UG/KG	U								
4,6-Dinitro-2-methylphenol					U	2000	UG/KG	U								
4-Aminobiphenyl					U	2000	UG/KG	UJ								

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Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
2,4-Dimethylphenol	U	420	UG/KG	U	U	480	UG/KG	U							
2,4-Dinitrophenol	U	2000	UG/KG	UJ	U	2300	UG/KG	UJ							
2,4-Dinitrotoluene	U	420	UG/KG	U	U	480	UG/KG	U							
2,6-Dichlorophenol	U	420	UG/KG	U											
2,6-Dinitrotoluene	U	420	UG/KG	U	U	480	UG/KG	U							
2-Acetylaminofluorene	U	420	UG/KG	U											
2-Chloronaphthalene	U	420	UG/KG	U	U	480	UG/KG	U							
2-Chlorophenol	U	420	UG/KG	U	U	480	UG/KG	U							
2-Methylnaphthalene	U	420	UG/KG	U	U	480	UG/KG	U							
2-Methylphenol	U	420	UG/KG	U		480	UG/KG	UJ							
2-Naphthylamine	U	7300	UG/KG	UJ											
2-Nitroaniline	U	2000	UG/KG	U	U	2300	UG/KG	U							
2-Nitrophenol	U	420	UG/KG	U	U	480	UG/KG	U							
2-Picoline	U	2900	UG/KG	U											
3,3'-Dichlorobenzidine	U	840	UG/KG	U	U	970	UG/KG	UJ							
3,3'-Dimethylbenzidine	U	3400	UG/KG	U											
3-Methylcholanthrene	U	1300	UG/KG	UJ											
3-Methylphenol	U	420	UG/KG	U											
3-Nitroaniline	U	2000	UG/KG	U	U	2300	UG/KG	UJ							
4,6-Dinitro-2-methylphenol	U	2000	UG/KG	U	U	2300	UG/KG	UJ							
4-Aminobiphenyl	U	2100	UG/KG	UJ											

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1766				1766				1765				1765		
Sample ID:		063071				063072				063088				063098		
Sample Date:		15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):		14				0				4				13		
Bottom Depth (ft):		20.5				20.5				4.5				13.5		
2,4-Dimethylphenol	U	440	UG/KG	UJ									U	400	UG/KG	U
2,4-Dinitrophenol	U	2100	UG/KG	UJ									U	2000	UG/KG	UJ
2,4-Dinitrotoluene	U	440	UG/KG	UJ									U	400	UG/KG	UJ
2,6-Dichlorophenol													U	1600	UG/KG	UJ
2,6-Dinitrotoluene	U	440	UG/KG	UJ									U	400	UG/KG	U
2-Acetylaminofluorene													U	1600	UG/KG	UJ
2-Chloronaphthalene	U	440	UG/KG	UJ									U	400	UG/KG	U
2-Chlorophenol	U	440	UG/KG	UJ									U	400	UG/KG	U
2-Methylnaphthalene	J	100	UG/KG	J									U	400	UG/KG	U
2-Methylphenol	U	440	UG/KG	UJ									U	400	UG/KG	U
2-Naphthylamine													U	28000	UG/KG	UJ
2-Nitroaniline	U	2100	UG/KG	UJ									U	2000	UG/KG	UJ
2-Nitrophenol	U	440	UG/KG	UJ									U	400	UG/KG	U
2-Picoline														11000	UG/KG	R
3,3'-Dichlorobenzidine	U	880	UG/KG	UJ									U	810	UG/KG	UJ
3,3'-Dimethylbenzidine													U	13000	UG/KG	UJ
3-Methylcholanthrene													U	4900	UG/KG	UJ
3-Methylphenol													U	1600	UG/KG	R
3-Nitroaniline	U	2100	UG/KG	R									U	2000	UG/KG	UJ
4,6-Dinitro-2-methylphenol	U	2100	UG/KG	UJ									U	2000	UG/KG	UJ
4-Aminobiphenyl													U	8200	UG/KG	UJ

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063107				063108				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				19				19.5				14		
Bottom Depth (ft):	14				19.5				20				22		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
2,4-Dimethylphenol	U	410	UG/KG	U											
2,4-Dinitrophenol	U	2000	UG/KG	UJ							U	560	UG/KG	U	
2,4-Dinitrotoluene	U	410	UG/KG	U							U	2700	UG/KG	U	
2,6-Dichlorophenol											U	560	UG/KG	U	
2,6-Dinitrotoluene	U	410	UG/KG	U							U	560	UG/KG	R	
2-Acetylaminofluorene											U	560	UG/KG	U	
2-Chloronaphthalene	U	410	UG/KG	U							U	560	UG/KG	R	
2-Chlorophenol	U	410	UG/KG	U							U	560	UG/KG	U	
2-Methylnaphthalene	J	140	UG/KG	J							U	560	UG/KG	U	
2-Methylphenol	U	410	UG/KG	U							U	560	UG/KG	U	
2-Naphthylamine											U	560	UG/KG	U	
2-Nitroaniline	U	2000	UG/KG	UJ							U	9600	UG/KG	R	
2-Nitrophenol	U	410	UG/KG	U							U	2700	UG/KG	U	
2-Picoline											U	560	UG/KG	U	
3,3'-Dichlorobenzidine	U	810	UG/KG	UJ							U	3900	UG/KG	R	
3,3'-Dimethylbenzidine											U	1100	UG/KG	U	
3-Methylcholanthrene											U	4600	UG/KG	R	
3-Methylphenol											U	1700	UG/KG	R	
3-Nitroaniline	U	2000	UG/KG	UJ							U	560	UG/KG	R	
4,6-Dinitro-2-methylphenol	U	2000	UG/KG	UJ							U	2700	UG/KG	U	
4-Aminobiphenyl											U	2700	UG/KG	U	
											U	2800	UG/KG	R	

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1991 RI/FS - Pit 1
Pit Material Organic Results

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Well/Boring:	1767				1767				1767				1767		
Sample ID:	063004				063015				063017				063021		
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91		
Top Depth (ft):	1.5				11				6				15.5		
Bottom Depth (ft):	2				11.5				12				16		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether									U	900	UG/KG	UJ				
4-Chloro-3-methylphenol									U	900	UG/KG	UJ				
4-Chloroaniline									U	900	UG/KG	UJ				
4-Chlorophenylphenyl ether									U	900	UG/KG	UJ				
4-Methylphenol									U	900	UG/KG	UJ				
4-Nitroaniline									U	4400	UG/KG	UJ				
4-Nitrophenol									U	4400	UG/KG	UJ				
4-Nitroquinoline-1-oxide									U	900	UG/KG	UJ				
5-Nitro-o-toluidine									U	1800	UG/KG	UJ				
7,12-Dimethylbenz(a)anthracene									U	1800	UG/KG	UJ				
Acenaphthene									U	900	UG/KG	UJ				
Acenaphthylene									U	900	UG/KG	UJ				
Acetophenone									U	900	UG/KG	UJ				
Aniline									U	4700	UG/KG	UJ				
Anthracene									U	900	UG/KG	UJ				
Aramite									U	900	UG/KG	UJ				
Benzo(a)anthracene									U	900	UG/KG	UJ				
Benzo(a)pyrene									U	900	UG/KG	UJ				
Benzo(b)fluoranthene									U	900	UG/KG	UJ				
Benzo(g,h,i)perylene									U	900	UG/KG	UJ				
Benzo(k)fluoranthene									U	900	UG/KG	UJ				

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1766		
Sample ID:	063024				063032				063033				063048		
Sample Date:	28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):	17				12				0				3.5		
Bottom Depth (ft):	17.5				20.7				20.7				4		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether					U	400	UG/KG	U								
4-Chloro-3-methylphenol					U	400	UG/KG	U								
4-Chloroaniline					U	400	UG/KG	U								
4-Chlorophenylphenyl ether					U	400	UG/KG	U								
4-Methylphenol					U	400	UG/KG	U								
4-Nitroaniline					U	2000	UG/KG	U								
4-Nitrophenol					U	2000	UG/KG	U								
4-Nitroquinoline-1-oxide					U	400	UG/KG	R								
5-Nitro-o-toluidine					U	820	UG/KG	U								
7,12-Dimethylbenz(a)anthracene					U	820	UG/KG	UJ								
Acenaphthene					U	400	UG/KG	U								
Acenaphthylene					U	400	UG/KG	U								
Acetophenone					U	400	UG/KG	U								
Aniline					U	2100	UG/KG	U								
Anthracene					U	400	UG/KG	U								
Aramite					U	400	UG/KG	UJ								
Benzo(a)anthracene					U	400	UG/KG	U								
Benzo(a)pyrene					U	400	UG/KG	U								
Benzo(b)fluoranthene					U	400	UG/KG	U								
Benzo(g,h,i)perylene					U	400	UG/KG	U								
Benzo(k)fluoranthene					U	400	UG/KG	U								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1766				1766				1766				1766		
Sample ID:		063060				063061				063064				063065		
Sample Date:		13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):		13.5				7				17				17.5		
Bottom Depth (ft):		14				14				17.5				18		
4-Bromophenyl phenyl ether	U	420	UG/KG	U	U	480	UG/KG	U								
4-Chloro-3-methylphenol	U	420	UG/KG	U	U	480	UG/KG	U								
4-Chloroaniline	U	420	UG/KG	U	U	480	UG/KG	U								
4-Chlorophenylphenyl ether	U	420	UG/KG	U	U	480	UG/KG	U								
4-Methylphenol	U	420	UG/KG	U	U	480	UG/KG	U								
4-Nitroaniline	U	2000	UG/KG	U	U	2300	UG/KG	R								
4-Nitrophenol	U	2000	UG/KG	U	U	2300	UG/KG	U								
4-Nitroquinoline-1-oxide	U	420	UG/KG	R												
5-Nitro-o-toluidine	U	850	UG/KG	U												
7,12-Dimethylbenz(a)anthracene	U	850	UG/KG	UJ												
Acenaphthene	U	420	UG/KG	U	U	480	UG/KG	U								
Acenaphthylene	U	420	UG/KG	U	U	480	UG/KG	U								
Acetophenone	U	420	UG/KG	U												
Aniline	U	2200	UG/KG	U												
Anthracene	U	420	UG/KG	U	U	480	UG/KG	U								
Aramite	U	420	UG/KG	R												
Benzo(a)anthracene	U	420	UG/KG	U	U	480	UG/KG	U								
Benzo(a)pyrene	U	420	UG/KG	U	U	480	UG/KG	U								
Benzo(b)fluoranthene	U	420	UG/KG	U	U	480	UG/KG	U								
Benzo(g,h,i)perylene	U	420	UG/KG	U	U	480	UG/KG	U								
Benzo(k)fluoranthene	U	420	UG/KG	U	U	480	UG/KG	U								

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Pit Material Organic Results

Well/Boring:	1766				1766				1765				1765			
Sample ID:	063071				063072				063088				063098			
Sample Date:	15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91			
Top Depth (ft):	14				0				4				13			
Bottom Depth (ft):	20.5				20.5				4.5				13.5			
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP			
4-Bromophenyl phenyl ether	U	440	UG/KG	UJ												
4-Chloro-3-methylphenol	U	440	UG/KG	UJ							U	400	UG/KG	U		
4-Chloroaniline	U	440	UG/KG	UJ							U	400	UG/KG	U		
4-Chlorophenylphenyl ether	U	440	UG/KG	UJ							U	400	UG/KG	UJ		
4-Methylphenol	U	440	UG/KG	UJ							U	400	UG/KG	U		
4-Nitroaniline	U	2100	UG/KG	R							U	400	UG/KG	U		
4-Nitrophenol	U	2100	UG/KG	UJ							U	2000	UG/KG	UJ		
4-Nitroquinoline-1-oxide											U	2000	UG/KG	UJ		
5-Nitro-o-toluidine											U	1600	UG/KG	R		
7,12-Dimethylbenz(a)anthracene											U	3300	UG/KG	UJ		
Acenaphthene	U	440	UG/KG	UJ							U	3300	UG/KG	UJ		
Acenaphthylene	U	440	UG/KG	UJ							U	400	UG/KG	U		
Acetophenone											U	400	UG/KG	U		
Aniline											U	1600	UG/KG	UJ		
Anthracene	U	440	UG/KG	UJ							U	8300	UG/KG	UJ		
Aramite											U	400	UG/KG	U		
Benzo(a)anthracene	U	440	UG/KG	UJ							U	1600	UG/KG	UJ		
Benzo(a)pyrene	U	440	UG/KG	UJ							U	400	UG/KG	U		
Benzo(b)fluoranthene	U	440	UG/KG	UJ							U	400	UG/KG	U		
Benzo(g,h,i)perylene	U	440	UG/KG	UJ							U	400	UG/KG	U		
Benzo(k)fluoranthene	U	440	UG/KG	UJ							U	400	UG/KG	U		

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063107				063108				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				19				19.5				14		
Bottom Depth (ft):	14				19.5				20				22		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether	U	410	UG/KG	U									U	560	UG/KG	U
4-Chloro-3-methylphenol	U	410	UG/KG	U									U	560	UG/KG	U
4-Chloroaniline	U	410	UG/KG	UJ									U	560	UG/KG	U
4-Chlorophenylphenyl ether	U	410	UG/KG	U									U	560	UG/KG	U
4-Methylphenol	U	410	UG/KG	U									U	560	UG/KG	U
4-Nitroaniline	U	2000	UG/KG	UJ									U	2700	UG/KG	U
4-Nitrophenol	U	2000	UG/KG	UJ									U	2700	UG/KG	U
4-Nitroquinoline-1-oxide													U	560	UG/KG	R
5-Nitro-o-toluidine													U	1100	UG/KG	R
7,12-Dimethylbenz(a)anthracene													U	1100	UG/KG	R
Acenaphthene	U	410	UG/KG	U									U	560	UG/KG	U
Acenaphthylene	U	410	UG/KG	U									U	560	UG/KG	U
Acetophenone													U	560	UG/KG	R
Aniline													U	2900	UG/KG	R
Anthracene	U	410	UG/KG	U									U	560	UG/KG	U
Aramite													U	560	UG/KG	U
Benzo(a)anthracene	U	410	UG/KG	U									U	560	UG/KG	U
Benzo(a)pyrene													U	560	UG/KG	U
Benzo(b)fluoranthene	U	410	UG/KG	U									U	560	UG/KG	U
Benzo(g,h,i)perylene	U	410	UG/KG	U									U	560	UG/KG	U
Benzo(k)fluoranthene	U	410	UG/KG	U									U	560	UG/KG	U

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Pit Material Organic Results

Well/Boring:	1767				1767				1767				1767		
Sample ID:	063004				063015				063017				063021		
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91		
Top Depth (ft):	1.5				11				6				15.5		
Bottom Depth (ft):	2				11.5				12				16		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid									U	4400	UG/KG	UJ				
Benzyl alcohol									U	900	UG/KG	UJ				
Butyl benzyl phthalate									U	900	UG/KG	UJ				
Chlorobenzilate									U	22	UG/KG	U				
Chrysene									U	900	UG/KG	UJ				
Di-n-butyl phthalate									U	900	UG/KG	UJ				
Di-n-octyl phthalate									U	900	UG/KG	UJ				
Diallate									U	900	UG/KG	UJ				
Dibenzo(a,h)anthracene									U	900	UG/KG	UJ				
Dibenzofuran									U	900	UG/KG	UJ				
Diethyl phthalate									U	900	UG/KG	UJ				
Dimethyl phthalate									U	900	UG/KG	UJ				
Dinoseb									U	19	UG/KG	UJ				
Diphenylamine									U	900	UG/KG	UJ				
Ethyl methanesulfonate									U	900	UG/KG	UJ				
Fluoranthene									U	900	UG/KG	UJ				
Fluorene									U	900	UG/KG	UJ				
Hexachlorobenzene									U	900	UG/KG	UJ				
Hexachlorobutadiene									U	900	UG/KG	UJ				
Hexachlorocyclopentadiene									U	900	UG/KG	UJ				
Hexachloroethane									U	900	UG/KG	UJ				

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:		1767				1767				1767				1766	
Sample ID:		063024				063032				063033				063048	
Sample Date:		28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91	
Top Depth (ft):		17				12				0				3.5	
Bottom Depth (ft):		17.5				20.7				20.7				4	
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid					U	2000	UG/KG	U								
Benzyl alcohol					U	400	UG/KG	U								
Butyl benzyl phthalate					U	400	UG/KG	U								
Chlorobenzilate					U	20	UG/KG	UJ								
Chrysene					U	400	UG/KG	U								
Di-n-butyl phthalate					U	400	UG/KG	U								
Di-n-octyl phthalate					U	400	UG/KG	U								
Diallate					U	400	UG/KG	UJ								
Dibenzo(a,h)anthracene					U	400	UG/KG	U								
Dibenzofuran					U	400	UG/KG	U								
Diethyl phthalate					U	400	UG/KG	U								
Dimethyl phthalate					U	400	UG/KG	U								
Dinoseb					U	17	UG/KG	U								
Diphenylamine					U	400	UG/KG	UJ								
Ethyl methanesulfonate					U	400	UG/KG	UJ								
Fluoranthene					U	400	UG/KG	U								
Fluorene					U	400	UG/KG	U								
Hexachlorobenzene					U	400	UG/KG	U								
Hexachlorobutadiene					U	400	UG/KG	U								
Hexachlorocyclopentadiene					U	400	UG/KG	U								
Hexachloroethane					U	400	UG/KG	U								

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Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid	U	2000	UG/KG	U	U	2300	UG/KG	UJ								
Benzyl alcohol	U	420	UG/KG	U	U	480	UG/KG	U								
Butyl benzyl phthalate	U	420	UG/KG	U	U	480	UG/KG	U								
Chlorobenzilate					U	1200	UG/KG	U								
Chrysene	U	420	UG/KG	U	U	480	UG/KG	U								
Di-n-butyl phthalate	U	420	UG/KG	U	U	480	UG/KG	U								
Di-n-octyl phthalate	U	420	UG/KG	U	U	480	UG/KG	U								
Diallate	U	420	UG/KG	UJ												
Dibenzo(a,h)anthracene	U	420	UG/KG	U	U	480	UG/KG	U								
Dibenzofuran	U	420	UG/KG	U	U	480	UG/KG	U								
Diethyl phthalate	U	420	UG/KG	U	U	480	UG/KG	U								
Dimethyl phthalate	U	420	UG/KG	U	U	480	UG/KG	U								
Dinoseb	U	850	UG/KG	UJ	U	17	UG/KG	U								
Diphenylamine	U	420	UG/KG	UJ												
Ethyl methanesulfonate	U	420	UG/KG	UJ												
Fluoranthene	U	420	UG/KG	U	U	480	UG/KG	U								
Fluorene	U	420	UG/KG	U	U	480	UG/KG	U								
Hexachlorobenzene	U	420	UG/KG	U	U	480	UG/KG	U								
Hexachlorobutadiene	U	420	UG/KG	U	U	480	UG/KG	U								
Hexachlorocyclopentadiene	U	420	UG/KG	U	U	480	UG/KG	U								
Hexachloroethane	U	420	UG/KG	U		480	UG/KG	UJ								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1765				1765		
Sample ID:	063071				063072				063088				063098		
Sample Date:	15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):	14				0				4				13		
Bottom Depth (ft):	20.5				20.5				4.5				13.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Benzoic acid	J	380	UG/KG	J							J	130	UG/KG	J	
Benzyl alcohol	U	440	UG/KG	UJ							U	400	UG/KG	UJ	
Butyl benzyl phthalate	U	440	UG/KG	UJ							U	400	UG/KG	U	
Chlorobenzilate															
Chrysene	U	440	UG/KG	UJ							U	400	UG/KG	U	
Di-n-butyl phthalate	U	440	UG/KG	UJ							J	83	UG/KG	J	
Di-n-octyl phthalate	U	440	UG/KG	UJ							U	400	UG/KG	U	
Diallate											U	1600	UG/KG	UJ	
Dibenzo(a,h)anthracene	U	440	UG/KG	UJ							U	400	UG/KG	U	
Dibenzofuran	U	440	UG/KG	UJ							U	400	UG/KG	U	
Diethyl phthalate	U	440	UG/KG	UJ							U	400	UG/KG	U	
Dimethyl phthalate	U	440	UG/KG	UJ							U	400	UG/KG	U	
Dinoseb												3300	UG/KG	R	
Diphenylamine											U	1600	UG/KG	UJ	
Ethyl methanesulfonate												1600	UG/KG	R	
Fluoranthene	U	440	UG/KG	UJ							J	160	UG/KG	J	
Fluorene	U	440	UG/KG	UJ							U	400	UG/KG	U	
Hexachlorobenzene	U	440	UG/KG	UJ							U	400	UG/KG	U	
Hexachlorobutadiene	U	440	UG/KG	UJ							U	400	UG/KG	U	
Hexachlorocyclopentadiene	U	440	UG/KG	UJ							U	400	UG/KG	U	
Hexachloroethane	U	440	UG/KG	UJ							U	400	UG/KG	U	

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063107				063108				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				19				19.5				14		
Bottom Depth (ft):	14				19.5				20				22		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Benzoic acid	J	250	UG/KG	J											
Benzyl alcohol	U	410	UG/KG	UJ							BJ	87	UG/KG	UJ	
Butyl benzyl phthalate	U	410	UG/KG	U							U	560	UG/KG	U	
Chlorobenzilate	U	200	UG/KG	U							U	560	UG/KG	U	
Chrysene	U	410	UG/KG	U											
Di-n-butyl phthalate	U	410	UG/KG	U							U	560	UG/KG	U	
Di-n-octyl phthalate	U	410	UG/KG	U							U	560	UG/KG	U	
Diallate											U	560	UG/KG	U	
Dibenzo(a,h)anthracene	U	410	UG/KG	U							U	560	UG/KG	R	
Dibenzofuran	U	410	UG/KG	U							U	560	UG/KG	U	
Diethyl phthalate	U	410	UG/KG	U							U	560	UG/KG	U	
Dimethyl phthalate	U	410	UG/KG	U							U	560	UG/KG	U	
Dinoseb	U	17	UG/KG	U							U	560	UG/KG	U	
Diphenylamine											U	24	UG/KG	U	
Ethyl methanesulfonate											U	560	UG/KG	UJ	
Fluoranthene		1000	UG/KG	-							U	560	UG/KG	R	
Fluorene	U	410	UG/KG	U							U	560	UG/KG	U	
Hexachlorobenzene	U	410	UG/KG	U							U	560	UG/KG	U	
Hexachlorobutadiene	U	410	UG/KG	U							U	560	UG/KG	U	
Hexachlorocyclopentadiene	U	410	UG/KG	U							U	560	UG/KG	U	
Hexachloroethane	U	410	UG/KG	U							U	560	UG/KG	U	

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1767				1767				1767				1767			
Sample ID:		063004				063015				063017				063021			
Sample Date:		25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91			
Top Depth (ft):		1.5				11				6				15.5			
Bottom Depth (ft):		2				11.5				12				16			
Hexachlorophene									U	4700	UG/KG	UJ					
Hexachloropropene									U	1800	UG/KG	R					
Indeno(1,2,3-cd)pyrene									U	900	UG/KG	UJ					
Isophorone									U	900	UG/KG	UJ					
Isosafrole									U	900	UG/KG	UJ					
Methapyrilene									U	3600	UG/KG	R					
Methyl methanesulfonate									U	900	UG/KG	UJ					
N-Nitroso-di-n-propylamine									U	900	UG/KG	UJ					
N-Nitrosodi-n-butylamine									U	1800	UG/KG	UJ					
N-Nitrosodiethylamine									U	900	UG/KG	UJ					
N-Nitrosodimethylamine									U	900	UG/KG	UJ					
N-Nitrosodiphenylamine									U	900	UG/KG	UJ					
N-Nitrosomethylethylamine									U	900	UG/KG	UJ					
N-Nitrosomorpholine									U	900	UG/KG	UJ					
N-Nitrosopiperidine									U	900	UG/KG	UJ					
N-Nitrosopyrrolidine									U	900	UG/KG	UJ					
Naphthalene									U	900	UG/KG	UJ					
Nitrobenzene									U	900	UG/KG	UJ					
O,O,O-Triethylphosphorothioate									U	900	UG/KG	R					
Pentachlorobenzene									U	1800	UG/KG	UJ					
Pentachloroethane									U	1800	UG/KG	UJ					

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1766		
Sample ID:	063024				063032				063033				063048		
Sample Date:	28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):	17				12				0				3.5		
Bottom Depth (ft):	17.5				20.7				20.7				4		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene					U	2100	UG/KG	UJ								
Hexachloropropene					U	820	UG/KG	R								
Indeno(1,2,3-cd)pyrene					U	400	UG/KG	U								
Isophorone					U	400	UG/KG	U								
Isosafrole					U	400	UG/KG	U								
Methapyrilene					U	1600	UG/KG	R								
Methyl methanesulfonate					U	400	UG/KG	UJ								
N-Nitroso-di-n-propylamine					U	400	UG/KG	U								
N-Nitrosodi-n-butylamine					U	820	UG/KG	U								
N-Nitrosodiethylamine					U	400	UG/KG	UJ								
N-Nitrosodimethylamine					U	400	UG/KG	U								
N-Nitrosodiphenylamine					U	400	UG/KG	U								
N-Nitrosomethylethylamine					U	400	UG/KG	UJ								
N-Nitrosomorpholine					U	400	UG/KG	UJ								
N-Nitrosopiperidine					U	400	UG/KG	U								
N-Nitrosopyrrolidine					U	400	UG/KG	UJ								
Naphthalene					U	400	UG/KG	U								
Nitrobenzene					U	400	UG/KG	U								
O,O,O-Triethylphosphorothioate					U	400	UG/KG	UJ								
Pentachlorobenzene					U	820	UG/KG	U								
Pentachloroethane					U	820	UG/KG	U								

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene	U	2200	UG/KG	UJ												
Hexachloropropene	U	850	UG/KG	R												
Indeno(1,2,3-cd)pyrene	U	420	UG/KG	U	U	480	UG/KG	U								
Isophorone	U	420	UG/KG	U	U	480	UG/KG	U								
Isosafrole	U	420	UG/KG	U												
Methapyrilene	U	1700	UG/KG	R												
Methyl methanesulfonate	U	420	UG/KG	UJ												
N-Nitroso-di-n-propylamine	U	420	UG/KG	U	U	480	UG/KG	U								
N-Nitrosodi-n-butylamine	U	850	UG/KG	U												
N-Nitrosodiethylamine	U	420	UG/KG	U												
N-Nitrosodimethylamine	U	420	UG/KG	UJ												
N-Nitrosodiphenylamine	U	420	UG/KG	U	U	480	UG/KG	U								
N-Nitrosomethylethylamine	U	420	UG/KG	U												
N-Nitrosomorpholine	U	420	UG/KG	UJ												
N-Nitrosopiperidine	U	420	UG/KG	U												
N-Nitrosopyrrolidine	U	420	UG/KG	UJ												
Naphthalene	U	420	UG/KG	U	U	480	UG/KG	U								
Nitrobenzene	U	420	UG/KG	U	U	480	UG/KG	U								
O,O,O-Triethylphosphorothioate	U	420	UG/KG	UJ	U	100	UG/KG	UJ								
Pentachlorobenzene	U	850	UG/KG	U												
Pentachloroethane	U	850	UG/KG	U												

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1765				1765		
Sample ID:	063071				063072				063088				063098		
Sample Date:	15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):	14				0				4				13		
Bottom Depth (ft):	20.5				20.5				4.5				13.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene													U	8300	UG/KG	UJ
Hexachloropropene													U	3300	UG/KG	R
Indeno(1,2,3-cd)pyrene	U	440	UG/KG	UJ									U	400	UG/KG	U
Isophorone	U	440	UG/KG	UJ									U	400	UG/KG	U
Isosafrole													U	1600	UG/KG	UJ
Methapyrilene													U	6500	UG/KG	R
Methyl methanesulfonate														1600	UG/KG	UJ
N-Nitroso-di-n-propylamine	U	440	UG/KG	UJ									U	400	UG/KG	U
N-Nitrosodi-n-butylamine													U	3300	UG/KG	UJ
N-Nitrosodiethylamine														1600	UG/KG	R
N-Nitrosodimethylamine														1600	UG/KG	UJ
N-Nitrosodiphenylamine	U	440	UG/KG	UJ									U	400	UG/KG	U
N-Nitrosomethylethylamine														1600	UG/KG	R
N-Nitrosomorpholine													U	1600	UG/KG	R
N-Nitrosopiperidine													U	1600	UG/KG	R
N-Nitrosopyrrolidine													U	1600	UG/KG	R
Naphthalene	U	440	UG/KG	UJ									U	400	UG/KG	U
Nitrobenzene	U	440	UG/KG	UJ									U	400	UG/KG	U
O,O,O-Triethylphosphorothioate													U	1600	UG/KG	UJ
Pentachlorobenzene													U	3300	UG/KG	UJ
Pentachloroethane													U	3300	UG/KG	UJ

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063107				063108				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				19				19.5				14		
Bottom Depth (ft):	14				19.5				20				22		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene													U	2900	UG/KG	R
Hexachloropropene													U	1100	UG/KG	R
Indeno(1,2,3-cd)pyrene	U	410	UG/KG	U									U	560	UG/KG	U
Isophorone	U	410	UG/KG	U									U	560	UG/KG	U
Isosafrole													U	560	UG/KG	R
Methapyrilene													U	2200	UG/KG	UJ
Methyl methanesulfonate													U	560	UG/KG	UJ
N-Nitroso-di-n-propylamine	U	410	UG/KG	U									U	560	UG/KG	U
N-Nitrosodi-n-butylamine													U	1100	UG/KG	R
N-Nitrosodiethylamine													U	560	UG/KG	R
N-Nitrosodimethylamine													U	560	UG/KG	R
N-Nitrosodiphenylamine	U	410	UG/KG	U									U	560	UG/KG	U
N-Nitrosomethylethylamine													U	560	UG/KG	R
N-Nitrosomorpholine													U	560	UG/KG	R
N-Nitrosopiperidine													U	560	UG/KG	R
N-Nitrosopyrrolidine													U	560	UG/KG	R
Naphthalene	U	410	UG/KG	U									U	560	UG/KG	U
Nitrobenzene	U	410	UG/KG	U									U	560	UG/KG	U
O,O,O-Triethylphosphorothioate	U	100	UG/KG	U									U	560	UG/KG	R
Pentachlorobenzene													U	1100	UG/KG	R
Pentachloroethane													U	1100	UG/KG	R

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1767			
Sample ID:	063004				063015				063017				063021			
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91			
Top Depth (ft):	1.5				11				6				15.5			
Bottom Depth (ft):	2				11.5				12				16			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene									U	1800	UG/KG	UJ				
Pentachlorophenol									U	4400	UG/KG	UJ				
Phenacetin									U	900	UG/KG	UJ				
Phenanthrene									U	900	UG/KG	UJ				
Phenol									U	900	UG/KG	UJ				
Phorate									U	100	UG/KG	U				
Pronamide									U	2700	UG/KG	UJ				
Pyrene									U	900	UG/KG	UJ				
Pyridine					U	27.5	UG/KG	UJ					U	12	UG/KG	R
Safrole									U	900	UG/KG	UJ				
Sulfotepp									U	100	UG/KG	U				
Tributyl phosphate																
a,a-Dimethylphenethylamine									U	900	UG/KG	UJ				
bis(2-Chloroethoxy)methane									U	900	UG/KG	UJ				
bis(2-Chloroethyl)ether									U	900	UG/KG	UJ				
bis(2-Chloroisopropyl) ether									U	900	UG/KG	UJ				
bis(2-Ethylhexyl) phthalate									U	900	UG/KG	UJ				
o-Toluidine									U	900	UG/KG	UJ				
p-Dimethylaminoazobenzene									U	2700	UG/KG	UJ				
p-Phenylenediamine									U	4600	UG/KG	UJ				
1,1,1,2-Tetrachloroethane					U	6.87	UG/KG	U					U	12	UG/KG	UJ

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1767				1767				1767				1766		
Sample ID:		063024				063032				063033				063048		
Sample Date:		28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):		17				12				0				3.5		
Bottom Depth (ft):		17.5				20.7				20.7				4		
Pentachloronitrobenzene					U	820	UG/KG	U								
Pentachlorophenol					U	2000	UG/KG	U								
Phenacetin					U	400	UG/KG	U								
Phenanthrene					U	400	UG/KG	U								
Phenol						420	UG/KG	-								
Phorate					U	100	UG/KG	U								
Pronamide					U	1200	UG/KG	U								
Pyrene					U	400	UG/KG	U								
Pyridine																
Safrole					U	400	UG/KG	U								
Sulfotepp					U	100	UG/KG	U								
Tributyl phosphate																
a,a-Dimethylphenethylamine					U	400	UG/KG	UJ								
bis(2-Chloroethoxy)methane					U	400	UG/KG	U								
bis(2-Chloroethyl)ether					U	400	UG/KG	U								
bis(2-Chloroisopropyl) ether					U	400	UG/KG	U								
bis(2-Ethylhexyl) phthalate					U	400	UG/KG	U								
o-Toluidine					U	400	UG/KG	UJ								
p-Dimethylaminoazobenzene					U	1200	UG/KG	U								
p-Phenylenediamine					U	2000	UG/KG	UJ								
1,1,1,2-Tetrachloroethane																

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene	U	850	UG/KG	U												
Pentachlorophenol	U	2000	UG/KG	U	U	2300	UG/KG	U								
Phenacetin	U	420	UG/KG	U												
Phenanthrene		1000	UG/KG	-	J	340	UG/KG	J								
Phenol	U	420	UG/KG	U	U	480	UG/KG	U								
Phorate					U	.1	UG/KG	UJ								
Pronamide	U	1300	UG/KG	U												
Pyrene	U	420	UG/KG	U	U	480	UG/KG	U								
Pyridine	U	24.6	UG/KG	U												
Safrole	U	420	UG/KG	U												
Sulfotepp	U	420	UG/KG	UJ	U	100	UG/KG	UJ								
Tributyl phosphate																
a,a-Dimethylphenethylamine	U	420	UG/KG	UJ												
bis(2-Chloroethoxy)methane	U	420	UG/KG	U	U	480	UG/KG	U								
bis(2-Chloroethyl)ether	U	420	UG/KG	U	U	480	UG/KG	U								
bis(2-Chloroisopropyl) ether	U	420	UG/KG	U	U	480	UG/KG	U								
bis(2-Ethylhexyl) phthalate	U	420	UG/KG	U	J	320	UG/KG	J								
o-Toluidine	U	420	UG/KG	R												
p-Dimethylaminoazobenzene	U	1300	UG/KG	U												
p-Phenylenediamine	U	2100	UG/KG	UJ												
1,1,1,2-Tetrachloroethane	U	6.14	UG/KG	U												

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1766				1766				1765				1765		
Sample ID:		063071				063072				063088				063098		
Sample Date:		15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):		14				0				4				13		
Bottom Depth (ft):		20.5				20.5				4.5				13.5		
Pentachloronitrobenzene													U	3300	UG/KG	UJ
Pentachlorophenol	U	2100	UG/KG	UJ									U	2000	UG/KG	U
Phenacetin													U	1600	UG/KG	UJ
Phenanthrene		990	UG/KG	J									J	290	UG/KG	J
Phenol	U	440	UG/KG	UJ									U	400	UG/KG	U
Phorate																
Pronamide													U	4900	UG/KG	UJ
Pyrene	U	440	UG/KG	UJ									U	400	UG/KG	U
Pyridine													U	25	UG/KG	UJ
Safrole													U	1600	UG/KG	UJ
Sulfotepp														1600	UG/KG	UJ
Tributyl phosphate														14000	UG/KG	-
a,a-Dimethylphenethylamine													U	1600	UG/KG	UJ
bis(2-Chloroethoxy)methane	U	440	UG/KG	UJ									U	400	UG/KG	U
bis(2-Chloroethyl)ether	U	440	UG/KG	UJ									U	400	UG/KG	U
bis(2-Chloroisopropyl) ether	U	440	UG/KG	UJ									U	400	UG/KG	U
bis(2-Ethylhexyl) phthalate	J	330	UG/KG	J									J	59	UG/KG	J
o-Toluidine													U	1600	UG/KG	UJ
p-Dimethylaminoazobenzene													U	4900	UG/KG	UJ
p-Phenylenediamine													U	8200	UG/KG	R
1,1,1,2-Tetrachloroethane													U	6.24	UG/KG	U

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765			
Sample ID:	063100				063107				063108				063112			
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91			
Top Depth (ft):	7				19				19.5				14			
Bottom Depth (ft):	14				19.5				20				22			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene													U	1100	UG/KG	R
Pentachlorophenol	U	2000	UG/KG	U									U	2700	UG/KG	U
Phenacetin													U	560	UG/KG	R
Phenanthrene		2100	UG/KG	-									U	560	UG/KG	U
Phenol	U	410	UG/KG	U									U	560	UG/KG	U
Phorate	U	100	UG/KG	U									U	100	UG/KG	U
Pronamide													U	1700	UG/KG	R
Pyrene		490	UG/KG	-									U	560	UG/KG	U
Pyridine																
Safrole													U	560	UG/KG	R
Sulfotepp	U	100	UG/KG	U									U	100	UG/KG	UJ
Tributyl phosphate		25000	UG/KG	-										2800	UG/KG	-
a,a-Dimethylphenethylamine													U	560	UG/KG	R
bis(2-Chloroethoxy)methane	U	410	UG/KG	U									U	560	UG/KG	U
bis(2-Chloroethyl)ether	U	410	UG/KG	U									U	560	UG/KG	U
bis(2-Chloroisopropyl) ether	U	410	UG/KG	U									U	560	UG/KG	U
bis(2-Ethylhexyl) phthalate	J	350	UG/KG	J									U	560	UG/KG	U
o-Toluidine													U	560	UG/KG	R
p-Dimethylaminoazobenzene													U	1700	UG/KG	R
p-Phenylenediamine													U	2800	UG/KG	R
1,1,1,2-Tetrachloroethane																

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Well/Boring:	1767				1767				1767				1767		
Sample ID:	063004				063015				063017				063021		
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91		
Top Depth (ft):	1.5				11				6				15.5		
Bottom Depth (ft):	2				11.5				12				16		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane	U	5	UG/KG	UJ	U	7	UG/KG	UJ					U	6	UG/KG	UJ
1,1,2,2-Tetrachloroethane	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
1,1,2-Trichloroethane	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
1,1-Dichloroethane	U	5	UG/KG	U	J	2	UG/KG	J					J	2	UG/KG	UJ
1,1-Dichloroethene	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
1,2,3-Trichloropropane					U	6.87	UG/KG	U					U	12	UG/KG	UJ
1,2-Dibromo-3-chloropropane					U	13.7	UG/KG	U					U	12	UG/KG	UJ
1,2-Dibromoethane					U	6.87	UG/KG	U					U	12	UG/KG	UJ
1,2-Dichloroethane	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
1,2-Dichloroethene (total)																
1,2-Dichloroethylene	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
1,2-Dichloropropane	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
1,4-Dioxane					J	57.7	UG/KG	J					J	42	UG/KG	J
2-Butanone	U	11	UG/KG	U	U	14	UG/KG	U						14	UG/KG	J
2-Chloro-1,3-butadiene					U	6.87	UG/KG	U					U	12	UG/KG	UJ
2-Hexanone	U	11	UG/KG	U	J	3	UG/KG	J					J	3	UG/KG	J
3-Chloropropene					U	6.87	UG/KG	U					U	12	UG/KG	UJ
4-Methyl-2-pentanone	U	11	UG/KG	U	J	5	UG/KG	J					J	8	UG/KG	J
Acetone	BJ	11	UG/KG	UJ	B	89	UG/KG	-						46	UG/KG	J
Acetonitrile					U	1370	UG/KG	U					U	24	UG/KG	UJ
Acrolein					U	13.7	UG/KG	U					U	24	UG/KG	UJ

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Pit Material Organic Results

Well/Boring:	1767				1767				1767				1766		
Sample ID:	063024				063032				063033				063048		
Sample Date:	28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):	17				12				0				3.5		
Bottom Depth (ft):	17.5				20.7				20.7				4		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane													U	6	UG/KG	U
1,1,2,2-Tetrachloroethane													U	6	UG/KG	U
1,1,2-Trichloroethane													U	6	UG/KG	U
1,1-Dichloroethane													U	6	UG/KG	U
1,1-Dichloroethene													U	6	UG/KG	U
1,2,3-Trichloropropane																
1,2-Dibromo-3-chloropropane																
1,2-Dibromoethane																
1,2-Dichloroethane													U	6	UG/KG	U
1,2-Dichloroethene (total)																
1,2-Dichloroethylene													U	6	UG/KG	U
1,2-Dichloropropane													U	6	UG/KG	U
1,4-Dioxane																
2-Butanone													U	11	UG/KG	UJ
2-Chloro-1,3-butadiene																
2-Hexanone													U	11	UG/KG	UJ
3-Chloropropene																
4-Methyl-2-pentanone													U	11	UG/KG	U
Acetone													B	17	UG/KG	UJ
Acetonitrile																
Acrolein																

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane		14	UG/KG	-						120	UG/KG	-				
1,1,2,2-Tetrachloroethane	U	6	UG/KG	U					U	7	UG/KG	U				
1,1,2-Trichloroethane	U	6	UG/KG	U					U	7	UG/KG	U				
1,1-Dichloroethane	U	6	UG/KG	U					U	7	UG/KG	U				
1,1-Dichloroethene	U	6	UG/KG	U					U	7	UG/KG	U				
1,2,3-Trichloropropane	U	6.14	UG/KG	U												
1,2-Dibromo-3-chloropropane	U	12.3	UG/KG	U												
1,2-Dibromoethane	U	6.14	UG/KG	U												
1,2-Dichloroethane	U	6	UG/KG	U					U	7	UG/KG	U				
1,2-Dichloroethene (total)																
1,2-Dichloroethylene	U	6	UG/KG	U					U	7	UG/KG	U				
1,2-Dichloropropane	U	6	UG/KG	U					U	7	UG/KG	U				
1,4-Dioxane	U	6140	UG/KG	U												
2-Butanone		29	UG/KG	J					B	17	UG/KG	UJ				
2-Chloro-1,3-butadiene	U	6.14	UG/KG	U												
2-Hexanone	U	12	UG/KG	U					J	10	UG/KG	J				
3-Chloropropene	U	6.14	UG/KG	U												
4-Methyl-2-pentanone	J	3	UG/KG	J					J	5	UG/KG	J				
Acetone	B	170	UG/KG	J					B	24	UG/KG	UJ				
Acetonitrile	U	1230	UG/KG	U												
Acrolein	U	12.3	UG/KG	U												

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1765				1765		
Sample ID:	063071				063072				063088				063098		
Sample Date:	15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):	14				0				4				13		
Bottom Depth (ft):	20.5				20.5				4.5				13.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane									J	6	UG/KG	J	J	3	UG/KG	J
1,1,2,2-Tetrachloroethane									U	6	UG/KG	UJ	U	6	UG/KG	U
1,1,2-Trichloroethane									U	6	UG/KG	UJ	U	6	UG/KG	U
1,1-Dichloroethane									U	6	UG/KG	UJ	U	6	UG/KG	U
1,1-Dichloroethene									U	6	UG/KG	UJ	U	6	UG/KG	U
1,2,3-Trichloropropane													U	6.24	UG/KG	U
1,2-Dibromo-3-chloropropane													U	12.5	UG/KG	UJ
1,2-Dibromoethane													U	6.24	UG/KG	UJ
1,2-Dichloroethane									U	6	UG/KG	UJ	U	6	UG/KG	U
1,2-Dichloroethene (total)																
1,2-Dichloroethylene									U	6	UG/KG	UJ	U	6	UG/KG	UJ
1,2-Dichloropropane									U	6	UG/KG	UJ	U	6	UG/KG	U
1,4-Dioxane													U	6240	UG/KG	UJ
2-Butanone									U	12	UG/KG	UJ	J	2	UG/KG	J
2-Chloro-1,3-butadiene													U	6.24	UG/KG	UJ
2-Hexanone									U	12	UG/KG	UJ	U	12	UG/KG	U
3-Chloropropene													U	6.24	UG/KG	U
4-Methyl-2-pentanone									U	12	UG/KG	UJ	J	4	UG/KG	J
Acetone									BJ	12	UG/KG	R	BJ	10	UG/KG	UJ
Acetonitrile													U	1250	UG/KG	U
Acrolein													U	12.5	UG/KG	UJ

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1765				1765				1765				1765		
Sample ID:		063100				063107				063108				063112		
Sample Date:		18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):		7				19				19.5				14		
Bottom Depth (ft):		14				19.5				20				22		
1,1,1-Trichloroethane						13	UG/KG	-								
1,1,2,2-Tetrachloroethane					U	8	UG/KG	U								
1,1,2-Trichloroethane					U	8	UG/KG	U								
1,1-Dichloroethane						33	UG/KG	-								
1,1-Dichloroethene						16	UG/KG	-								
1,2,3-Trichloropropane																
1,2-Dibromo-3-chloropropane																
1,2-Dibromoethane																
1,2-Dichloroethane					U	8	UG/KG	U								
1,2-Dichloroethene (total)																
1,2-Dichloroethylene					U	8	UG/KG	U								
1,2-Dichloropropane					U	8	UG/KG	U								
1,4-Dioxane																
2-Butanone					B	19	UG/KG	UJ								
2-Chloro-1,3-butadiene																
2-Hexanone					U	17	UG/KG	U								
3-Chloropropene																
4-Methyl-2-pentanone					BJ	8	UG/KG	UJ								
Acetone					B	85	UG/KG	J								
Acetonitrile																
Acrolein																

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1767			
Sample ID:	063004				063015				063017				063021			
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91			
Top Depth (ft):	1.5				11				6				15.5			
Bottom Depth (ft):	2				11.5				12				16			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile					U	13.7	UG/KG	UJ					U	24	UG/KG	R
Benzene	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Bromodichloromethane	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Bromoform	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	U
Bromomethane	U	11	UG/KG	U	U	14	UG/KG	U					U	12	UG/KG	UJ
Carbon Tetrachloride	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Carbon disulfide	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Chlorobenzene	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Chloroethane	U	11	UG/KG	U	U	14	UG/KG	U					U	12	UG/KG	UJ
Chloroform	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Chloromethane	U	11	UG/KG	U	U	14	UG/KG	U					U	12	UG/KG	UJ
Dibromochloromethane	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Dibromomethane					U	13.7	UG/KG	U					U	12	UG/KG	UJ
Dichlorodifluoromethane					U	275	UG/KG	UJ					U	240	UG/KG	R
Ethyl cyanide					U	137	UG/KG	U					U	12	UG/KG	UJ
Ethyl methacrylate					U	13.7	UG/KG	U					U	12	UG/KG	UJ
Ethylbenzene	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Iodomethane					U	6.87	UG/KG	U					U	12	UG/KG	UJ
Isobutyl alcohol					U	27.5	UG/KG	UJ					U	240	UG/KG	R
Methacrylonitrile					U	13.7	UG/KG	U					U	12	UG/KG	UJ
Methyl methacrylate					U	13.7	UG/KG	U					U	12	UG/KG	UJ

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1767				1767				1767				1766		
Sample ID:		063024				063032				063033				063048		
Sample Date:		28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):		17				12				0				3.5		
Bottom Depth (ft):		17.5				20.7				20.7				4		
Acrylonitrile																
Benzene													U	6	UG/KG	U
Bromodichloromethane													U	6	UG/KG	U
Bromoform													U	6	UG/KG	U
Bromomethane													U	11	UG/KG	U
Carbon Tetrachloride													U	6	UG/KG	U
Carbon disulfide													U	6	UG/KG	U
Chlorobenzene													U	6	UG/KG	U
Chloroethane													U	11	UG/KG	U
Chloroform													J	1	UG/KG	J
Chloromethane													U	11	UG/KG	U
Dibromochloromethane													U	6	UG/KG	U
Dibromomethane																
Dichlorodifluoromethane																
Ethyl cyanide																
Ethyl methacrylate																
Ethylbenzene													U	6	UG/KG	U
Iodomethane																
Isobutyl alcohol																
Methacrylonitrile																
Methyl methacrylate																

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Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile	U	12.3	UG/KG	U												
Benzene	U	6	UG/KG	U					U	7	UG/KG	U				
Bromodichloromethane	U	6	UG/KG	U					U	7	UG/KG	U				
Bromoform	U	6	UG/KG	U					U	7	UG/KG	U				
Bromomethane	U	12	UG/KG	U					U	13	UG/KG	U				
Carbon Tetrachloride	U	6	UG/KG	U					J	2	UG/KG	J				
Carbon disulfide	U	6	UG/KG	U					U	7	UG/KG	U				
Chlorobenzene	U	6	UG/KG	U					U	7	UG/KG	U				
Chloroethane	U	12	UG/KG	U					U	13	UG/KG	U				
Chloroform	D	150	UG/KG	-					D	600	UG/KG	J				
Chloromethane	U	12	UG/KG	U					U	13	UG/KG	U				
Dibromochloromethane	U	6	UG/KG	U					U	7	UG/KG	U				
Dibromomethane	U	12.3	UG/KG	U												
Dichlorodifluoromethane		29600	UG/KG	-												
Ethyl cyanide	U	123	UG/KG	U												
Ethyl methacrylate	U	12.3	UG/KG	U												
Ethylbenzene	D	220	UG/KG	-					J	3	UG/KG	J				
Iodomethane	U	6.14	UG/KG	U												
Isobutyl alcohol	U	24.6	UG/KG	U												
Methacrylonitrile	U	12.3	UG/KG	U												
Methyl methacrylate	U	12.3	UG/KG	U												

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1766				1766				1765				1765		
Sample ID:		063071				063072				063088				063098		
Sample Date:		15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91		
Top Depth (ft):		14				0				4				13		
Bottom Depth (ft):		20.5				20.5				4.5				13.5		
Acrylonitrile													U	12.5	UG/KG	R
Benzene									U	6	UG/KG	UJ	U	6	UG/KG	U
Bromodichloromethane									U	6	UG/KG	UJ	U	6	UG/KG	U
Bromoform									U	6	UG/KG	UJ	U	6	UG/KG	U
Bromomethane									U	12	UG/KG	UJ	U	12	UG/KG	U
Carbon Tetrachloride									U	6	UG/KG	UJ	U	6	UG/KG	U
Carbon disulfide									U	6	UG/KG	UJ	U	6	UG/KG	U
Chlorobenzene									U	6	UG/KG	UJ	U	6	UG/KG	U
Chloroethane									U	12	UG/KG	UJ	U	12	UG/KG	U
Chloroform										9	UG/KG	J		110	UG/KG	-
Chloromethane									U	12	UG/KG	UJ	U	12	UG/KG	U
Dibromochloromethane									U	6	UG/KG	UJ	U	6	UG/KG	U
Dibromomethane													U	12.5	UG/KG	U
Dichlorodifluoromethane													U	250	UG/KG	R
Ethyl cyanide													U	125	UG/KG	UJ
Ethyl methacrylate													U	12.5	UG/KG	U
Ethylbenzene									U	6	UG/KG	UJ	J	5	UG/KG	J
Iodomethane													U	6.24	UG/KG	U
Isobutyl alcohol													U	25	UG/KG	UJ
Methacrylonitrile													U	12.5	UG/KG	UJ
Methyl methacrylate													U	12.5	UG/KG	UJ

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1765				1765				1765				1765		
Sample ID:		063100				063107				063108				063112		
Sample Date:		18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):		7				19				19.5				14		
Bottom Depth (ft):		14				19.5				20				22		
Acrylonitrile																
Benzene					U	8	UG/KG	UJ								
Bromodichloromethane					U	8	UG/KG	U								
Bromoform					U	8	UG/KG	U								
Bromomethane					U	17	UG/KG	U								
Carbon Tetrachloride					U	8	UG/KG	U								
Carbon disulfide					U	8	UG/KG	U								
Chlorobenzene					U	8	UG/KG	UJ								
Chloroethane					U	17	UG/KG	U								
Chloroform						11	UG/KG	-								
Chloromethane					U	17	UG/KG	UJ								
Dibromochloromethane					U	8	UG/KG	U								
Dibromomethane																
Dichlorodifluoromethane																
Ethyl cyanide																
Ethyl methacrylate																
Ethylbenzene						72	UG/KG	J								
Iodomethane																
Isobutyl alcohol																
Methacrylonitrile																
Methyl methacrylate																

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Pit Material Organic Results

Well/Boring:	1767				1767				1767				1767			
Sample ID:	063004				063015				063017				063021			
Sample Date:	25-JUN-91				27-JUN-91				27-JUN-91				28-JUN-91			
Top Depth (ft):	1.5				11				6				15.5			
Bottom Depth (ft):	2				11.5				12				16			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride	B	11	UG/KG	U	BJ	6	UG/KG	U					BJ	6	UG/KG	UJ
Styrene	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Tetrachlorethene	J	4	UG/KG	J	U	7	UG/KG	U					U	6	UG/KG	UJ
Toluene	U	5	UG/KG	U	J	2	UG/KG	J					U	6	UG/KG	UJ
Total xylenes	J	3	UG/KG	J	J	5	UG/KG	J					U	6	UG/KG	UJ
Trichloroethene	U	5	UG/KG	U	U	7	UG/KG	U					U	6	UG/KG	UJ
Trichlorofluoromethane					BJ	4.09	UG/KG	UJ					U	12	UG/KG	UJ
Vinyl Acetate	U	11	UG/KG	UJ	U	14	UG/KG	UJ					U	12	UG/KG	UJ
Vinyl chloride	U	11	UG/KG	U	U	14	UG/KG	U					U	12	UG/KG	UJ
cis-1,3-Dichloropropene	U	5	UG/KG	U	U	7	UG/KG	UJ					U	6	UG/KG	UJ
trans-1,3-Dichloropropene	U	5	UG/KG	U	U	7	UG/KG	UJ					U	6	UG/KG	UJ
trans-1,4-Dichloro-2-butene					U	137	UG/KG	U					U	12	UG/KG	R
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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Pit Material Organic Results

Well/Boring:	1767				1767				1767				1766			
Sample ID:	063024				063032				063033				063048			
Sample Date:	28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91			
Top Depth (ft):	17				12				0				3.5			
Bottom Depth (ft):	17.5				20.7				20.7				4			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride													B	19	UG/KG	U
Styrene													U	6	UG/KG	U
Tetrachlorethene														50	UG/KG	-
Toluene													U	6	UG/KG	U
Total xylenes													J	5	UG/KG	J
Trichloroethene													U	6	UG/KG	U
Trichlorofluoromethane																
Vinyl Acetate													U	11	UG/KG	U
Vinyl chloride													U	11	UG/KG	U
cis-1,3-Dichloropropene													U	6	UG/KG	U
trans-1,3-Dichloropropene													U	6	UG/KG	U
trans-1,4-Dichloro-2-butene																
2,4,5-TP (Silvex)									U	1.8	UG/L	U Y				
2,4-D									U	10	UG/L	U Y				
4,4-DDD									U	.1	UG/L	UJ Y				
4,4-DDE									U	.1	UG/L	UJ Y				
4,4-DDT									U	.1	UG/L	UJ Y				
Aldrin									U	.05	UG/L	UJ Y				
Aroclor-1016									U	.5	UG/L	UJ Y				
Aroclor-1221									U	.5	UG/L	UJ Y				
Aroclor-1232									U	.5	UG/L	UJ Y				

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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766			
Sample ID:	063060				063061				063064				063065			
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91			
Top Depth (ft):	13.5				7				17				17.5			
Bottom Depth (ft):	14				14				17.5				18			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride	B	12	UG/KG	U					B	24	UG/KG	U				
Styrene	U	6	UG/KG	U					U	7	UG/KG	U				
Tetrachlorethene	D	650	UG/KG	-						150	UG/KG	-				
Toluene		49	UG/KG	-					B	13	UG/KG	U				
Total xylenes	D	1100	UG/KG	-						24	UG/KG	-				
Trichloroethene	J	4	UG/KG	J						27	UG/KG	-				
Trichlorofluoromethane	U	6.14	UG/KG	U												
Vinyl Acetate	U	12	UG/KG	U					U	13	UG/KG	U				
Vinyl chloride	U	12	UG/KG	U					U	13	UG/KG	U				
cis-1,3-Dichloropropene	U	6	UG/KG	U					U	7	UG/KG	U				
trans-1,3-Dichloropropene	U	6	UG/KG	U					U	7	UG/KG	U				
trans-1,4-Dichloro-2-butene	U	123	UG/KG	U												
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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Pit Material Organic Results

Well/Boring:	1766				1766				1765				1765			
Sample ID:	063071				063072				063088				063098			
Sample Date:	15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91			
Top Depth (ft):	14				0				4				13			
Bottom Depth (ft):	20.5				20.5				4.5				13.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride									BJ	6	UG/KG	UJ	BJ	6	UG/KG	U
Styrene									U	6	UG/KG	UJ	U	6	UG/KG	U
Tetrachlorethene										210	UG/KG	J		10	UG/KG	-
Toluene									J	4	UG/KG	J	J	5	UG/KG	J
Total xylenes									B	12	UG/KG	J	B	190	UG/KG	J
Trichloroethene									J	4	UG/KG	J	U	6	UG/KG	U
Trichlorofluoromethane													U	6.24	UG/KG	U
Vinyl Acetate									U	12	UG/KG	UJ	U	12	UG/KG	U
Vinyl chloride									U	12	UG/KG	UJ	U	12	UG/KG	U
cis-1,3-Dichloropropene									U	6	UG/KG	UJ	U	6	UG/KG	UJ
trans-1,3-Dichloropropene									U	6	UG/KG	UJ	U	6	UG/KG	UJ
trans-1,4-Dichloro-2-butene													U	125	UG/KG	UJ
2,4,5-TP (Silvex)					U	1.8	UG/L	U	Y							
2,4-D					U	10	UG/L	U	Y							
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1765					1765					1765					1765			
Sample ID:		063100					063107					063108					063112			
Sample Date:		18-JUL-91					25-JUL-91					25-JUL-91					25-JUL-91			
Top Depth (ft):		7					19					19.5					14			
Bottom Depth (ft):		14					19.5					20					22			
Methylene chloride						B	26	UG/KG	-											
Styrene						U	8	UG/KG	UJ											
Tetrachlorethene						U	8	UG/KG	U											
Toluene						J	3	UG/KG	J											
Total xylenes							320	UG/KG	J											
Trichloroethene						U	8	UG/KG	U											
Trichlorofluoromethane																				
Vinyl Acetate						U	17	UG/KG	U											
Vinyl chloride						U	17	UG/KG	U											
cis-1,3-Dichloropropene						U	8	UG/KG	U											
trans-1,3-Dichloropropene						U	8	UG/KG	U											
trans-1,4-Dichloro-2-butene																				
2,4,5-TP (Silvex)																				
2,4-D																				
4,4-DDD																				
4,4-DDE																				
4,4-DDT																				
Aldrin																				
Aroclor-1016																				
Aroclor-1221																				
Aroclor-1232																				

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Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
Methylene chloride					
Styrene					
Tetrachlorethene					
Toluene					
Total xylenes					
Trichloroethene					
Trichlorofluoromethane					
Vinyl Acetate					
Vinyl chloride					
cis-1,3-Dichloropropene					
trans-1,3-Dichloropropene					
trans-1,4-Dichloro-2-butene					
2,4,5-TP (Silvex)					
2,4-D					
4,4-DDD	U	.5	UG/L	U	Y
4,4-DDE	U	.5	UG/L	U	Y
4,4-DDT	U	.5	UG/L	U	Y
Aldrin	U	.25	UG/L	U	Y
Aroclor-1016	U	2.5	UG/L	U	Y
Aroclor-1221	U	2.5	UG/L	U	Y
Aroclor-1232	U	2.5	UG/L	U	Y

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1767					1767					1767					1766			
Sample ID:		063024					063032					063033					063048			
Sample Date:		28-JUN-91					30-JUN-91					30-JUN-91					13-JUL-91			
Top Depth (ft):		17					12					0					3.5			
Bottom Depth (ft):		17.5					20.7					20.7					4			
Aroclor-1242											U	.5	UG/L	UJ	Y					
Aroclor-1248											U	.5	UG/L	UJ	Y					
Aroclor-1254											U	1	UG/L	UJ	Y					
Aroclor-1260											U	1	UG/L	UJ	Y					
Dieldrin											U	.1	UG/L	UJ	Y					
Endosulfan II											U	.1	UG/L	UJ	Y					
Endosulfan sulfate											U	.1	UG/L	UJ	Y					
Endosulfan-I											U	.05	UG/L	UJ	Y					
Endrin											U	.1	UG/L	UJ	Y					
Endrin ketone											U	.1	UG/L	UJ	Y					
Heptachlor											U	.05	UG/L	UJ	Y					
Heptachlor epoxide											U	.05	UG/L	UJ	Y					
Methoxychlor											U	.5	UG/L	UJ	Y					
Toxaphene											U	1	UG/L	UJ	Y					
alpha-BHC											U	.05	UG/L	UJ	Y					
alpha-Chlordane											U	.5	UG/L	UJ	Y					
beta-BHC											U	.05	UG/L	UJ	Y					
delta-BHC											U	.05	UG/L	UJ	Y					
gamma-BHC (Lindane)											U	.05	UG/L	UJ	Y					
gamma-Chlordane											U	.5	UG/L	UJ	Y					
1,2,4-Trichlorobenzene											U	20	UG/L	U	Y					

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1766					1766					1765					1765			
Sample ID:		063071					063072					063088					063098			
Sample Date:		15-JUL-91					15-JUL-91					17-JUL-91					18-JUL-91			
Top Depth (ft):		14					0					4					13			
Bottom Depth (ft):		20.5					20.5					4.5					13.5			
Aroclor-1242																				
Aroclor-1248																				
Aroclor-1254																				
Aroclor-1260																				
Dieldrin																				
Endosulfan II																				
Endosulfan sulfate																				
Endosulfan-I																				
Endrin						U	.1	UG/L	U	Y										
Endrin ketone																				
Heptachlor						U	.05	UG/L	U	Y										
Heptachlor epoxide						U	.05	UG/L	U	Y										
Methoxychlor						U	.5	UG/L	U	Y										
Toxaphene						U	1	UG/L	U	Y										
alpha-BHC																				
alpha-Chlordane						U	.5	UG/L	U	Y										
beta-BHC																				
delta-BHC																				
gamma-BHC (Lindane)						U	.05	UG/L	U	Y										
gamma-Chlordane						U	.5	UG/L	U	Y										
1,2,4-Trichlorobenzene																				

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
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Submittal Date: 08-Feb-94
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Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
Aroclor-1242	U	2.5	UG/L	U	Y
Aroclor-1248	U	2.5	UG/L	U	Y
Aroclor-1254	U	5	UG/L	U	Y
Aroclor-1260	U	5	UG/L	U	Y
Dieldrin	U	.5	UG/L	U	Y
Endosulfan II	U	.5	UG/L	U	Y
Endosulfan sulfate	U	.5	UG/L	U	Y
Endosulfan-I	U	.25	UG/L	U	Y
Endrin	U	.5	UG/L	U	Y
Endrin ketone	U	.5	UG/L	U	Y
Heptachlor	U	.25	UG/L	U	Y
Heptachlor epoxide	U	.25	UG/L	U	Y
Methoxychlor	U	2.5	UG/L	U	Y
Toxaphene	U	5	UG/L	U	Y
alpha-BHC	U	.25	UG/L	U	Y
alpha-Chlordane	U	2.5	UG/L	U	Y
beta-BHC	U	.25	UG/L	U	Y
delta-BHC	U	.25	UG/L	U	Y
gamma-BHC (Lindane)	U	.25	UG/L	U	Y
gamma-Chlordane	U	2.5	UG/L	U	Y
1,2,4-Trichlorobenzene	U	20	UG/L	UJ	Y

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1766			
Sample ID:	063024				063032				063033				063048			
Sample Date:	28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91			
Top Depth (ft):	17				12				0				3.5			
Bottom Depth (ft):	17.5				20.7				20.7				4			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-Dichlorobenzene									U	20	UG/L	U	Y			
1,3-Dichlorobenzene									U	20	UG/L	U	Y			
1,4-Dichlorobenzene									U	20	UG/L	U	Y			
2,4,5-Trichlorophenol									U	100	UG/L	U	Y			
2,4,6-Trichlorophenol									U	20	UG/L	U	Y			
2,4-Dichlorophenol									U	20	UG/L	U	Y			
2,4-Dimethylphenol									U	20	UG/L	UJ	Y			
2,4-Dinitrophenol									U	100	UG/L	UJ	Y			
2,4-Dinitrotoluene									U	20	UG/L	U	Y			
2,6-Dinitrotoluene									U	20	UG/L	U	Y			
2-Chloronaphthalene									U	20	UG/L	U	Y			
2-Chlorophenol									U	20	UG/L	U	Y			
2-Methylnaphthalene									U	20	UG/L	U	Y			
2-Methylphenol									U	20	UG/L	U	Y			
2-Nitroaniline									U	100	UG/L	U	Y			
2-Nitrophenol									U	20	UG/L	U	Y			
3,3'-Dichlorobenzidine									U	40	UG/L	UJ	Y			
3-Methylphenol																
3-Nitroaniline									U	100	UG/L	UJ	Y			
4,6-Dinitro-2-methylphenol									U	100	UG/L	UJ	Y			
4-Bromophenyl phenyl ether									U	20	UG/L	U	Y			

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VQ - Validated Qualifier (See list at front of Appendices)
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1766				1766				1765				1765			
Sample ID:		063071				063072				063088				063098			
Sample Date:		15-JUL-91				15-JUL-91				17-JUL-91				18-JUL-91			
Top Depth (ft):		14				0				4				13			
Bottom Depth (ft):		20.5				20.5				4.5				13.5			
1,2-Dichlorobenzene																	
1,3-Dichlorobenzene																	
1,4-Dichlorobenzene					U	20	UG/L	U	Y								
2,4,5-Trichlorophenol					U	100	UG/L	U	Y								
2,4,6-Trichlorophenol					U	20	UG/L	U	Y								
2,4-Dichlorophenol																	
2,4-Dimethylphenol																	
2,4-Dinitrophenol																	
2,4-Dinitrotoluene					U	20	UG/L	U	Y								
2,6-Dinitrotoluene																	
2-Chloronaphthalene																	
2-Chlorophenol																	
2-Methylnaphthalene																	
2-Methylphenol					U	20	UG/L	U	Y								
2-Nitroaniline																	
2-Nitrophenol																	
3,3'-Dichlorobenzidine																	
3-Methylphenol					U	20	UG/L	U	Y								
3-Nitroaniline																	
4,6-Dinitro-2-methylphenol																	
4-Bromophenyl phenyl ether																	

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
1,2-Dichlorobenzene	U	20	UG/L	U	Y
1,3-Dichlorobenzene	U	20	UG/L	U	Y
1,4-Dichlorobenzene	U	20	UG/L	U	Y
2,4,5-Trichlorophenol	U	100	UG/L	U	Y
2,4,6-Trichlorophenol	U	20	UG/L	U	Y
2,4-Dichlorophenol	U	20	UG/L	U	Y
2,4-Dimethylphenol	U	20	UG/L	U	Y
2,4-Dinitrophenol	U	100	UG/L	UJ	Y
2,4-Dinitrotoluene	U	20	UG/L	U	Y
2,6-Dinitrotoluene	U	20	UG/L	U	Y
2-Chloronaphthalene	U	20	UG/L	U	Y
2-Chlorophenol	U	20	UG/L	U	Y
2-Methylnaphthalene	U	20	UG/L	U	Y
2-Methylphenol	U	20	UG/L	U	Y
2-Nitroaniline	U	100	UG/L	UJ	Y
2-Nitrophenol	U	20	UG/L	U	Y
3,3'-Dichlorobenzidine	U	40	UG/L	UJ	Y
3-Methylphenol					
3-Nitroaniline	U	100	UG/L	R	Y
4,6-Dinitro-2-methylphenol	U	100	UG/L	UJ	Y
4-Bromophenyl phenyl ether	U	20	UG/L	U	Y

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VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1767					1767					1767					1766			
Sample ID:		063024					063032					063033					063048			
Sample Date:		28-JUN-91					30-JUN-91					30-JUN-91					13-JUL-91			
Top Depth (ft):		17					12					0					3.5			
Bottom Depth (ft):		17.5					20.7					20.7					4			
4-Chloro-3-methylphenol						U	20	UG/L	U	Y										
4-Chloroaniline						U	20	UG/L	U	Y										
4-Chlorophenylphenyl ether						U	20	UG/L	U	Y										
4-Methylphenol						U	20	UG/L	U	Y										
4-Nitroaniline						U	100	UG/L	U	Y										
4-Nitrophenol						U	100	UG/L	U	Y										
Acenaphthene						U	20	UG/L	U	Y										
Acenaphthylene						U	20	UG/L	U	Y										
Anthracene						U	20	UG/L	U	Y										
Benzo(a)anthracene						U	20	UG/L	U	Y										
Benzo(a)pyrene						U	20	UG/L	U	Y										
Benzo(b)fluoranthene						U	20	UG/L	U	Y										
Benzo(g,h,i)perylene						U	20	UG/L	UJ	Y										
Benzo(k)fluoranthene						U	20	UG/L	U	Y										
Benzoic acid						U	100	UG/L	UJ	Y										
Benzyl alcohol						U	20	UG/L	U	Y										
Butyl benzyl phthalate						U	20	UG/L	U	Y										
Chrysene						U	20	UG/L	U	Y										
Di-n-butyl phthalate						U	20	UG/L	U	Y										
Di-n-octyl phthalate						U	20	UG/L	U	Y										
Dibenzo(a,h)anthracene						U	20	UG/L	U	Y										

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Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1766					1766					1765					1765			
Sample ID:		063071					063072					063088					063098			
Sample Date:		15-JUL-91					15-JUL-91					17-JUL-91					18-JUL-91			
Top Depth (ft):		14					0					4					13			
Bottom Depth (ft):		20.5					20.5					4.5					13.5			
4-Chloro-3-methylphenol																				
4-Chloroaniline																				
4-Chlorophenylphenyl ether																				
4-Methylphenol						U	20	UG/L	U	Y										
4-Nitroaniline																				
4-Nitrophenol																				
Acenaphthene																				
Acenaphthylene																				
Anthracene																				
Benzo(a)anthracene																				
Benzo(a)pyrene																				
Benzo(b)fluoranthene																				
Benzo(g,h,i)perylene																				
Benzo(k)fluoranthene																				
Benzoic acid																				
Benzyl alcohol																				
Butyl benzyl phthalate																				
Chrysene																				
Di-n-butyl phthalate																				
Di-n-octyl phthalate																				
Dibenzo(a,h)anthracene																				

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
4-Chloro-3-methylphenol	U	20	UG/L	U	Y
4-Chloroaniline	U	20	UG/L	UJ	Y
4-Chlorophenylphenyl ether	U	20	UG/L	U	Y
4-Methylphenol	U	20	UG/L	U	Y
4-Nitroaniline	U	100	UG/L	R	Y
4-Nitrophenol	U	100	UG/L	UJ	Y
Acenaphthene	U	20	UG/L	U	Y
Acenaphthylene	U	20	UG/L	U	Y
Anthracene	U	20	UG/L	U	Y
Benzo(a)anthracene	U	20	UG/L	U	Y
Benzo(a)pyrene	U	20	UG/L	U	Y
Benzo(b)fluoranthene	U	20	UG/L	U	Y
Benzo(g,h,i)perylene	U	20	UG/L	U	Y
Benzo(k)fluoranthene	U	20	UG/L	U	Y
Benzoic acid	J	4	UG/L	J	Y
Benzyl alcohol	U	20	UG/L	U	Y
Butyl benzyl phthalate	U	20	UG/L	U	Y
Chrysene	U	20	UG/L	U	Y
Di-n-butyl phthalate	U	20	UG/L	U	Y
Di-n-octyl phthalate	U	20	UG/L	UJ	Y
Dibenzo(a,h)anthracene	U	20	UG/L	U	Y

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1767				1767				1767				1766		
Sample ID:	063024				063032				063033				063048		
Sample Date:	28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):	17				12				0				3.5		
Bottom Depth (ft):	17.5				20.7				20.7				4		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Dibenzofuran									U	20	UG/L	U	Y			
Diethyl phthalate									U	20	UG/L	U	Y			
Dimethyl phthalate									U	20	UG/L	U	Y			
Fluoranthene									U	20	UG/L	U	Y			
Fluorene									U	20	UG/L	U	Y			
Hexachlorobenzene									U	20	UG/L	U	Y			
Hexachlorobutadiene									U	20	UG/L	U	Y			
Hexachlorocyclopentadiene									U	20	UG/L	U	Y			
Hexachloroethane									U	20	UG/L	U	Y			
Indeno(1,2,3-cd)pyrene									U	20	UG/L	U	Y			
Isophorone									U	20	UG/L	U	Y			
N-Nitroso-di-n-propylamine									U	20	UG/L	U	Y			
N-Nitrosodiphenylamine									U	20	UG/L	U	Y			
Naphthalene									U	20	UG/L	U	Y			
Nitrobenzene									U	20	UG/L	U	Y			
Pentachlorophenol									U	100	UG/L	U	Y			
Phenanthrene									U	20	UG/L	U	Y			
Phenol									J	4	UG/L	J	Y			
Pyrene									U	20	UG/L	U	Y			
Pyridine																
Tributyl phosphate																

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Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1766					1766					1765					1765			
Sample ID:		063071					063072					063088					063098			
Sample Date:		15-JUL-91					15-JUL-91					17-JUL-91					18-JUL-91			
Top Depth (ft):		14					0					4					13			
Bottom Depth (ft):		20.5					20.5					4.5					13.5			
Dibenzofuran																				
Diethyl phthalate																				
Dimethyl phthalate																				
Fluoranthene																				
Fluorene																				
Hexachlorobenzene						U	20	UG/L	U	Y										
Hexachlorobutadiene						U	20	UG/L	U	Y										
Hexachlorocyclopentadiene																				
Hexachloroethane						U	20	UG/L	U	Y										
Indeno(1,2,3-cd)pyrene																				
Isophorone																				
N-Nitroso-di-n-propylamine																				
N-Nitrosodiphenylamine																				
Naphthalene																				
Nitrobenzene						U	20	UG/L	U	Y										
Pentachlorophenol						U	100	UG/L	U	Y										
Phenanthrene																				
Phenol																				
Pyrene																				
Pyridine						U	20	UG/L	U	Y										
Tributyl phosphate																				

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
Dibenzofuran	U	20	UG/L	U	Y
Diethyl phthalate	U	20	UG/L	U	Y
Dimethyl phthalate	U	20	UG/L	U	Y
Fluoranthene	U	20	UG/L	U	Y
Fluorene	U	20	UG/L	U	Y
Hexachlorobenzene	U	20	UG/L	U	Y
Hexachlorobutadiene	U	20	UG/L	U	Y
Hexachlorocyclopentadiene	U	20	UG/L	U	Y
Hexachloroethane	U	20	UG/L	UJ	Y
Indeno(1,2,3-cd)pyrene	U	20	UG/L	U	Y
Isophorone	U	20	UG/L	U	Y
N-Nitroso-di-n-propylamine	U	20	UG/L	U	Y
N-Nitrosodiphenylamine	U	20	UG/L	U	Y
Naphthalene	U	20	UG/L	U	Y
Nitrobenzene	U	20	UG/L	U	Y
Pentachlorophenol	U	100	UG/L	U	Y
Phenanthrene	J	5	UG/L	U	Y
Phenol	U	20	UG/L	U	Y
Pyrene	U	20	UG/L	U	Y
Pyridine					
Tributyl phosphate					

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1767					1767					1767					1766			
Sample ID:		063024					063032					063033					063048			
Sample Date:		28-JUN-91					30-JUN-91					30-JUN-91					13-JUL-91			
Top Depth (ft):		17					12					0					3.5			
Bottom Depth (ft):		17.5					20.7					20.7					4			
bis(2-Chloroethoxy)methane											U	20	UG/L	U	Y					
bis(2-Chloroethyl)ether											U	20	UG/L	U	Y					
bis(2-Chloroisopropyl) ether											U	20	UG/L	U	Y					
bis(2-Ethylhexyl) phthalate											U	20	UG/L	U	Y					
1,1,1-Trichloroethane																				
1,1,2,2-Tetrachloroethane																				
1,1,2-Trichloroethane																				
1,1-Dichloroethane																				
1,1-Dichloroethene	U	5	UG/L	U	Y															
1,2-Dichloroethane	U	5	UG/L	U	Y															
1,2-Dichloroethylene																				
1,2-Dichloropropane																				
2-Butanone	U	10	UG/L	U	Y															
2-Hexanone																				
4-Methyl-2-pentanone																				
Acetone																				
Benzene	U	5	UG/L	U	Y															
Bromodichloromethane																				
Bromoform																				
Bromomethane																				
Carbon Tetrachloride	U	5	UG/L	U	Y															

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766		
Sample ID:	063060				063061				063064				063065		
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91		
Top Depth (ft):	13.5				7				17				17.5		
Bottom Depth (ft):	14				14				17.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl) phthalate																
1,1,1-Trichloroethane																
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane																
1,1-Dichloroethene													U	20	UG/L	U Y
1,2-Dichloroethane													U	20	UG/L	U Y
1,2-Dichloroethylene																
1,2-Dichloropropane																
2-Butanone													J	10	UG/L	UJ Y
2-Hexanone																
4-Methyl-2-pentanone																
Acetone																
Benzene													U	20	UG/L	U Y
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon Tetrachloride													U	20	UG/L	U Y

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1765				1765				1765				1765		
Sample ID:	063100				063107				063108				063112		
Sample Date:	18-JUL-91				25-JUL-91				25-JUL-91				25-JUL-91		
Top Depth (ft):	7				19				19.5				14		
Bottom Depth (ft):	14				19.5				20				22		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
bis(2-Chloroethoxy)methane															
bis(2-Chloroethyl)ether															
bis(2-Chloroisopropyl) ether															
bis(2-Ethylhexyl) phthalate															
1,1,1-Trichloroethane							U	5	UG/L	U	Y				
1,1,2,2-Tetrachloroethane							U	5	UG/L	U	Y				
1,1,2-Trichloroethane							U	5	UG/L	U	Y				
1,1-Dichloroethane							U	5	UG/L	U	Y				
1,1-Dichloroethene							U	5	UG/L	U	Y				
1,2-Dichloroethane							U	5	UG/L	U	Y				
1,2-Dichloroethylene							U	5	UG/L	U	Y				
1,2-Dichloropropane							U	5	UG/L	U	Y				
2-Butanone							J	5	UG/L	J	Y				
2-Hexanone							U	10	UG/L	R	Y				
4-Methyl-2-pentanone							J	5	UG/L	UJ	Y				
Acetone							BD	160	UG/L	J	Y				
Benzene							U	5	UG/L	U	Y				
Bromodichloromethane							U	5	UG/L	U	Y				
Bromoform							U	5	UG/L	UJ	Y				
Bromomethane							U	10	UG/L	U	Y				
Carbon Tetrachloride							U	5	UG/L	U	Y				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
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Well/Boring:	1765
Sample ID:	063113
Sample Date:	25-JUL-91
Top Depth (ft):	0
Bottom Depth (ft):	22

Parameters	LQ	Result	Unit	VQ	TCLP
bis(2-Chloroethoxy)methane	U	20	UG/L	U	Y
bis(2-Chloroethyl)ether	U	20	UG/L	U	Y
bis(2-Chloroisopropyl) ether	U	20	UG/L	U	Y
bis(2-Ethylhexyl) phthalate	U	20	UG/L	U	Y
1,1,1-Trichloroethane					
1,1,2,2-Tetrachloroethane					
1,1,2-Trichloroethane					
1,1-Dichloroethane					
1,1-Dichloroethene					
1,2-Dichloroethane					
1,2-Dichloroethylene					
1,2-Dichloropropane					
2-Butanone					
2-Hexanone					
4-Methyl-2-pentanone					
Acetone					
Benzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon Tetrachloride					

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:		1767				1767				1767				1766		
Sample ID:		063024				063032				063033				063048		
Sample Date:		28-JUN-91				30-JUN-91				30-JUN-91				13-JUL-91		
Top Depth (ft):		17				12				0				3.5		
Bottom Depth (ft):		17.5				20.7				20.7				4		
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ TCLP
Carbon disulfide																
Chlorobenzene	U	5	UG/L	U	Y											
Chloroethane																
Chloroform	U	5	UG/L	U	Y											
Chloromethane																
Dibromochloromethane																
Ethylbenzene																
Methylene chloride																
Styrene																
Tetrachlorethene	J	2	UG/L	J	Y											
Toluene																
Total xylenes																
Trichloroethene	U	5	UG/L	U	Y											
Vinyl Acetate																
Vinyl chloride	U	10	UG/L	U	Y											
cis-1,3-Dichloropropene																
trans-1,3-Dichloropropene																

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Material Organic Results

Well/Boring:	1766				1766				1766				1766			
Sample ID:	063060				063061				063064				063065			
Sample Date:	13-JUL-91				13-JUL-91				14-JUL-91				14-JUL-91			
Top Depth (ft):	13.5				7				17				17.5			
Bottom Depth (ft):	14				14				17.5				18			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Carbon disulfide																
Chlorobenzene													U	20	UG/L	U Y
Chloroethane																
Chloroform													J	7	UG/L	J Y
Chloromethane																
Dibromochloromethane																
Ethylbenzene																
Methylene chloride																
Styrene																
Tetrachlorethene													J	7	UG/L	J Y
Toluene																
Total xylenes																
Trichloroethene													U	20	UG/L	U Y
Vinyl Acetate																
Vinyl chloride													U	40	UG/L	U Y
cis-1,3-Dichloropropene																
trans-1,3-Dichloropropene																

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 1
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1765					1765					1765					1765			
Sample ID:		063100					063107					063108					063112			
Sample Date:		18-JUL-91					25-JUL-91					25-JUL-91					25-JUL-91			
Top Depth (ft):		7					19					19.5					14			
Bottom Depth (ft):		14					19.5					20					22			
Carbon disulfide											U	5	UG/L	U	Y					
Chlorobenzene											U	5	UG/L	U	Y					
Chloroethane											U	10	UG/L	U	Y					
Chloroform											J	1	UG/L	J	Y					
Chloromethane											U	10	UG/L	U	Y					
Dibromochloromethane											U	5	UG/L	U	Y					
Ethylbenzene											J	4	UG/L	J	Y					
Methylene chloride											BD	210	UG/L	J	Y					
Styrene											U	5	UG/L	U	Y					
Tetrachlorethene											J	1	UG/L	J	Y					
Toluene											BJ	10	UG/L	U	Y					
Total xylenes												20	UG/L	-	Y					
Trichloroethene											U	5	UG/L	U	Y					
Vinyl Acetate											U	10	UG/L	U	Y					
Vinyl chloride											U	10	UG/L	U	Y					
cis-1,3-Dichloropropene											U	5	UG/L	U	Y					
trans-1,3-Dichloropropene											U	5	UG/L	U	Y					

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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A.1.1.6

PIT 1
PIT MATERIAL
EXTRACTION PROCEDURE TOXICITY RESULTS

Characterization Investigation Study - Pit 1
Extraction Procedure Toxicity Data

Well/Boring:	01-01			01-01			01-05			01-02		
Chemical Parameters Sample ID:	PS-01-001			PS-01-015			PS-01-030			PS-01-032		
Sample Date:	4/13/87			4/13/87			4/14/87			4/15/87		
Top Depth (ft):	0			0			0			0		
Bottom Depth (ft):	12			12			12			12		
	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		> 800	DEG F		> 800	DEG F		> 800	DEG F		> 800	DEG F
CORROSIVITY		7.30	PHU		7.10	PHU		6.70	PHU		7.00	PHU
REACTIVITY (SULFIDE)	U	0.32	MG/KG	U	0.32	MG/KG	U	0.32	MG/KG	U	0.36	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE	U	1000	UG/L	U	1000	UG/L	U	1000	UG/L		2000	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L	U	0.2	UG/L	U	0.2	UG/L	U	0.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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Characterization Investigation Study - Pit 1
Extraction Procedure Toxicity Data

Chemical Parameters	Well/Boring:	01-03			01-04	
	Sample ID:	PS-01-047			PS-01-058	
	Sample Date:	4/15/87			4/16/87	
	Top Depth (ft):	0			0	
	Bottom Depth (ft):	12			12	
	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		> 800	DEG F		> 800	DEG F
CORROSIVITY		7.70	PHU		4.60	PHU
REACTIVITY (SULFIDE)	U	0.30	MG/KG	U	0.32	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE		1250	UG/L		3740	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L	U	0.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

Submittal Date: 08-FEB-94
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FEMP OU1RI-5 USEPA

A.1.2

PIT 1
PIT LEACHATE

A.1.2.1

PIT 1
PIT LEACHATE
RADIOLOGICAL RESULTS

1991 RI/FS - Pit 1
Pit Leachate Radiological Results

Well/Boring:	1765					1766					1765					1767			
Sample ID:	063900					063904					063945					063946			
Sample Date:	26-AUG-91					28-AUG-91					14-NOV-91					14-NOV-91			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
CESIUM-137	U	20	PCI/L	R		U	20	PCI/L	R		U	20	PCI/L	R		U	20	PCI/L	U	
GROSS ALPHA							5310	PCI/L	NV			1023	PCI/L	NV			132	PCI/L	NV	
GROSS BETA		319	PCI/L	NV			3780	PCI/L	NV			981	PCI/L	NV			329	PCI/L	NV	
NEPTUNIUM-237	U	1	PCI/L	R		U	2.1	PCI/L	R											
PLUTONIUM-238	U	1	PCI/L	U		U	1	PCI/L	U		U	1	PCI/L	U		U	1	PCI/L	U	
PLUTONIUM-239/240	U	1	PCI/L	U		U	1	PCI/L	U		U	1	PCI/L	U		U	1	PCI/L	U	
RADIUM-226							120	PCI/L	-											
RADIUM-228							85.1	PCI/L	-											
RUTHENIUM-106	U	150	PCI/L	R		U	150	PCI/L	R		U	150	PCI/L	R		U	150	PCI/L	U	
STRONTIUM-90	U	5	PCI/L	UJ			12.9	PCI/L	J		U	5	PCI/L	U		U	5	PCI/L	UJ	
TECHNETIUM-99	U	30	PCI/L	U		U	30	PCI/L	U		U	30	PCI/L	U		U	30	PCI/L	U	
THORIUM-228						U	1	PCI/L	U											
THORIUM-230						U	1	PCI/L	U											
THORIUM-232						U	1	PCI/L	U											
THORIUM-TOTAL						U	2.9	UG/L	U											
URANIUM-234		4.32	PCI/L	J			3760	PCI/L	J			96.9	PCI/L	F			3.84	PCI/L	-	
URANIUM-235/236	U	1	PCI/L	UJ			268	PCI/L	J			16.8	PCI/L	-		U	1	PCI/L	U	
URANIUM-238		3.74	PCI/L	J			3990	PCI/L	J			562	PCI/L	-			8.13	PCI/L	-	
URANIUM-TOTAL		5.06	UG/L	K			12100	UG/L	K			1780	UG/L	K			16.6	UG/L	K	
CESIUM-137	U	20	PCI/L	R	Y	U	20	PCI/L	R	Y	U	20	PCI/L	R	Y	U	20	PCI/L	U	Y
GROSS ALPHA							5310	PCI/L	NV	Y		1023	PCI/L	NV	Y		132	PCI/L	NV	Y

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
FLTD - Filtered (in the field or the laboratory)
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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1991 RI/FS - Pit 1
Pit Leachate Radiological Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1765					1766					1765					1767			
Sample ID:		063900					063904					063945					063946			
Sample Date:		26-AUG-91					28-AUG-91					14-NOV-91					14-NOV-91			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A					N/A			
GROSS BETA		319	PCI/L	NV	Y		3780	PCI/L	NV	Y		981	PCI/L	NV	Y		329	PCI/L	NV	Y
PLUTONIUM-238	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y
PLUTONIUM-239/240	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y
RADIUM-226							120	PCI/L	-	Y										
RADIUM-228							85.1	PCI/L	-	Y										
RUTHENIUM-106	U	150	PCI/L	R	Y	U	150	PCI/L	R	Y	U	150	PCI/L	R	Y	U	150	PCI/L	U	Y
STRONTIUM-90	U	5	PCI/L	UJ	Y		12.9	PCI/L	J	Y	U	5	PCI/L	U	Y	U	5	PCI/L	UJ	Y
TECHNETIUM-99	U	30	PCI/L	U	Y	U	30	PCI/L	U	Y	U	30	PCI/L	U	Y	U	30	PCI/L	U	Y
URANIUM-234		4.32	PCI/L	J	Y		3760	PCI/L	J	Y		96.9	PCI/L	F	Y		3.84	PCI/L	-	Y
URANIUM-235/236	U	1	PCI/L	UJ	Y		268	PCI/L	J	Y		16.8	PCI/L	-	Y	U	1	PCI/L	U	Y
URANIUM-238		3.74	PCI/L	J	Y		3990	PCI/L	J	Y		562	PCI/L	-	Y		8.13	PCI/L	-	Y
URANIUM-TOTAL		5.06	UG/L	K	Y		12100	UG/L	K	Y		1780	UG/L	K	Y		16.6	UG/L	K	Y

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Submittal Date: 08-Feb-94
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A.1.2.2

PIT 1
PIT LEACHATE
INORGANIC RESULTS

1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Well/Boring:	1765				1765				1766				1766		
Sample ID:	063900				063903				063904				063915		
Sample Date:	26-AUG-91				26-AUG-91				28-AUG-91				30-OCT-91		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A				N/A		
Parameter	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Alkalinity as CaCO3														475	MG/L	-
Ammonia		.494	MG/L	-						.2	MG/L	-		348	MG/L	-
Bromide																
Chloride		5400	MG/L	-						4300	MG/L	-				
Cyanide					N	366	UG/L	J	N	363	UG/L	J		134	UG/L	J
Fluoride		8.55	MG/L	-						34	MG/L	-				
Nitrate		82.4	MG/L	-						62.4	MG/L	J		9.8	MG/L	-
Oxidation-Reduction Potential																
Oxidation-Reduction Potential														245.2	MV	-
Phosphate																
Phosphorus		.43	MG/L	-						.15	MG/L	-		.817	MG/L	-
Sulfate	U	2	MG/L	U					U	2	MG/L	U				
Sulfide	U	1	MG/L	U					U	.5	MG/L	U	U	.5	MG/L	U
Total Organic Carbon		28.9	MG/L	-						135	MG/L	-		73	MG/L	-
Total Organic Nitrogen										.2	MG/L	-				
pH														6.37	S.U.	-
Aluminum		508	UG/L	-						1520	UG/L	-		1280	UG/L	-
Antimony		111	UG/L	J						387	UG/L	J		395	UG/L	-
Arsenic	B	3.3	UG/L	-					U	2	UG/L	U	BWN	2.2	UG/L	J
Barium		2010	UG/L	-					B	88.9	UG/L	J	B	85.3	UG/L	-
Beryllium	B	3.2	UG/L	-						101	UG/L	-		101	UG/L	-

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1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Well/Boring:	1765				1765				1767				1765		
Sample ID:	063919				063921				063925				063945		
Sample Date:	31-OCT-91				31-OCT-91				05-NOV-91				14-NOV-91		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Alkalinity as CaCO3		2098	MG/L	-			2190	MG/L	-			2940	MG/L	-		U	5	MG/L	U	
Ammonia		474	MG/L	-			568	MG/L	-			399	MG/L	-			.571	MG/L	U	
Bromide																U	1	MG/L	U	
Chloride		5917.9	MG/L	-			5511	MG/L	-			2943.2	MG/L	-		U	.5	MG/L	U	
Cyanide		577	UG/L	J			623	UG/L	J		U	2	UG/L	UJ						
Fluoride																U	.4	MG/L	U	
Nitrate		276	MG/L	-			285	MG/L	-			.759	MG/L	-		U	.4	MG/L	U	
Oxidation-Reduction Potential												5.8	MV	-						
Oxidation-Reduction Potential		57	MV	-			65.4	MV	-								197.6	MV	-	
Phosphate																U	1	MG/L	U	
Phosphorus		6.36	MG/L	-			1.32	MG/L	-			.26	MG/L	-						
Sulfate	U	2	MG/L	U		U	2	MG/L	U		U	2	MG/L	U			1.87	MG/L	-	
Sulfide	U	.5	MG/L	U		U	.5	MG/L	U		U	.5	MG/L	U		U	.5	MG/L	U	
Total Organic Carbon		25.2	MG/L	-			13.4	MG/L	-			10.8	MG/L	-		U	1	MG/L	U	
Total Organic Nitrogen																				
pH		11.8	S.U.	-			11.9	S.U.	-			12.43	S.U.	-			7.77	S.U.	-	
Aluminum		533	UG/L	-			535	UG/L	-			542	UG/L	-		EN	1110	UG/L	J	
Antimony		112	UG/L	J			108	UG/L	J			90.8	UG/L	-			98.4	UG/L	-	
Arsenic	BNN	2.3	UG/L	J		BNN	2.7	UG/L	J		BN	2.8	UG/L	J		U	2	UG/L	U	
Barium		1930	UG/L	-			2050	UG/L	-			580	UG/L	-		E	563	UG/L	J	
Beryllium	B	3.4	UG/L	-		B	3.6	UG/L	-		B	3.6	UG/L	-		B	4	UG/L	J	

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Well/Boring:	1767
Sample ID:	063946
Sample Date:	14-NOV-91
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ	FLTD
Alkalinity as CaCO3					
Ammonia					
Bromide					
Chloride					
Cyanide					
Fluoride					
Nitrate					
Oxidation-Reduction Potential					
Oxidation-Reduction Potential					
Phosphate					
Phosphorus					
Sulfate					
Sulfide					
Total Organic Carbon					
Total Organic Nitrogen					
pH					
Aluminum	EM	536	UG/L	J	
Antimony					
Arsenic					
Barium					
Beryllium					

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1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Well/Boring:	1765				1765				1766				1766		
Sample ID:	063900				063903				063904				063915		
Sample Date:	26-AUG-91				26-AUG-91				28-AUG-91				30-OCT-91		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Boron		240	UG/L	-						1460	UG/L	-		1620	UG/L	-
Cadmium	U	20	UG/L	U						39.2	UG/L	-		41.4	UG/L	-
Calcium		3040000	UG/L	-						173000	UG/L	-		183000	UG/L	-
Chromium	N	129	UG/L	J					N	212	UG/L	J		202	UG/L	-
Cobalt	BN	24.1	UG/L	J					N	1690	UG/L	J		1780	UG/L	-
Copper		46.9	UG/L	-						96.7	UG/L	-		87.2	UG/L	-
Iron	B	94.1	UG/L	-						149	UG/L	-		136	UG/L	-
Lead	U	2	UG/L	U					B	2.4	UG/L	J	U	2	UG/L	U
Magnesium	B	738	UG/L	-						606000	UG/L	-		650000	UG/L	-
Manganese		18	UG/L	J						322000	UG/L	-	E	325000	UG/L	J
Mercury						.21	UG/L	J	U	.2	UG/L	U	U	.2	UG/L	U
Molybdenum		35.7	UG/L	-						493	UG/L	-		583	UG/L	-
Nickel	BN	35.8	UG/L	J					N	12400	UG/L	J		13300	UG/L	-
Potassium		296000	UG/L	-					B	295000	UG/L	J		324000	UG/L	-
Selenium	S*	13.4	UG/L	-					S*	32.6	UG/L	J	N	15.8	UG/L	J
Silicon		575	UG/L	-						31000	UG/L	-		31400	UG/L	-
Silver		111	UG/L	-						121	UG/L	-	N	110	UG/L	-
Sodium		631000	UG/L	-						791000	UG/L	-		868000	UG/L	-
Thallium	UWN	20	UG/L	UJ					BWN	3.6	UG/L	J	BWN	2.4	UG/L	J
Tin	U	200	UG/L	U					U	200	UG/L	U	U	200	UG/L	U
Vanadium		72.5	UG/L	J						119	UG/L	-		121	UG/L	-

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1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Well/Boring:	1765				1765				1767				1765		
Sample ID:	063919				063921				063925				063945		
Sample Date:	31-OCT-91				31-OCT-91				05-NOV-91				14-NOV-91		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Boron		252	UG/L	-			252	UG/L	-			245	UG/L	-		EN	228	UG/L	J
Cadmium	U	20	UG/L	U		U	20	UG/L	U		U	10	UG/L	U		UN	10	UG/L	UJ
Calcium		3100000	UG/L	-			3220000	UG/L	-			201000	UG/L	-			1910000	UG/L	-
Chromium		142	UG/L	-			145	UG/L	-			129	UG/L	-			159	UG/L	-
Cobalt	B	24.1	UG/L	J		B	25.9	UG/L	J		B	18.3	UG/L	J		BN	20.4	UG/L	J
Copper		51.1	UG/L	-			48.5	UG/L	-			50	UG/L	-		EN	62.9	UG/L	J
Iron		100	UG/L	-			108	UG/L	-			170	UG/L	-		E	587	UG/L	J
Lead	U	2	UG/L	U		U	2	UG/L	U			3.5	UG/L	-		N	4.8	UG/L	J
Magnesium	B	1160	UG/L	-		B	1410	UG/L	-			11300	UG/L	-			33000	UG/L	-
Manganese	E	21.4	UG/L	J		E	20	UG/L	J			23.8	UG/L	J			44.4	UG/L	-
Mercury	U	.2	UG/L	U		U	.2	UG/L	U		U	.2	UG/L	UJ		U	.2	UG/L	U
Molybdenum		39	UG/L	-			38.6	UG/L	-			24	UG/L	-		EN	32.4	UG/L	J
Nickel	B	38.3	UG/L	J			41	UG/L	J		B	35.1	UG/L	J		N	52.6	UG/L	J
Potassium		307000	UG/L	-			308000	UG/L	-			137000	UG/L	-			130000	UG/L	-
Selenium	UN	10	UG/L	UJ		BNN	11.6	UG/L	J		UNN	2	UG/L	UJ		UN	2	UG/L	UJ
Silicon		600	UG/L	-			584	UG/L	-			645	UG/L	-		E	1730	UG/L	J
Silver	N	115	UG/L	J		N	116	UG/L	-			107	UG/L	-		N	116	UG/L	J
Sodium		678000	UG/L	-			674000	UG/L	-			643000	UG/L	-			635000	UG/L	-
Thallium	UNN	2	UG/L	UJ		UNN	2	UG/L	UJ		UNN	2	UG/L	UJ		UNN	2	UG/L	UJ
Tin	U	200	UG/L	U		U	200	UG/L	U		U	200	UG/L	U			200	UG/L	U
Vanadium		81.1	UG/L	-			83	UG/L	-			69.3	UG/L	-		EN	79.1	UG/L	J

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1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Well/Boring:	1767
Sample ID:	063946
Sample Date:	14-NOV-91
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ	FLTD
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron	E	101	UG/L	J	
Lead	W	4.3	UG/L	J	
Magnesium	B	837	UG/L	-	
Manganese		22.2	UG/L	J	
Mercury	U	.2	UG/L	UJ	
Molybdenum	EN	36.4	UG/L	J	
Nickel	BN	32.4	UG/L	J	
Potassium		293000	UG/L	-	
Selenium					
Silicon	E	542	UG/L	J	
Silver	N	118	UG/L	J	
Sodium		633000	UG/L	-	
Thallium					
Tin					
Vanadium					

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1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Well/Boring:	1765					1765					1766					1766			
Sample ID:	063900					063903					063904					063915			
Sample Date:	26-AUG-91					26-AUG-91					28-AUG-91					30-OCT-91			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Zinc	B	16.5	UG/L	-								298	UG/L	-			252	UG/L	-	
Aluminum		508	UG/L	-	Y							1520	UG/L	-	Y		1280	UG/L	-	Y
Antimony		111	UG/L	J	Y							387	UG/L	J	Y		395	UG/L	-	Y
Arsenic	B	3.3	UG/L	-	Y						U	2	UG/L	U	Y	BWN	2.2	UG/L	J	Y
Barium		2010	UG/L	-	Y						B	88.9	UG/L	J	Y	B	85.3	UG/L	-	Y
Beryllium	B	3.2	UG/L	-	Y							101	UG/L	-	Y		101	UG/L	-	Y
Boron		240	UG/L	-	Y							1460	UG/L	-	Y		1620	UG/L	-	Y
Cadmium	U	20	UG/L	U	Y							39.2	UG/L	-	Y		41.4	UG/L	-	Y
Calcium		3040000	UG/L	-	Y							173000	UG/L	-	Y		183000	UG/L	-	Y
Chromium	N	129	UG/L	J	Y						N	212	UG/L	J	Y		202	UG/L	-	Y
Cobalt	BN	24.1	UG/L	J	Y						N	1690	UG/L	J	Y		1780	UG/L	-	Y
Copper		46.9	UG/L	-	Y							96.7	UG/L	-	Y		87.2	UG/L	-	Y
Iron	B	94.1	UG/L	-	Y							149	UG/L	-	Y		136	UG/L	-	Y
Lead	U	2	UG/L	U	Y						B	2.4	UG/L	J	Y	U	2	UG/L	U	Y
Magnesium	B	738	UG/L	-	Y							606000	UG/L	-	Y		650000	UG/L	-	Y
Manganese		18	UG/L	J	Y							322000	UG/L	-	Y	E	325000	UG/L	J	Y
Mercury							.21	UG/L	J	Y	U	.2	UG/L	U	Y	U	.2	UG/L	U	Y
Molybdenum		35.7	UG/L	-	Y							493	UG/L	-	Y		583	UG/L	-	Y
Nickel	BN	35.8	UG/L	J	Y						N	12400	UG/L	J	Y		13300	UG/L	-	Y
Potassium		296000	UG/L	-	Y						B	295000	UG/L	J	Y		324000	UG/L	-	Y
Selenium	S*	13.4	UG/L	-	Y						S*	32.6	UG/L	J	Y	N	15.8	UG/L	J	Y

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1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1765					1765					1767					1765			
Sample ID:		063919					063921					063925					063945			
Sample Date:		31-OCT-91					31-OCT-91					05-NOV-91					14-NOV-91			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A					N/A			
Zinc	B	6.4	UG/L	-		B	5.7	UG/L	-		U	5	UG/L	U		B	18.7	UG/L	UJ	
Aluminum		533	UG/L	-	Y		535	UG/L	-	Y		542	UG/L	-	Y	EN	1110	UG/L	J	Y
Antimony		112	UG/L	J	Y		108	UG/L	J	Y		90.8	UG/L	-	Y		98.4	UG/L	-	Y
Arsenic	BWN	2.3	UG/L	J	Y	BWN	2.7	UG/L	J	Y	BN	2.8	UG/L	J	Y	U	2	UG/L	U	Y
Barium		1930	UG/L	-	Y		2050	UG/L	-	Y		580	UG/L	-	Y	E	563	UG/L	J	Y
Beryllium	B	3.4	UG/L	-	Y	B	3.6	UG/L	-	Y	B	3.6	UG/L	-	Y	B	4	UG/L	J	Y
Boron		252	UG/L	-	Y		252	UG/L	-	Y		245	UG/L	-	Y	EN	228	UG/L	J	Y
Cadmium	U	20	UG/L	U	Y	U	20	UG/L	U	Y	U	10	UG/L	U	Y	UN	10	UG/L	UJ	Y
Calcium		3100000	UG/L	-	Y		3220000	UG/L	-	Y		201000	UG/L	-	Y		1910000	UG/L	-	Y
Chromium		142	UG/L	-	Y		145	UG/L	-	Y		129	UG/L	-	Y		159	UG/L	-	Y
Cobalt	B	24.1	UG/L	J	Y	B	25.9	UG/L	J	Y	B	18.3	UG/L	J	Y	BN	20.4	UG/L	J	Y
Copper		51.1	UG/L	-	Y		48.5	UG/L	-	Y		50	UG/L	-	Y	EN	62.9	UG/L	J	Y
Iron		100	UG/L	-	Y		108	UG/L	-	Y		170	UG/L	-	Y	E	587	UG/L	J	Y
Lead	U	2	UG/L	U	Y	U	2	UG/L	U	Y		3.5	UG/L	-	Y	N	4.8	UG/L	J	Y
Magnesium	B	1160	UG/L	-	Y	B	1410	UG/L	-	Y		11300	UG/L	-	Y		33000	UG/L	-	Y
Manganese	E	21.4	UG/L	J	Y	E	20	UG/L	J	Y		23.8	UG/L	J	Y		44.4	UG/L	-	Y
Mercury	U	.2	UG/L	U	Y	U	.2	UG/L	U	Y	U	.2	UG/L	UJ	Y	U	.2	UG/L	U	Y
Molybdenum		39	UG/L	-	Y		38.6	UG/L	-	Y		24	UG/L	-	Y	EN	32.4	UG/L	J	Y
Nickel	B	38.3	UG/L	J	Y		41	UG/L	J	Y	B	35.1	UG/L	J	Y	N	52.6	UG/L	J	Y
Potassium		307000	UG/L	-	Y		308000	UG/L	-	Y		137000	UG/L	-	Y		130000	UG/L	-	Y
Selenium	UN	10	UG/L	UJ	Y	BWN	11.6	UG/L	J	Y	UWN	2	UG/L	UJ	Y	UN	2	UG/L	UJ	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Well/Boring:	1767
Sample ID:	063946
Sample Date:	14-NOV-91
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ	FLTD
Zinc					
Aluminum	BN	536	UG/L	J	Y
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron	E	101	UG/L	J	Y
Lead	N	4.3	UG/L	J	Y
Magnesium	B	837	UG/L	-	Y
Manganese		22.2	UG/L	J	Y
Mercury	U	.2	UG/L	UJ	Y
Molybdenum	BN	36.4	UG/L	J	Y
Nickel	BN	32.4	UG/L	J	Y
Potassium		293000	UG/L	-	Y
Selenium					

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1765					1765					1766					1766			
Sample ID:		063900					063903					063904					063915			
Sample Date:		26-AUG-91					26-AUG-91					28-AUG-91					30-OCT-91			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A					N/A			
Silicon		575	UG/L	-	Y							31000	UG/L	-	Y		31400	UG/L	-	Y
Silver		111	UG/L	-	Y							121	UG/L	-	Y	N	110	UG/L	-	Y
Sodium		631000	UG/L	-	Y							791000	UG/L	-	Y		868000	UG/L	-	Y
Thallium	UWN	20	UG/L	UJ	Y						BWN	3.6	UG/L	J	Y	BWN	2.4	UG/L	J	Y
Tin	U	200	UG/L	U	Y						U	200	UG/L	U	Y	U	200	UG/L	U	Y
Vanadium		72.5	UG/L	J	Y							119	UG/L	-	Y		121	UG/L	-	Y
Zinc	B	16.5	UG/L	-	Y							298	UG/L	-	Y		252	UG/L	-	Y

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

001193

1991 RI/FS - Pit 1
Pit Leachate Inorganic Results

Well/Boring:	1765					1765					1767					1765			
Sample ID:	063919					063921					063925					063945			
Sample Date:	31-OCT-91					31-OCT-91					05-NOV-91					14-NOV-91			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A					N/A			
Parameter#	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Silicon		600	UG/L	-	Y		584	UG/L	-	Y		645	UG/L	-	Y	E	1730	UG/L	J	Y
Silver	N	115	UG/L	J	Y	N	116	UG/L	-	Y		107	UG/L	-	Y	N	116	UG/L	J	Y
Sodium		678000	UG/L	-	Y		674000	UG/L	-	Y		643000	UG/L	-	Y		635000	UG/L	-	Y
Thallium	UWN	2	UG/L	UJ	Y	UWN	2	UG/L	UJ	Y	UWN	2	UG/L	UJ	Y	UWN	2	UG/L	UJ	Y
Tin	U	200	UG/L	U	Y	U	200	UG/L	U	Y	U	200	UG/L	U	Y		200	UG/L	U	Y
Vanadium		81.1	UG/L	-	Y		83	UG/L	-	Y		69.3	UG/L	-	Y	EN	79.1	UG/L	J	Y
Zinc	B	6.4	UG/L	-	Y	B	5.7	UG/L	-	Y	U	5	UG/L	U	Y	B	18.7	UG/L	UJ	Y

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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5129

Well/Boring:	1767
Sample ID:	063946
Sample Date:	14-NOV-91
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ	FLTD
Silicon	E	542	UG/L	J	Y
Silver	N	118	UG/L	J	Y
Sodium		633000	UG/L	-	Y
Thallium					
Tin					
Vanadium					
Zinc					

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
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A.1.2.3

PIT 1
PIT LEACHATE
ORGANIC RESULTS

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1766				1766				1765			
Sample ID:	063900				063904				063915				063919			
Sample Date:	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
1,2,3,4,6,7,8-HpCDD									U	1.1	NG/L	U	U	3.4	NG/L	U
1,2,3,4,6,7,8-HpCDF									U	.41	NG/L	U	U	1	NG/L	U
1,2,3,4,7,8,9-Heptachlorodiben									U	.57	NG/L	U	U	.86	NG/L	U
1,2,3,4,7,8-Hexachlorodibenzo-									U	1	NG/L	U	U	.66	NG/L	U
1,2,3,4,7,8-Hexachlorodibenzof									U	.61	NG/L	U	U	1.3	NG/L	U
1,2,3,6,7,8-Hexachlorodibenzo-									U	.83	NG/L	U	U	.52	NG/L	U
1,2,3,6,7,8-Hexachlorodibenzof									U	.654	NG/L	U	U	1.1	NG/L	U
1,2,3,7,8,9-Hexachlorodibenzo-									U	.87	NG/L	U	U	.55	NG/L	U
1,2,3,7,8,9-Hexachlorodibenzof									U	.71	NG/L	U	U	1.5	NG/L	U
1,2,3,7,8-Pentachlorodibenzo-p									U	.7	NG/L	U	U	.54	NG/L	U
1,2,3,7,8-Pentachlorodibenzofu									U	.38	NG/L	U		.64	NG/L	-
2,3,4,6,7,8-Hexachlorodibenzof									U	.64	NG/L	U	U	1.3	NG/L	U
2,3,4,7,8-Pentachlorodibenzofu									U	.41	NG/L	U		.91	NG/L	-
2,3,7,8-TCDD									U	.58	NG/L	U	U	.49	NG/L	U
2,3,7,8-TCDF									U	2.5	NG/L	U		2.6	NG/L	-
Heptachlorodibenzo-p-dioxin									U	1.1	NG/L	U	U	3.4	NG/L	U
Heptachlorodibenzofuran									U	.7	NG/L	U	U	1.2	NG/L	U
Hexachlorodibenzo-p-dioxin									U	2.2	NG/L	U	U	.57	NG/L	U
Hexachlorodibenzofuran									U	.62	NG/L	U	U	1.3	NG/L	U
Octachlorodibenzo-p-dioxin									U	.59	NG/L	UJ		1.6	NG/L	J
Octachlorodibenzofuran									U	.4	NG/L	U		.55	NG/L	-

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
1,2,3,4,6,7,8-HpCDD	U	.39	NG/L	U	U	.37	NG/L	U				
1,2,3,4,6,7,8-HpCDF	U	.46	NG/L	U	U	1.5	NG/L	U				
1,2,3,4,7,8,9-Heptachlorodiben	U	.65	NG/L	U	U	2.1	NG/L	U				
1,2,3,4,7,8-Hexachlorodibenzo-	U	1.2	NG/L	U	U	2.3	NG/L	U				
1,2,3,4,7,8-Hexachlorodibenzof	U	.55	NG/L	U	U	1.4	NG/L	U				
1,2,3,6,7,8-Hexachlorodibenzo-	U	.98	NG/L	U	U	1.8	NG/L	U				
1,2,3,6,7,8-Hexachlorodibenzof	U	.48	NG/L	U	U	1.2	NG/L	U				
1,2,3,7,8,9-Hexachlorodibenzo-	U	1	NG/L	U	U	1.9	NG/L	U				
1,2,3,7,8,9-Hexachlorodibenzof	U	.63	NG/L	U	U	1.6	NG/L	U				
1,2,3,7,8-Pentachlorodibenzo-p	U	1.3	NG/L	U	U	1.3	NG/L	U				
1,2,3,7,8-Pentachlorodibenzofu	U	.51	NG/L	U	U	.34	NG/L	U				
2,3,4,6,7,8-Hexachlorodibenzof	U	.57	NG/L	U	U	1.4	NG/L	U				
2,3,4,7,8-Pentachlorodibenzofu	U	.55	NG/L	U	U	.41	NG/L	U				
2,3,7,8-TCDD	U	.17	NG/L	U	U	.61	NG/L	U				
2,3,7,8-TCDF	U	.71	NG/L	U	U	1.6	NG/L	U				
Heptachlorodibenzo-p-dioxin	U	1.3	NG/L	U	U	1.6	NG/L	U				
Heptachlorodibenzofuran	U	.54	NG/L	U	U	1.7	NG/L	U				
Hexachlorodibenzo-p-dioxin	U	1.1	NG/L	U	U	2	NG/L	U				
Hexachlorodibenzofuran	U	1.4	NG/L	U	U	1.4	NG/L	U				
Octachlorodibenzo-p-dioxin	U	.56	NG/L	U	U	.32	NG/L	UJ				
Octachlorodibenzofuran	U	.43	NG/L	U	U	.56	NG/L	UJ				

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1766				1766				1765			
Sample ID:	063900				063904				063915				063919			
Sample Date:	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Pentachlorodibenzo-p-dioxin											U	1.5	NG/L	U		U	1.7	NG/L	U	
Pentachlorodibenzofuran											U	.39	NG/L	U			5.9	NG/L	-	
Tetrachlorodibenzo-p-dioxin											U	.47	NG/L	U		U	.34	NG/L	U	
Tetrachlorodibenzofuran												1.1	NG/L	U			12.4	NG/L	-	
2,4,5-T											U	2	UG/L	U		U	2	UG/L	U	
2,4,5-TP (Silvex)	U	2	UG/L	U							U	1.8	UG/L	U		U	1.8	UG/L	U	
2,4-D	U	1.8	UG/L	U							U	10	UG/L	U		U	10	UG/L	U	
Dinoseb	U	10	UG/L	U							U	.71	UG/L	U		U	20	UG/L	UJ	
Sulfotepp	U	.7	UG/L	U							U	31	UG/L	R		U	3	UG/L	UJ	
Dimethoate											U	31	UG/L	UJ		U	3	UG/L	UJ	
Disulfoton											U	31	UG/L	UJ		U	3	UG/L	UJ	
Famphur											U	31	UG/L	UJ		U	3	UG/L	UJ	
Parathion, ethyl											U	31	UG/L	UJ		U	3	UG/L	UJ	
Parathion, methyl											U	31	UG/L	UJ		U	3	UG/L	UJ	
Tetraethylpyrophosphate											U	31	UG/L	UJ		U	3	UG/L	UJ	
Thionazin											U	31	UG/L	UJ		U	3	UG/L	UJ	
4,4-DDD											U	31	UG/L	UJ		U	3	UG/L	UJ	
4,4-DDE	U	.1	UG/L	U							U	.4	UG/L	U		U	.1	UG/L	U	
4,4-DDT	U	.1	UG/L	U							U	.4	UG/L	U		U	.1	UG/L	U	
Aldrin	U	.1	UG/L	U							U	.4	UG/L	U		U	.1	UG/L	U	
Aroclor-1016	U	.05	UG/L	U							U	.2	UG/L	U		U	.05	UG/L	U	
	U	.5	UG/L	U							U	2	UG/L	U		U	.5	UG/L	U	

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51129

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Pentachlorodibenzo-p-dioxin	U	3.2	NG/L	U	U	1.3	NG/L	U				
Pentachlorodibenzofuran	U	.79	NG/L	U	U	.79	NG/L	U				
Tetrachlorodibenzo-p-dioxin	U	.26	NG/L	UJ	U	.32	NG/L	U				
Tetrachlorodibenzofuran		3	NG/L	J	U	.39	NG/L	UJ				
2,4,5-T	U	2	UG/L	U	U	2	UG/L	UJ				
2,4,5-TP (Silvex)	U	1.8	UG/L	U	U	1.8	UG/L	UJ				
2,4-D	U	10	UG/L	U	U	10	UG/L	UJ				
Dinoseb	U	.7	UG/L	U	U	.71	UG/L	UJ	U	80	UG/L	UJ
Sulfotepp	U	3	UG/L	UJ	U	3	UG/L	R	U	40	UG/L	U
Dimethoate	U	3	UG/L	UJ	U	3	UG/L	U				
Disulfoton	U	3	UG/L	UJ	U	3	UG/L	U				
Famphur	U	3	UG/L	UJ	U	3	UG/L	U				
Parathion, ethyl	U	3	UG/L	UJ	U	3	UG/L	U				
Parathion, methyl	U	3	UG/L	UJ	U	3	UG/L	U				
Tetraethylpyrophosphate	U	3	UG/L	UJ	U	3	UG/L	U				
Thionazin	U	3	UG/L	UJ	U	3	UG/L	U				
4,4-DDD	U	.1	UG/L	U	U	.5	UG/L	U				
4,4-DDE	U	.1	UG/L	U	U	.5	UG/L	U				
4,4-DDT	U	.1	UG/L	U	U	.5	UG/L	U				
Aldrin	U	.05	UG/L	U	U	.25	UG/L	U				
Aroclor-1016	U	.5	UG/L	U	U	2.5	UG/L	U				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1766				1766				1765			
Sample ID:	063900				063904				063915				063919			
Sample Date:	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Aroclor-1221	U	.5	UG/L	U					U	2	UG/L	U	U	.5	UG/L	U
Aroclor-1232	U	.5	UG/L	U					U	2	UG/L	U	U	.5	UG/L	U
Aroclor-1242	U	.5	UG/L	U					U	2	UG/L	U	U	.5	UG/L	U
Aroclor-1248	U	.5	UG/L	UJ					U	2	UG/L	U	DX	3.1	UG/L	J
Aroclor-1254	U	1	UG/L	U					U	4	UG/L	U	U	1	UG/L	U
Aroclor-1260	U	1	UG/L	U					U	4	UG/L	U	U	1	UG/L	U
Dieldrin	U	.1	UG/L	U					U	.4	UG/L	U	U	.1	UG/L	U
Endosulfan II	U	.1	UG/L	U					U	.4	UG/L	U	U	.1	UG/L	U
Endosulfan sulfate	U	.1	UG/L	U					U	.4	UG/L	U	U	.1	UG/L	U
Endosulfan-I	U	.05	UG/L	U					U	.2	UG/L	U	U	.05	UG/L	U
Endrin	U	.1	UG/L	U					U	.4	UG/L	U	U	.1	UG/L	U
Endrin ketone	U	.1	UG/L	U					U	.4	UG/L	U	U	.1	UG/L	U
Heptachlor	U	.05	UG/L	U					U	.2	UG/L	U	U	.05	UG/L	U
Heptachlor epoxide	U	.05	UG/L	U					U	.2	UG/L	U	U	.05	UG/L	U
Isodrin	U	.05	UG/L	U					U	.2	UG/L	U	U	.05	UG/L	U
Kepone	U	.1	UG/L	U					U	.4	UG/L	U	U	.1	UG/L	U
Methoxychlor	U	.5	UG/L	U					U	2	UG/L	U	U	.5	UG/L	U
Toxaphene	U	1	UG/L	U					U	4	UG/L	U	U	1	UG/L	U
alpha-BHC	U	.05	UG/L	U					U	.2	UG/L	U	U	.05	UG/L	U
alpha-Chlordane	U	.5	UG/L	U					U	2	UG/L	U	U	.5	UG/L	U
beta-BHC	U	.05	UG/L	U					U	.2	UG/L	U	U	.05	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765		
Sample ID:	063921				063925				063945		
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Aroclor-1221	U	.5	UG/L	U	U	2.5	UG/L	U				
Aroclor-1232	U	.5	UG/L	U	U	2.5	UG/L	U				
Aroclor-1242	U	.5	UG/L	U	U	2.5	UG/L	U				
Aroclor-1248	U	.5	UG/L	U	U	2.5	UG/L	U				
Aroclor-1254	U	1	UG/L	U	U	5	UG/L	U				
Aroclor-1260	U	1	UG/L	U	U	5	UG/L	U				
Dieldrin	U	.1	UG/L	U	U	.5	UG/L	U				
Endosulfan II	U	.1	UG/L	U	U	.5	UG/L	U				
Endosulfan sulfate	U	.1	UG/L	U	U	.5	UG/L	U				
Endosulfan-I	U	.05	UG/L	U	U	.25	UG/L	U				
Endrin	U	.1	UG/L	U	U	.5	UG/L	U				
Endrin ketone	U	.1	UG/L	U	U	.5	UG/L	U				
Heptachlor	U	.05	UG/L	U	U	.25	UG/L	U				
Heptachlor epoxide	U	.05	UG/L	U	U	.25	UG/L	U				
Isodrin	U	.05	UG/L	U	U	.25	UG/L	U				
Kepone	U	.1	UG/L	U	U	.5	UG/L	U				
Methoxychlor	U	.5	UG/L	U	U	2.5	UG/L	U				
Toxaphene	U	1	UG/L	U	U	5	UG/L	U				
alpha-BHC	U	.05	UG/L	U	U	.25	UG/L	U				
alpha-Chlordane	U	.5	UG/L	U	U	2.5	UG/L	U				
beta-BHC	U	.05	UG/L	U	U	.25	UG/L	U				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1766				1766				1765			
Sample ID:	063900				063904				063915				063919			
Sample Date:	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
delta-BHC	U	.05	UG/L	U					U	.2	UG/L	U	U	.05	UG/L	U
gamma-BHC (Lindane)	U	.05	UG/L	U					U	.2	UG/L	U	U	.05	UG/L	U
gamma-Chlordane	U	.5	UG/L	U					U	2	UG/L	U	U	.5	UG/L	U
1,2,4,5-Tetrachlorobenzene									U	10	UG/L	UJ	U	4	UG/L	U
1,2,4-Trichlorobenzene									U	10	UG/L	U	J	4	UG/L	J
1,2-Dichlorobenzene									U	10	UG/L	U	U	10	UG/L	U
1,3,5-Trinitrobenzene									U	10	UG/L	U	U	10	UG/L	U
1,3-Dichlorobenzene									U	10	UG/L	U	U	10	UG/L	U
1,3-Dinitrobenzene									U	10	UG/L	U	U	10	UG/L	U
1,4-Dichlorobenzene									U	10	UG/L	U	U	10	UG/L	U
1,4-Naphthoquinone									U	10	UG/L	UJ	U	10	UG/L	UJ
1-Naphthylamine									U	120	UG/L	U	U	120	UG/L	U
2,3,4,6-Tetrachlorophenol									U	10	UG/L	U	U	10	UG/L	R
2,4,5-Trichlorophenol									U	50	UG/L	U	U	50	UG/L	R
2,4,6-Trichlorophenol									U	10	UG/L	U	U	10	UG/L	R
2,4-Dichlorophenol									U	10	UG/L	U	U	10	UG/L	R
2,4-Dimethylphenol										16	UG/L	U	U	10	UG/L	R
2,4-Dinitrophenol									U	50	UG/L	UJ	U	50	UG/L	R
2,4-Dinitrotoluene									U	10	UG/L	U	U	10	UG/L	U
2,6-Dichlorophenol									U	10	UG/L	U	U	10	UG/L	R
2,6-Dinitrotoluene									U	10	UG/L	U	U	10	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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51129

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1765					1767					1765			
Sample ID:		063921					063925					063945			
Sample Date:		31-OCT-91					05-NOV-91					14-NOV-91			
Top Depth (ft):		N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A			
delta-BHC	U	.05	UG/L	U		U	.25	UG/L	U						
gamma-BHC (Lindane)	U	.05	UG/L	U		U	.25	UG/L	U						
gamma-Chlordane	U	.5	UG/L	U		U	2.5	UG/L	U						
1,2,4,5-Tetrachlorobenzene	U	10	UG/L	UJ		U	10	UG/L	UJ		U	40	UG/L	U	
1,2,4-Trichlorobenzene	J	3	UG/L	U		J	5	UG/L	J		U	40	UG/L	U	
1,2-Dichlorobenzene	U	10	UG/L	U		U	10	UG/L	U		U	40	UG/L	U	
1,3,5-Trinitrobenzene	U	10	UG/L	U		U	10	UG/L	U		U	40	UG/L	UJ	
1,3-Dichlorobenzene	U	10	UG/L	U		U	10	UG/L	U		U	40	UG/L	U	
1,3-Dinitrobenzene	U	10	UG/L	U		U	10	UG/L	U		U	40	UG/L	U	
1,4-Dichlorobenzene	U	10	UG/L	U		U	10	UG/L	U		U	40	UG/L	U	
1,4-Naphthoquinone	U	10	UG/L	UJ		U	10	UG/L	UJ		U	40	UG/L	UJ	
1-Naphthylamine	U	120	UG/L	U		U	120	UG/L	U		U	480	UG/L	U	
2,3,4,6-Tetrachlorophenol	U	10	UG/L	R		U	10	UG/L	U		U	40	UG/L	U	
2,4,5-Trichlorophenol	U	51	UG/L	R		U	50	UG/L	U		U	200	UG/L	U	
2,4,6-Trichlorophenol	U	10	UG/L	R		U	10	UG/L	U		U	40	UG/L	U	
2,4-Dichlorophenol	U	10	UG/L	R		U	10	UG/L	U		U	40	UG/L	U	
2,4-Dimethylphenol	U	10	UG/L	R		U	10	UG/L	UJ		U	40	UG/L	U	
2,4-Dinitrophenol	J	24	UG/L	J		U	50	UG/L	UJ		U	200	UG/L	U	
2,4-Dinitrotoluene	U	10	UG/L	U		U	10	UG/L	U		U	40	UG/L	U	
2,6-Dichlorophenol	U	10	UG/L	R		U	10	UG/L	U		U	40	UG/L	UJ	
2,6-Dinitrotoluene	U	10	UG/L	U		U	10	UG/L	U		U	40	UG/L	U	

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1766				1766				1765		
Sample ID:	063900				063904				063915				063919		
Sample Date:	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
2-Acetylaminofluorene									U	10	UG/L	U	U	10	UG/L	U
2-Chloronaphthalene									U	10	UG/L	U	U	10	UG/L	U
2-Chlorophenol									U	10	UG/L	U	U	10	UG/L	R
2-Methylnaphthalene									U	10	UG/L	U	U	10	UG/L	U
2-Methylphenol									U	10	UG/L	U	U	10	UG/L	R
2-Naphthylamine									U	170	UG/L	U	U	170	UG/L	U
2-Nitroaniline									U	50	UG/L	U	U	50	UG/L	U
2-Nitrophenol									U	10	UG/L	U	U	10	UG/L	R
2-Picoline									U	70	UG/L	U	U	70	UG/L	U
3,3'-Dichlorobenzidine									U	20	UG/L	U	U	20	UG/L	U
3,3'-Dimethylbenzidine									U	80	UG/L	U	U	80	UG/L	U
3-Methylcholanthrene									U	30	UG/L	UJ	U	30	UG/L	UJ
3-Methylphenol										120	UG/L	U	J	9	UG/L	J
3-Nitroaniline									U	50	UG/L	U	U	50	UG/L	U
4,6-Dinitro-2-methylphenol									U	50	UG/L	U	U	50	UG/L	R
4-Aminobiphenyl									U	50	UG/L	U	U	50	UG/L	U
4-Bromophenyl phenyl ether									U	10	UG/L	U	U	10	UG/L	U
4-Chloro-3-methylphenol									U	10	UG/L	U	U	10	UG/L	R
4-Chloroaniline									U	10	UG/L	U	U	10	UG/L	U
4-Chlorophenylphenyl ether									U	10	UG/L	U	U	10	UG/L	U
4-Methylphenol										81	UG/L	J	J	6	UG/L	J

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

051129

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
2-Acetylaminofluorene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
2-Chloronaphthalene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
2-Chlorophenol	U	10	UG/L	R	U	10	UG/L	U	U	40	UG/L	U
2-Methylnaphthalene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
2-Methylphenol	U	10	UG/L	R	U	10	UG/L	U	U	40	UG/L	U
2-Naphthylamine	U	170	UG/L	U	U	170	UG/L	U	U	680	UG/L	U
2-Nitroaniline	U	51	UG/L	U	U	50	UG/L	U	U	200	UG/L	U
2-Nitrophenol	U	10	UG/L	R	U	10	UG/L	U	U	40	UG/L	U
2-Picoline	U	71	UG/L	U	U	70	UG/L	U	U	280	UG/L	U
3,3'-Dichlorobenzidine	U	20	UG/L	U	U	20	UG/L	U	U	80	UG/L	U
3,3'-Dimethylbenzidine	U	82	UG/L	U	U	80	UG/L	U	U	320	UG/L	U
3-Methylcholanthrene	U	31	UG/L	UJ	U	30	UG/L	UJ	U	120	UG/L	U
3-Methylphenol	J	6	UG/L	J		33	UG/L	U	U	40	UG/L	U
3-Nitroaniline	U	51	UG/L	U	U	50	UG/L	U	U	200	UG/L	U
4,6-Dinitro-2-methylphenol	U	51	UG/L	R	U	50	UG/L	U	U	200	UG/L	U
4-Aminobiphenyl	U	51	UG/L	U	U	50	UG/L	U	U	200	UG/L	U
4-Bromophenyl phenyl ether	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
4-Chloro-3-methylphenol	J	3	UG/L	J	U	10	UG/L	U	U	40	UG/L	U
4-Chloroaniline	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
4-Chlorophenylphenyl ether	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
4-Methylphenol	J	4	UG/L	J		22	UG/L	-	U	40	UG/L	U

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FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:																				
Sample ID:	1765				1766				1766				1765							
Sample Date:	063900				063904				063915				063919							
Top Depth (ft):	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91							
Bottom Depth (ft):	N/A				N/A				N/A				N/A							
	N/A				N/A				N/A				N/A							
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
4-Nitroaniline						U	50	UG/L		U	U	50	UG/L		UJ					
4-Nitrophenol						U	50	UG/L		U	U	50	UG/L		R					
4-Nitroquinoline-1-oxide						U	10	UG/L		UJ	U	10	UG/L		UJ					
5-Nitro-o-toluidine						U	20	UG/L		U	U	20	UG/L		U					
7,12-Dimethylbenz(a)anthracene						U	20	UG/L		U	U	20	UG/L		U					
Acenaphthene						U	10	UG/L		U	U	10	UG/L		U					
Acenaphthylene						U	10	UG/L		U	U	10	UG/L		U					
Acetophenone						U	10	UG/L		U	U	10	UG/L		U					
Aniline						U	50	UG/L		U	U	50	UG/L		U					
Anthracene						U	10	UG/L		U	U	10	UG/L		U					
Aramite						U	10	UG/L		U	U	10	UG/L		UJ					
Benzidine						U	50	UG/L		U	U	50	UG/L		U					
Benzo(a)anthracene						U	10	UG/L		U	U	10	UG/L		U					
Benzo(a)pyrene						U	10	UG/L		U	U	10	UG/L		U					
Benzo(b)fluoranthene						U	50	UG/L		U	U	50	UG/L		U					
Benzo(g,h,i)perylene						U	10	UG/L		U	U	10	UG/L		U					
Benzo(k)fluoranthene						U	10	UG/L		U	U	10	UG/L		U					
Benzoic acid						U	10	UG/L		U	U	10	UG/L		U					
Benzyl alcohol						U	10	UG/L		U	U	10	UG/L		U					
Butyl benzyl phthalate						U	10	UG/L		U	U	10	UG/L		U					
Carbazole						U	50	UG/L		U	U	50	UG/L		R					
						U	10	UG/L		U	U	10	UG/L		U					
						U	10	UG/L		U	U	10	UG/L		U					

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Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
4-Nitroaniline	U	51	UG/L	U	U	50	UG/L	U	U	200	UG/L	U
4-Nitrophenol	U	51	UG/L	R	U	50	UG/L	U	U	200	UG/L	U
4-Nitroquinoline-1-oxide	U	10	UG/L	UJ	U	10	UG/L	UJ	U	40	UG/L	R
5-Nitro-o-toluidine	U	20	UG/L	UJ	U	20	UG/L	U	U	80	UG/L	U
7,12-Dimethylbenz(a)anthracene	U	20	UG/L	U	U	20	UG/L	U	U	80	UG/L	U
Acenaphthene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Acenaphthylene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Acetophenone	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Aniline	U	51	UG/L	U	U	50	UG/L	U	U	200	UG/L	U
Anthracene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Aramite	U	10	UG/L	UJ	U	10	UG/L	UJ	U	40	UG/L	UJ
Benzidine	U	51	UG/L	U	U	50	UG/L	U				
Benzo(a)anthracene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Benzo(a)pyrene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Benzo(b)fluoranthene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Benzo(g,h,i)perylene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Benzo(k)fluoranthene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Benzoic acid	J	38	UG/L	J	U	50	UG/L	U	U	200	UG/L	UJ
Benzyl alcohol	U	10	UG/L	U	J	3	UG/L	J	U	40	UG/L	U
Butyl benzyl phthalate	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Carbazole					U	10	UG/L	U				

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1766				1766				1765			
Sample ID:	063900				063904				063915				063919			
Sample Date:	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Chlorobenzilate	U	.1	UG/L	U					U	.4	UG/L	U	U	.1	UG/L	U
Chrysene									U	10	UG/L	U	U	10	UG/L	U
Di-n-butyl phthalate									U	10	UG/L	U	U	10	UG/L	U
Di-n-octyl phthalate									U	10	UG/L	U	U	10	UG/L	U
Diallate									U	10	UG/L	UJ	U	10	UG/L	UJ
Dibenzo(a,h)anthracene									U	10	UG/L	U	U	10	UG/L	U
Dibenzofuran									U	10	UG/L	U	U	10	UG/L	U
Diethyl phthalate									U	10	UG/L	U	U	10	UG/L	U
Dimethyl phthalate									U	10	UG/L	U	U	10	UG/L	U
Dinoseb									U	10	UG/L	U	U	10	UG/L	U
Diphenylamine	U	.7	UG/L	U					U	.71	UG/L	U	U	20	UG/L	UJ
Ethyl methanesulfonate									U	10	UG/L	UJ	U	10	UG/L	UJ
Fluoranthene									U	10	UG/L	U	U	10	UG/L	U
Fluorene									U	10	UG/L	U	U	10	UG/L	U
Hexachlorobenzene									U	10	UG/L	U	U	10	UG/L	U
Hexachlorobutadiene									U	10	UG/L	U	U	10	UG/L	U
Hexachlorocyclopentadiene									U	10	UG/L	U	U	10	UG/L	U
Hexachloroethane									U	10	UG/L	U	U	10	UG/L	U
Hexachlorophene									U	10	UG/L	U	U	10	UG/L	U
Hexachloropropene									U	50	UG/L	U	U	50	UG/L	U
Indeno(1,2,3-cd)pyrene									U	20	UG/L	R	U	20	UG/L	R
									U	10	UG/L	U	U	10	UG/L	U

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Chlorobenzilate	U	.1	UG/L	U	U	.5	UG/L	U				
Chrysene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Di-n-butyl phthalate	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Di-n-octyl phthalate	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Diallate	U	10	UG/L	UJ	U	10	UG/L	UJ	U	40	UG/L	R
Dibenzo(a,h)anthracene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Dibenzofuran	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Diethyl phthalate	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Dimethyl phthalate	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Dinoseb	U	.7	UG/L	U	U	.71	UG/L	UJ	U	80	UG/L	UJ
Diphenylamine	U	10	UG/L	UJ	U	10	UG/L	UJ	U	40	UG/L	U
Ethyl methanesulfonate	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Fluoranthene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Fluorene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Hexachlorobenzene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Hexachlorobutadiene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Hexachlorocyclopentadiene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Hexachloroethane	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Hexachlorophene	U	51	UG/L	U	U	50	UG/L	U	U	200	UG/L	UJ
Hexachloropropene	U	20	UG/L	R	U	20	UG/L	R	U	80	UG/L	UJ
Indeno(1,2,3-cd)pyrene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1766				1766				1765			
Sample ID:	063900				063904				063915				063919			
Sample Date:	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Isophorone									U	10	UG/L	U	U	10	UG/L	U
Isosafrole									U	10	UG/L	U	U	10	UG/L	U
Methapyrilene									U	40	UG/L	UJ	U	40	UG/L	UJ
Methyl methanesulfonate									U	10	UG/L	U	U	10	UG/L	U
N-Nitroso-di-n-propylamine									U	10	UG/L	U	U	10	UG/L	U
N-Nitrosodi-n-butylamine									U	20	UG/L	R	U	20	UG/L	R
N-Nitrosodiethylamine									U	10	UG/L	UJ	U	10	UG/L	UJ
N-Nitrosodimethylamine									U	10	UG/L	U	U	10	UG/L	U
N-Nitrosodiphenylamine									U	10	UG/L	U	U	10	UG/L	U
N-Nitrosomethylethylamine									U	10	UG/L	UJ	U	10	UG/L	UJ
N-Nitrosomorpholine									U	10	UG/L	UJ	U	10	UG/L	UJ
N-Nitrosopiperidine									U	10	UG/L	U	U	10	UG/L	U
N-Nitrosopyrrolidine									U	10	UG/L	R	U	10	UG/L	R
Naphthalene									U	10	UG/L	U	U	10	UG/L	U
Nitrobenzene									U	10	UG/L	U	J	6	UG/L	J
O,O,O-Triethylphosphorothioate									U	31	UG/L	UJ	U	3	UG/L	UJ
Pentachlorobenzene									U	20	UG/L	UJ	U	20	UG/L	UJ
Pentachloroethane									U	20	UG/L	U	U	20	UG/L	U
Pentachloronitrobenzene									U	20	UG/L	UJ	U	20	UG/L	UJ
Pentachlorophenol									U	50	UG/L	U	U	50	UG/L	R
Phenacetin									U	10	UG/L	U	U	10	UG/L	U

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Isophorone	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Isosafrole	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Methapyrilene	U	41	UG/L	UJ	U	40	UG/L	UJ	U	160	UG/L	UJ
Methyl methanesulfonate	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	UJ
N-Nitroso-di-n-propylamine	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	UJ
N-Nitrosodi-n-butylamine	U	20	UG/L	R	U	20	UG/L	UJ	U	80	UG/L	R
N-Nitrosodiethylamine	U	10	UG/L	UJ	U	10	UG/L	UJ	U	40	UG/L	UJ
N-Nitrosodimethylamine	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
N-Nitrosodiphenylamine	U	10	UG/L	U	U	10	UG/L	UJ	U	40	UG/L	U
N-Nitrosomethylethylamine	U	10	UG/L	UJ	U	10	UG/L	UJ	U	40	UG/L	U
N-Nitrosomorpholine	U	10	UG/L	UJ	U	10	UG/L	U	U	40	UG/L	UJ
N-Nitrosopiperidine	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	UJ
N-Nitrosopyrrolidine	U	10	UG/L	R	U	10	UG/L	R	U	40	UG/L	UJ
Naphthalene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Nitrobenzene	J	5	UG/L	J	U	10	UG/L	U	U	40	UG/L	U
O,O,O-Triethylphosphorothioate	U	3	UG/L	UJ	U	3	UG/L	U	U	40	UG/L	UJ
Pentachlorobenzene	U	20	UG/L	UJ	U	20	UG/L	UJ	U	80	UG/L	U
Pentachloroethane	U	20	UG/L	U	U	20	UG/L	U	U	80	UG/L	U
Pentachloronitrobenzene	U	20	UG/L	UJ	U	20	UG/L	UJ	U	80	UG/L	U
Pentachlorophenol	U	51	UG/L	R	U	50	UG/L	U	U	200	UG/L	U
Phenacetin	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U

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Pit 212

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1766				1766				1765			
Sample ID:	063900				063904				063915				063919			
Sample Date:	26-AUG-91				28-AUG-91				30-OCT-91				31-OCT-91			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Phenanthrene									U	10	UG/L	U	U	10	UG/L	U
Phenol									U	10	UG/L	U	U	10	UG/L	R
Phorate									U	31	UG/L	UJ	U	3	UG/L	UJ
Pronamide									U	30	UG/L	U	U	30	UG/L	U
Pyrene									U	10	UG/L	U	U	10	UG/L	U
Pyridine	U	5000	UG/L	UJ					U	10	UG/L	U	U	10	UG/L	U
Safrole									U	10	UG/L	U	U	10	UG/L	U
Sulfotepp									U	31	UG/L	R	U	3	UG/L	UJ
Tributyl phosphate																
Triethylphosphorothioate																
a,a-Dimethylphenethylamine									U	10	UG/L	UJ	U	10	UG/L	UJ
bis(2-Chloroethoxy)methane									U	10	UG/L	U	U	10	UG/L	U
bis(2-Chloroethyl)ether									U	10	UG/L	U	U	10	UG/L	U
bis(2-Chloroisopropyl) ether									U	10	UG/L	U	U	10	UG/L	U
bis(2-Ethylhexyl) phthalate									U	10	UG/L	U	U	10	UG/L	U
o-Toluidine									U	10	UG/L	U	U	10	UG/L	U
p-Dimethylaminoazobenzene									U	30	UG/L	UJ	U	30	UG/L	UJ
p-Phenylenediamine									U	50	UG/L	R	U	50	UG/L	R
1,1,1,2-Tetrachloroethane	U	5	UG/L	U					U	10	UG/L	U	U	10	UG/L	U
1,1,1-Trichloroethane		21	UG/L	-		83	UG/L	J		69	UG/L	J		29	UG/L	J
1,1,2,2-Tetrachloroethane	U	5	UG/L	U	U	5	UG/L	UJ	U	5	UG/L	U	U	5	UG/L	U

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Phenanthrene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Phenol	U	10	UG/L	R	U	10	UG/L	U	U	40	UG/L	U
Phorate	U	3	UG/L	UJ	U	3	UG/L	U				
Pronamide	U	31	UG/L	U	U	30	UG/L	U	U	120	UG/L	U
Pyrene	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Pyridine	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
Safrole	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	UJ
Sulfotepp	U	3	UG/L	UJ	U	3	UG/L	R	U	40	UG/L	U
Tributyl phosphate					U	10	UG/L	U	U	40	UG/L	U
Triethylphosphorothioate												
a,a-Dimethylphenethylamine	U	10	UG/L	UJ	U	10	UG/L	UJ	U	40	UG/L	UJ
bis(2-Chloroethoxy)methane	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
bis(2-Chloroethyl)ether	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
bis(2-Chloroisopropyl) ether	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
bis(2-Ethylhexyl) phthalate	BJ	10	UG/L	UJ	U	10	UG/L	U	U	40	UG/L	U
o-Toluidine	U	10	UG/L	U	U	10	UG/L	U	U	40	UG/L	U
p-Dimethylaminoazobenzene	U	31	UG/L	UJ	U	30	UG/L	UJ	U	120	UG/L	UJ
p-Phenylenediamine	U	51	UG/L	R	U	50	UG/L	UJ	U	200	UG/L	UJ
1,1,1,2-Tetrachloroethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
1,1,1-Trichloroethane		29	UG/L	J	U	5	UG/L	UJ	BJ	5	UG/L	U
1,1,2,2-Tetrachloroethane	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765					1766					1766					1765		
Sample ID:	063900					063904					063915					063919		
Sample Date:	26-AUG-91					28-AUG-91					30-OCT-91					31-OCT-91		
Top Depth (ft):	N/A					N/A					N/A					N/A		
Bottom Depth (ft):	N/A					N/A					N/A					N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
1,1,2-Trichloroethane	U	5	UG/L	U	U		5	UG/L	UJ	U		5	UG/L	U	U		5	UG/L	U	
1,1-Dichloroethane		52	UG/L	-	J		4	UG/L	J	U		5	UG/L	UJ			47	UG/L	J	
1,1-Dichloroethene		15	UG/L	-			7	UG/L	J	J		3	UG/L	J			14	UG/L	U	
1,2,3-Trichloropropane	U	5	UG/L	U						U		10	UG/L	UJ	U		10	UG/L	UJ	
1,2-Dibromo-3-chloropropane	U	10	UG/L	UJ						U		10	UG/L	U	U		10	UG/L	U	
1,2-Dibromoethane	U	5	UG/L	U						U		10	UG/L	U	U		10	UG/L	U	
1,2-Dichloroethane	J	3	UG/L	J			9	UG/L	J			7	UG/L	-	U		5	UG/L	U	
1,2-Dichloroethylene	U	5	UG/L	U		U	5	UG/L	UJ	U		5	UG/L	U	U		5	UG/L	U	
1,2-Dichloropropane	U	5	UG/L	U		U	5	UG/L	UJ	U		5	UG/L	U	U		5	UG/L	U	
1,4-Dioxane	J	64.9	UG/L	J						U		200	UG/L	R	U		200	UG/L	U	
2-Butanone		17	UG/L	J		B	110	UG/L	J			29	UG/L	-			20	UG/L	U	
2-Chloro-1,3-butadiene	U	5	UG/L	UJ						U		10	UG/L	U	U		10	UG/L	U	
2-Hexanone	J	3	UG/L	J			60	UG/L	J	B		50	UG/L	J	BJ		3	UG/L	UJ	
3-Chloropropene	U	5	UG/L	UJ						U		10	UG/L	U	U		10	UG/L	U	
4-Methyl-2-pentanone		59	UG/L	-			33	UG/L	J			17	UG/L	-			21	UG/L	-	
Acetone	B	54	UG/L	R		B	70	UG/L	UJ	B		79	UG/L	U	B		88	UG/L	U	
Acetonitrile	BU	1000	UG/L	R								180	UG/L	-	U		20	UG/L	U	
Acrolein	U	10	UG/L	R								21	UG/L	-	U		20	UG/L	U	
Acrylonitrile	U	10	UG/L	R								34	UG/L	J	U		20	UG/L	U	
Benzene	U	5	UG/L	UJ		J	2	UG/L	J	U		5	UG/L	U	U		5	UG/L	U	
Bromodichloromethane	U	5	UG/L	U		U	5	UG/L	UJ	U		5	UG/L	U	U		5	UG/L	U	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

5129

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765					1767					1765			
Sample ID:	063921					063925					063945			
Sample Date:	31-OCT-91					05-NOV-91					14-NOV-91			
Top Depth (ft):	N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
1,1,2-Trichloroethane	U	5	UG/L	U		U	5	UG/L	UJ		U	5	UG/L	U	
1,1-Dichloroethane		48	UG/L	J			10	UG/L	-		U	5	UG/L	U	
1,1-Dichloroethene		14	UG/L	-		U	5	UG/L	U		U	5	UG/L	U	
1,2,3-Trichloropropane	U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
1,2-Dibromo-3-chloropropane	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
1,2-Dibromoethane	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
1,2-Dichloroethane	J	2	UG/L	J		U	5	UG/L	U		U	5	UG/L	U	
1,2-Dichloroethylene	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	
1,2-Dichloropropane	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	
1,4-Dioxane	J	60	UG/L	J			290	UG/L	R		U	200	UG/L	R	
2-Butanone		16	UG/L	-		B	36	UG/L	-		U	10	UG/L	U	
2-Chloro-1,3-butadiene	U	10	UG/L	U		U	10	UG/L	R		U	10	UG/L	U	
2-Hexanone	U	10	UG/L	UJ			10	UG/L	J		U	10	UG/L	U	
3-Chloropropene	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	UJ	
4-Methyl-2-pentanone		19	UG/L	-			110	UG/L	J		U	10	UG/L	U	
Acetone	B	72	UG/L	U		BD	300	UG/L	J		U	10	UG/L	UJ	
Acetonitrile	JX	13	UG/L	UJ		U	20	UG/L	U		U	20	UG/L	U	
Acrolein	U	20	UG/L	U		U	20	UG/L	R		U	20	UG/L	UJ	
Acrylonitrile	U	20	UG/L	R		U	20	UG/L	R		U	20	UG/L	R	
Benzene	U	5	UG/L	U		J	2	UG/L	J		U	5	UG/L	U	
Bromodichloromethane	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	

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FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765					1766					1766					1765		
Sample ID:	063900					063904					063915					063919		
Sample Date:	26-AUG-91					28-AUG-91					30-OCT-91					31-OCT-91		
Top Depth (ft):	N/A					N/A					N/A					N/A		
Bottom Depth (ft):	N/A					N/A					N/A					N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Bromoform	U	5	UG/L	U		U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Bromomethane	U	10	UG/L	U		U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
Carbon Tetrachloride	U	5	UG/L	U		U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Carbon disulfide	U	5	UG/L	U		U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Chlorobenzene	U	5	UG/L	UJ		U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Chloroethane	U	10	UG/L	U		U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
Chloroform	J	1	UG/L	J		D	1300	UG/L	J		D	860	UG/L	-		J	5	UG/L	J	
Chloromethane	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
Dibromochloromethane	U	5	UG/L	U		U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Dibromomethane	U	10	UG/L	U							U	10	UG/L	UJ		U	10	UG/L	UJ	
Dichlorodifluoromethane	U	200	UG/L	UJ							U	200	UG/L	U		U	200	UG/L	U	
Ethyl cyanide	U	100	UG/L	R								18	UG/L	-		U	10	UG/L	U	
Ethyl methacrylate	U	10	UG/L	U							U	10	UG/L	U		U	10	UG/L	U	
Ethylbenzene	J	4	UG/L	J			16	UG/L	J			8	UG/L	-		J	4	UG/L	J	
Iodomethane	U	5	UG/L	U							U	10	UG/L	U		U	10	UG/L	U	
Isobutyl alcohol	BU	3000	UG/L	R							J	22	UG/L	UJ		U	200	UG/L	UJ	
Methacrylonitrile	U	10	UG/L	R							U	10	UG/L	U		U	10	UG/L	U	
Methyl methacrylate	BU	10	UG/L	UJ							U	10	UG/L	U		U	10	UG/L	U	
Methylene chloride	B	26	UG/L	U		B	20	UG/L	UJ		B	10	UG/L	U		B	21	UG/L	U	
Styrene	U	5	UG/L	UJ		U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Tetrachlorethene	U	5	UG/L	U			47	UG/L	J			18	UG/L	-		U	5	UG/L	U	

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Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Bromoform	U	5	UG/L	U	U	5	UG/L	UJ	U	5	UG/L	U
Bromomethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Carbon Tetrachloride	U	5	UG/L	U	U	5	UG/L	UJ	U	5	UG/L	U
Carbon disulfide	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Chlorobenzene	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Chloroethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Chloroform	J	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Chloromethane	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	U
Dibromochloromethane	U	5	UG/L	U	U	5	UG/L	UJ	U	5	UG/L	U
Dibromomethane	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	U
Dichlorodifluoromethane	U	200	UG/L	U	U	200	UG/L	R	U	200	UG/L	R
Ethyl cyanide	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Ethyl methacrylate	U	10	UG/L	U	U	10	UG/L	UJ	U	10	UG/L	U
Ethylbenzene	J	3	UG/L	J	U	5	UG/L	U	U	5	UG/L	U
Iodomethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Isobutyl alcohol	J	10	UG/L	UJ	J	33	UG/L	J	U	200	UG/L	U
Methacrylonitrile	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Methyl methacrylate	U	10	UG/L	U	U	10	UG/L	UJ	U	10	UG/L	U
Methylene chloride	B	22	UG/L	U	B	25	UG/L	-	U	5	UG/L	U
Styrene	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Tetrachlorethene	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U

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FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765					1766					1766					1765				
Sample ID:	063900					063904					063915					063919				
Sample Date:	26-AUG-91					28-AUG-91					30-OCT-91					31-OCT-91				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	N/A					N/A					N/A					N/A				
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Toluene	J	1	UG/L	J			16	UG/L	J			9	UG/L	-		J	1	UG/L	J	
Total xylenes		16	UG/L	J			32	UG/L	J		B	33	UG/L	-		B	16	UG/L	-	
Trichloroethene	U	5	UG/L	U			9	UG/L	J			9	UG/L	-		J	1	UG/L	J	
Trichlorofluoromethane	U	5	UG/L	UJ							U	10	UG/L	U		U	10	UG/L	U	
Vinyl Acetate	U	10	UG/L	U		U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
Vinyl chloride	J	2	UG/L	J		U	10	UG/L	UJ		U	10	UG/L	U		J	2	UG/L	J	
cis-1,3-Dichloropropene	U	5	UG/L	U		U	5	UG/L	UJ		U	5	UG/L	UJ		U	5	UG/L	UJ	
trans-1,3-Dichloropropene	U	5	UG/L	U		U	5	UG/L	UJ		U	5	UG/L	UJ		U	5	UG/L	UJ	
trans-1,4-Dichloro-2-butene	U	100	UG/L	U							U	10	UG/L	UJ		U	10	UG/L	UJ	

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1991 RI/FS - Pit 1
Pit Leachate Organic Results

Well/Boring:	1765				1767				1765			
Sample ID:	063921				063925				063945			
Sample Date:	31-OCT-91				05-NOV-91				14-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Toluene	J	1	UG/L	J	J	4	UG/L	J	U	5	UG/L	U
Total xylenes	B	15	UG/L	-	J	4	UG/L	J	U	5	UG/L	U
Trichloroethene	J	1	UG/L	J	U	5	UG/L	U	U	5	UG/L	U
Trichlorofluoromethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Vinyl Acetate	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	UJ
Vinyl chloride	J	2	UG/L	J	U	10	UG/L	U	U	10	UG/L	U
cis-1,3-Dichloropropene	U	5	UG/L	UJ	U	5	UG/L	U	U	5	UG/L	U
trans-1,3-Dichloropropene	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	U
trans-1,4-Dichloro-2-butene	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	UJ

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FEMP OU1RI-5 USEPA

A.2

PIT 2

A.2.1

PIT 2
PIT MATERIAL

A.2.1.1

PIT 2
PIT MATERIAL
VISUAL CLASSIFICATION OF SOILS

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 02-01 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481556.09,1378520.63	DATE OF COMPLETION: 4/16/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	2/6/ 50/67	16	12 inches brown (7.5YR 4/4) CLAY with grass and roots grading downwards into brownish black (7.5YR 2/0) sandy siltstone (?); slightly moist; medium stiff.	Cl	NA	200 cpm (brown) 550 cpm (black material)
2 4	NA	17/29/ 31/18	13	Brownish black (7.5YR 2/0) sandy siltstone material (coarse to medium grained) possibly fly ash (?); 0-6% filters (?)s with reddish strands or hairs; dry to moist, medium stiff.	Ml	NA	T 3000 cpm OVA 400 ppm B 350 cpm
4 6	NA	18/35/ 40/34	22	Brownish-black (7.5YR 2/0) to light brownish-gray (2.5 YR 6/2), silty material (fly ash ?) minor lime green (VF) material, minor pale red (10YR 5/8) clayey material ~0-5%; 0-10% (1/8 to 1 inch) rock (quartz) clasts, slightly moist, medium stiff.	OT	NA	T 1500 cpm B 20001 cpm
6 8	NA	3/6/ 36/36	24	Black (10YR 2.5/1) silty (coarse to medium grained) grading downward into silty clay (possibly grease) at the bottom; minor (0-10%) light yellowish-brown (10YR 6/4) clayey material; minor (0-8%) white (10YR 2/2) clayey (?) material; wet, minor organic material, ~0-3%, soft, medium stiff.	OT	NA	20000 cpm (white material) 10000 cpm (black greasy material) 2000 cpm (rest of sample)
8 10	NA	2/1/ 0/0	0	No recovery	NA	NA	No readings
				Total Depth = 10 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #46, Field Sampling Log Book #42A.

T - top of sample B - Bottom of sample

cpm - counts per minute read with HP-210T Samples FMP-PS-02-007, 008, & 009 are composites of entire boring.

FERNALD/02-01.DRW/mb/8-6-93

-5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 02-02 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481479.47,1878578.63	DATE OF COMPLETION: 4/14/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	4/7/ 20/24	17.5	9 inches dark grayish-brown to yellowish-brown (10YR 5/6) clay underlain by dark brown-black (10YR 2/2), very hard to hard clayey siltstone (?); minor (0-5%) lime green to olive yellow (5Y 6/8) clayey material; moist; abundant roots at upper 5 inches of sample.	NA	NA	500 cpm (clay) 30000 cpm (lime green material)
2 4	NA	34/59/ 139/89	0	No recovery taken although chunks of concrete were seen with rocks up to one inch in diameter.	NA	NA	No readings
4 6	NA	18/5/ 3/5	0	No recovery taken although chunks of concrete were encountered with rocks up to .75 inches in diameter.	NA	NA	No readings
6 8	NA	11/8/ 4/1	0	No recovery	NA	NA	No readings
8 10	NA	1/1/ 1/1	20.5	Very pale brown (10YR 7/1) to white (10YR 8/2) clayey material (sludge ?) banded appearance (light and dark colors approximately two inches thick seperated by a clear to white 1/8 to 1/4" band); slightly moist.	NA	NA	T 1500 cpm B 3000 cpm
10 12	NA	12/7/ 9/10	0	No recovery	NA	NA	No readings
				Total Depth = 12 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #46, Field Sampling Log Book #42A.

T - Top of sample B - Bottom of sample

cpm - counts per minute read with HP-210T Samples FMP-PS-02-002 is a composite of entire boring.

FERNALD/02-02.DRW/mb/8-6-93

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VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 02-03 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481477.47,1378468.50	DATE OF COMPLETION: 4/17/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-02-020 FMP-PS-02-021	6/31/ 53/30	15 1/2"	7" yellowish brown (10 YR 5/8) clay, trace silt wet top, moist toward bottom. 5" very dark gray (10 YR 8/1) coarse to fine sand little (+) clay, trace silt, opaque coarse sand size material mixed throughout concentrated at top also grayish green (5G 4/2) medium sand size material near top, damp. 1" white (5 Y8/1) fiberous material 2 1/2" yellowish brown (10 YR 5/8) clay trace silt, damp trace medium to fine gravel	NA	NA	250 cpm 500 ppm (from CGI) 1200 cpm 600 cpm
2 4	FMP-PS-02-022 FMP-PS-02-023	5/12/ 23/34	18	4" yellowish brown (10 YR 5/8) above 8" light olive gray (5 Y 6/2) clay, little silt, moist, small, pieces, of wood and dark chard material on top. 6" white (5Y 8/1) coarse to medium sand size material, moist, hard clumps, little yellow (5 Y 7/8)	NA	NA	1600 cpm 300 cpm 800 cpm
4 6	NA	200/6"	1/2	Plug in end of spoon from the white (5Y8/1) material above. the plug was cemented.	NA	NA	no reading
6 8	FMP-PS-02-024	7/9/ 9/14	13	Light yellowish brown (10 YR 6/4) clay trace of sand toward bottom 4 ", wet, mottled, trace (-) medium gravel (gravel 1/16" flat, 1/4"-1/2" diameter)	NA	NA	150 cpm
8 10	FMP-PS-02-025	50/26/ 25/17	7	6" same as above, with little medium to fine (+) gravel; and white (5 Y 8/1) specks throughout saturated. Bottom 1" black (10 YR 2/1) medium to fine sand sand and clay, hard, plugged end of sampler	NA	NA	450 cpm
				Total Depth = 10 FT.			

NOTES:
Visual Classification of soils compiled from Characterization Investigation Study. Geologist Logbook # 44, Field Sampling Logbook # 42A.
Samples FMP-PS-02-017, 018, 019 are composites of the entire boring
cpm - counts per minute read with HP-210T
OVA - background = 1-2 ppm

FERNALD/WEL0203.DRW/9-7-93

-5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 02-04 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481430.44,1378542.25	DATE OF COMPLETION: 4/9/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS -02-030 FMP-PS -02-031	3/6/ 9/30	16	7" yellowish brown (10 YR 5/4) clay, trace (+) silt, damp, roots (grass) grass on top 2" black (10 YR 2/1) fine sand, damp, cemented 8" yellowish brown (10 YR 5/4) clay trace (+) silt, trace of gravel, damp	NA	NA	280 cpm OVA 0.2 ppm 150 cpm
2 4	FMP-PS -02-032 FMP-PS -02-033	10/10/ 10/11	15	Yellowish brown (10 YR 5/3) clay trace (+) silt, moist, some (+) medium to fine gravel gravel is angular to subrounded	NA	NA	150 cpm OVA 10 ppm
4 6	FMP-PS -02-034	3/6/ 7/11	11	Same as above, less gravel little medium (-) to fine (+) gravel, moist, gravel is subrounded to rounded	NA	NA	180 cpm OVA 9 ppm 280 cpm
6 8	FMP-PS -02-035	4/4/ 6/13	9	Same as 2-4 ft. sample. Gravel is little medium to fine grained, angular	NA	NA	100 cpm OVA 0 ppm
8 10	FMP-PS -02-036 FMP-PS -02-037	2/4/ 6/3	16	3" same as above 3" light gray (2.5 Y 7/2), CLAY and silt sized material soft, wet 2" very pale brown (10 YR 7/4) same as above 2" yellow (10 YR 5/6) same as above, form little chunks like apple chunks 3" white (10 YR 8/1) same as above 2" brownish yellow (10 YR 6/8) same as above, less moisture, form little clumps 1" white (10 YR 8/1) same as above	NA	NA	500 cpm OVA 0 ppm 4000 cpm
				Total Depth = 10 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study. Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-02-026, 027, 028, 029 are composites of the entire boring

cpm - counts per minute

FERNALD/WEL0204.DRW/lj/8-7-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 02-05 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481529.03,1378595.00	DATE OF COMPLETION: 4/20/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS -02-041 FMP-PS -02-042	2/9/ 15/27	19	8" yellowish brown (10 YR 5/4) CLAY, trace silt, trace medium to fine gravel on and near (3") surface, grass and roots, wet on surface, damp below 3" 2" black (10 YR 2/1) medium to fine sand moist, loose 6" yellowish brown (10 YR 5/4) CLAY material above 3" light olive brown (2.5 Y 5/4) CLAY, little sand, dry to damp, white (10 YR 8/1) fiberous material dry	NA	NA	T 250 cpm B 200 cpm
2 4	FMP-PS -02-043 NA	6/120-5"	11	10" yellowish brown (10 YR 5/4) CLAY trace silt, trace of gravel damp mottled 1" black (10 YR 2/1) of sand. Subrounded gravel stuck in end of sampler	NA	NA	T 300 cpm OVA = 30 ppm HNu = ND B 250cpm
4 6	FMP-PS -02-044 FMP-PS -02-045	4/7/ 27/17	16 1/2	Same as above 10", wet, at 4" a medium gravel size fibrous material occurs, color yellowish red (5 YR 4/6) medium to fine gravel	NA	NA	no readings
6 8	FMP-PS -02-046	20/20/ 22/12	12	5" same as above, saturated one coarse gravel subround in sample in addition to trace of fine to medium gravel 7" black 5 Y(2.5/1) coarse to fine sand size materials with layers of hard fibrous materials mixed in layers were horizontal at bottom a reddish yellow (5 YR 7/8) color same material (this color was in small area 1" in diameter	NA	NA	600 cpm OVA = 20 ppm
8 10	FMP-PS -02-047 FMP-PS -02-048	3/2/ 2/1	15	White (10 YR 8/1) very pale brown (10 YR 7/4) white (2.5 Y 8/0)- silt sized material soft, occurs as layers of each color mixed throughout. Layers vary in size from 1/2" to 4" all colors, all sizes on top 1/2" the black (5 Y 2.5/1) material was present	NA	NA	T - 1100 cpm B - 1000 cpm
				Total Depth = 10 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study. Geologist Logbook # 44, Field Sampling Logbook #42A.

Samples FMP-PS-02-038, 039, 040 are composites of the entire boring

cpm - counts per minute read with HP-210T

T - Top of sample
B - Bottom of sample

FERNALD/WEL0205.DRW/ij/8-7-93

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1768	COORDINATES: NORTH 481,392.56 EAST 1,378,532.54	DATE: 08/22/91
GROUND ELEVATION: 578.71	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/22/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/23/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 2

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63600	08/22/91 0924	7	6	FIRM (10YR 3/3) DARK BROWN SILTY CLAY, SOME ROUNDED GRAVEL, MODERATE PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =600 cpm
1.0	63601	08/22/91 0924	16	6	FIRM (10YR 3/3) DARK BROWN SILTY CLAY, SOME ROUNDED GRAVEL, MODERATE PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =250 cpm
1.5	63602	08/22/91 0924	28	6	FIRM (10YR 3/3) DARK BROWN SILTY CLAY, SOME ROUNDED GRAVEL, MODERATE PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =600 cpm
2.0	63603	08/22/91 0924	9	4	FIRM (10YR 3/3) DARK BROWN CLAY WITH PIECES OF ANGULAR GRAVEL (ASPHALT?), MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
2.5	63604	08/22/91 0930	7	6	FIRM (10YR 3/2) VERY DARK GRAYISH BROWN CLAY, SOME ROUNDED GRAVEL, GOOD PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
3.0	63605	08/22/91 0930	6	6	SOFT (7.5Y 5/8) STRONG BROWN CLAY-LIKE MATERIAL WITH COARSE SAND, POOR PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =6000 cpm
3.5	63606	08/22/91 0930	6	6	SOFT (7.5Y 5/8) STRONG BROWN CLAY-LIKE MATERIAL WITH COARSE SAND, POOR PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =4000 cpm
4.0	63607	08/22/91 0930	4	6	SOFT (7.5Y 5/8) STRONG BROWN CLAY-LIKE MATERIAL WITH COARSE SAND, POOR PLASTICITY, MOIST.	CL	NA	Hnu=0 p α =0 c βΓ =3000 cpm
6.0	63608	08/22/91 0935		9	SHELBY TUBE PUSHED.			
6.5	63609	08/22/91 0937	3	6	SOFT (5Y 8/1) WHITE CLAY SIZE MATERIAL, PASTEY CONSISTENCY, GOOD PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2500 cpm
7.0	63610	08/22/91 0937	3	6	SOFT (5Y 8/1) WHITE CLAY SIZE MATERIAL, PASTEY CONSISTENCY, GOOD PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
7.5	63611	08/22/91 0945	1	6	SOFT (10YR 7/4) VERY PALE BROWN CLAY-LIKE MATERIAL, PASTEY CONSISTENCY, MOIST, VERTICAL LAYERING.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
8.0	63612	08/22/91 0945	1	6	SOFT (10YR 7/4) VERY PALE BROWN CLAY-LIKE MATERIAL, PASTEY CONSISTENCY, MOIST, VERTICAL LAYERING.			Hnu=0 ppm α =0 cpm βΓ =2500 cpm
8.5	63613	08/22/91 0945	1	6	SOFT (10YR 7/4) VERY PALE BROWN CLAY-LIKE MATERIAL, PASTEY CONSISTENCY, MOIST, VERTICAL LAYERING.			Hnu=0 ppm α =0 cpm βΓ =2200 cpm
9.0	63614	08/22/91 0945	1	6	SOFT (10YR 7/4) VERY PALE BROWN CLAY-LIKE MATERIAL, PASTEY CONSISTENCY, MOIST, VERTICAL LAYERING.			Hnu=0 ppm α =0 cpm βΓ =2000 cpm
9.5	63615	08/22/91 1000	1	0	NO RECOVERY.			
10.0	63616	08/22/91 1000	1	0	NO RECOVERY.			

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1768	COORDINATES: NORTH 481,392.56 EAST 1,378,532.54	DATE: 08/22/91
GROUND ELEVATION: 578.71	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/22/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/23/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 2

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
10.5	63617 08/22/91 1000		1	0	NO RECOVERY.			
11.0	63618 08/22/91 1000		1	0	NO RECOVERY.			
13.0	63619 08/22/91 1007			24	SHELBY TUBE PUSHED, BLOW COUNTS NA.			
13.5	63620 08/22/91 1014		1	6	VERY SOFT (2.5Y N7) LIGHT GRAY CLAY SIZE MATERIAL INTERSPERIED WITH WHITE GRANULAR MATERIAL, WET PASTEY CONSISTE			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
14.0	63621 08/22/91 1014		1	6	VERY SOFT (2.5Y N7) LIGHT GRAY CLAY SIZE MATERIAL INTERSPERIED WITH WHITE GRANULAR MATERIAL, WET PASTEY CONSISTE			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
14.5	63622 08/22/91 1030		1	6	VERY SOFT (2.5Y N7) LIGHT GRAY CLAY SIZE MATERIAL INTERSPERIED WITH WHITE GRANULAR MATERIAL, WET PASTEY CONSISTE			Hnu=0 ppm α =0 cpm βΓ =800 cpm
15.0	63623 08/22/91 1030		11	6	VERY SOFT (2.5Y N7) LIGHT GRAY CLAY SIZE MATERIAL INTERSPERIED WITH WHITE GRANULAR MATERIAL, WET PASTEY CONSISTENCY, PIECE OF GRAPHITE.			Hnu=0 ppm α =0 cpm βΓ =600 c
15.5	63624 08/22/91 1030		17	6	DENSE (10YR 4/4) DARK YELLOWISH BROWN, CLEAN SILTY FINE SAND, MOIST.			Hnu=0 ppm α =0 cpm βΓ =500 cpm
16.0	63625 08/22/91 1345		17	6	DENSE (10YR 4/4) DARK YELLOWISH BROWN, CLEAN SILTY FINE SAND, MOIST.			Hnu=0 ppm α =0 cpm βΓ =500 cpm
16.5	63626 08/22/91 1345		13	6	DENSE (10YR 4/4) DARK YELLOWISH BROWN, CLEAN SILTY FINE SAND, MOIST.			Hnu=0 ppm α =0 cpm βΓ =200 cpm
17.0	63627 08/22/91 1355		12	6	DENSE (10YR 4/4) DARK YELLOWISH BROWN, CLEAN SILTY FINE SAND, MOIST.			Hnu=0 ppm α =0 cpm βΓ =200 cpm
17.5	63628 08/22/91 1411		21	6	VERY HARD (10YR 5/2) GRAYISH BROWN CLAY SAND MIXTURE, LOW PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =200 cpm

BOTTOM OF BORING 17.5

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1769	COORDINATES: NORTH 481,474.32 EAST 1,378,468.56	DATE: 08/20/91
GROUND ELEVATION: 580.62	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/20/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/21/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 3

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63500 08/20/91 1500		3	6	DENSE (10YR 5/8) YELLOWISH BROWN SILTY CLAY, SOME SPARSE ANGULAR GRAVEL, MODERATE CONSITENCY, POOR PLASTICITY, VERY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2800 cpm
1.0	63501 08/20/91 1500		17	6	DENSE (10YR 5/8) YELLOWISH BROWN SILTY CLAY, SOME SPARSE ANGULAR GRAVEL, MODERATE CONSITENCY, POOR PLASTICITY, VERY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2200 cpm
1.5	63502 08/20/91 1500		14	6	DENSE (10YR 2/1) BLACK SILTY WITH SPARSE (5Y 8/8) YELLOW MATERIAL AND SOME CLEAR CRYSTALLINE NODULES, POOR CONSISTENCY & PLASTICITY.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =15000 cpm
2.0	63503 08/20/91 1500		17	6	DENSE (10YR 2/1) BLACK SILTY WITH SPARSE (5Y 8/8) YELLOW MATERIAL AND SOME CLEAR CRYSTALLINE NODULES, POOR CONSISTENCY & PLASTICITY.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =200 cpm
2.5	63504 08/20/91 1507		16	6	DENSE (2.5Y 4/3) OLIVE BROWN CLAY, GOOD CONSISTENCY & PLASTICITY, VERY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
3.0	63505 08/20/91 1507		20	6	DENSE (2.5Y 4/3) OLIVE BROWN CLAY MIXED WITH FRAGMENTS OF CONCRETE, WET.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
3.5	63506 08/20/91 1507		16	0	LARGE PIECES OF CONCRETE - NO RECOVERY.			
4.0	63507 08/20/91 1507		17	0	NO RECOVERY.			
6.0	63508 08/20/91 1515			0	SHELBY TUBE PUSHED 24". TWO ATTEMPTS MADE. NO RECOVERY MATERIAL WAS DISPLACED.			
6.5	63509 08/20/91 1530		5	6	VERY SOFT (2.5Y 6/6) OLIVE YELLOW CLAY, GOOD PLASTICITY, WET.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
7.0	63510 08/20/91 1530		4	6	VERY SOFT (2.5Y 6/6) OLIVE YELLOW CLAY, GOOD PLASTICITY, WET.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1200 cpm
7.5	63511 08/20/91 1530		3	0	VERY SOFT (2.5Y 6/6) OLIVE YELLOW CLAY, GOOD PLASTICITY, WET.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
8.0	63512 08/20/91 1530		3	6	VERY SOFT (2.5Y 6/6) OLIVE YELLOW CLAY, GOOD PLASTICITY, WET.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
8.5	63513 08/20/91 1540		22	6	VERY DENSE (2.5Y 5/4) LIGHT OLIVE BROWN SANDY CLAY WITH ANGULAR GRAVEL GRADING INTO (2.5Y N2/) BLACK GRAVEL, SOME YELLOW MATERIAL, SOME METAL, POOR PLASTICITY, WET.	GC	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
9.0	63514 08/20/91 1540		33	6	VERY DENSE (2.5Y 5/4) LIGHT OLIVE BROWN SANDY CLAY WITH ANGULAR GRAVEL GRADING INTO (2.5Y N2/) BLACK GRAVEL, SOME YELLOW MATERIAL, SOME METAL, POOR PLASTICITY, WET.	GC	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
9.5	63515 08/20/91 1540		25	0	NO RECOVERY.			
10.0	63516 08/20/91 1540		8	0	NO RECOVERY.			

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1769	COORDINATES: NORTH 481,474.32 EAST 1,378,468.56	DATE: 08/20/91
GROUND ELEVATION: 580.62	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/20/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/21/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 3

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
10.5	63517	08/21/91	0833	31	6	VERY DENSE (2.5Y 4/3) OLIVE BROWN CLAY WITH COARSE ANGULAR GRAVEL [CONCRETE], GOOD PLASTICITY, WET.	GC	NA	Hnu=0 ppm α =0 cpm βΓ =900 cpm
11.0	63518	08/21/91	0833	5	6	VERY DENSE (2.5Y 4/3) OLIVE BROWN CLAY WITH COARSE ANGULAR GRAVEL [CONCRETE], GOOD PLASTICITY, WET.	GC	NA	Hnu=0 ppm α =0 cpm βΓ =1100 cpm
11.5	63519	08/21/91	0833	4	0	NO RECOVERY.			
12.0	63520	08/21/91	0833	3	0	NO RECOVERY.			
14.0	63521	08/21/91	0850			SHELBY TUBE PUSHED 24".			
14.5	63522	08/21/91	0856	1	6	VERY LOOSE (5Y 6/3) PALE OLIVE, CLAY-LIKE MATERIAL, PASTEY CONSISTENCY, WET.			Hnu=0 ppm α =120 cpm βΓ =5000 cpm
15.0	63523	08/21/91	0856	1	6	VERY LOOSE (5Y 6/3) PALE OLIVE, CLAY-LIKE MATERIAL, PASTEY CONSISTENCY, WET.			Hnu=0 ppm α =80 cpm βΓ =2000 r
15.5	63524	08/21/91	0856	1	6	VERY SOFT (5Y 8/1) WHITE CLAY-LIKE MATERIAL WITH SOME THIN LAYERS OF BLACK MATERIAL, PASTEY CONSISTENCY, VERY MOIST.	CL	NA	Hnu=0 ppm α =50 cpm βΓ =1500 cpm
16.0	63525	08/21/91	0856	1	6	VERY SOFT (5Y 8/1) WHITE CLAY-LIKE MATERIAL WITH SOME THIN LAYERS OF BLACK MATERIAL, PASTEY CONSISTENCY, VERY MOIST.	CL	NA	Hnu=0 ppm α =20 cpm βΓ =1000 cpm
16.5	63526	08/21/91	0905	1	6	VERY SOFT (2.5Y 6/4) LIGHT YELLOWISH BROWN CLAY-LIKE MATERIAL, PASTEY CONSISTENCY, WET.	CL	NA	Hnu=0 ppm α =20 cpm βΓ =1000 cpm
17.0	63527	08/21/91	0905	1	6	VERY SOFT (2.5Y 6/4) LIGHT YELLOWISH BROWN CLAY-LIKE MATERIAL, PASTEY CONSISTENCY, WET.	CL	NA	Hnu=0 ppm α =60 cpm βΓ =1400 cpm
17.5	63528	08/21/91	0905	1	6	VERY SOFT (5Y 8/1) WHITE CLAY SIZE MATERIAL WITH LAYERS OF BLACK PASTEY CONSISTENCY, WET.	CL	NA	Hnu=0 ppm α =20 cpm βΓ =1000 cpm
18.0	63529	08/21/91	0905	11	6	SOFT (5Y 6/3) PALE OLIVE CLAY SIZE MATERIAL, PASTEY AND LUMPY, WET.	CL	NA	Hnu=0 ppm α =20 cpm βΓ =800 cpm
20.0	63530	08/21/91	0937		24	SHELBY TUBE PUSHED 24". FULL RECOVERY.			
20.5	63531	08/21/91	0952	13	6	VERY SOFT (5Y 8/1) WHITE CLAY SIZE MATERIAL WITH SOME BLACK STREAKING, PASTEY CONSISTENCY, WET.	CL	NA	Hnu=0 ppm α =20 cpm βΓ =1000 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1769	COORDINATES: NORTH 481,474.32 EAST 1,378,468.56	DATE: 08/20/91
GROUND ELEVATION: 580.62	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/20/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/21/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 3

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
21.0	63532	08/21/91	0952	15	6	VERY SOFT (5Y 8/1) WHITE CLAY SIZE MATERIAL WITH SOME BLACK STREAKING, PASTEY CONSISTENCY, WET.	CL	NA	Hnu=0 ppm α =80 cpm βΓ =1400 cpm
21.5	63533	08/21/91	0952	17	6	VERY HARD (2.5Y 4/3) OLIVE BROWN CLAY, VERY MOIST.	CL	>5.0	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
22.0	63534	08/21/91	0952	17	6	THIS IS THE LINER.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =500 cpm

BOTTOM OF BORING 22.0

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1817	COORDINATES: NORTH 481,408.18 EAST 1,378,529.35	DATE: 09/21/91
GROUND ELEVATION: 578.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/21/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 09/21/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 1

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
10.5									
12.5	63875	09/21/91	1140		20	SHELBY TUBE PUSHED.			
13.0									
13.5	63876	09/21/91	1150	1	6	VERY SOFT (10YR, 8/2) WHITE CLAY SIZE MATERIAL STREAKED WITH BLACK, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm

BOTTOM OF BORING

NOTES:

FERNALD RI/FS — VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1818	COORDINATES: NORTH 481,460.4 EAST 1,378,477.46	DATE: 09/20/91
GROUND ELEVATION: 580.0	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/20/9
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 09/20/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 1

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
5.0									
7.5	63865	09/20/91	1310		12	SHELBY TUBE PUSHED 30". 12" OF RECOVERY VERY WET.			
8.0	63866	09/20/91	1400	40	6	VERY DENSE (10YR, 3/3) DARK BROWN SILTY CLAY, FRAGMENTS OF BRICK, VERY WET.			Hnu=0 ppm α =0 cpm βγ =1000 cpm
15.5	63867	09/20/91	1430	2	6	SOFT (10YR, 8/1) WHITE CLAY SIZE MATERIAL STREAKED WITH BLACK, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βγ =480 cpm
20.0									
20.5	63868	09/20/91	1450	4	6	SOFT (7.5YR, N3/) VERY DARK GRAY WITH SMALL NODULES OF WHITE, PASTEY CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βγ =2500

BOTTOM OF BORING

NOTES:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1768
WELL NUMBER: 1768

FIELD ENG./GEO.: M. HARRIS DATE: 08/23/91
CHECKED BY : J. WHEAT DATE: 09/09/91
N,E COORDINATES: 481392.56, 1378532.5
DATE OF INSTAL.: 08/23/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITORING WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 19.5 Ft.
2ND PIPE SECTION: Not Noted
3RD PIPE SECTION: Not Noted
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
OTHER PROTECTION (* NOTED BELOW)
* HINGED LOCKING COVER WITH PADL

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	581.10
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	10.0	N/A	N/A
Bentonite Pellets	10.0	12.0	N/A	N/A
Sand	12.0	17.5	N/A	N/A
PERFORATED SECTION	13.0	17.0	N/A	N/A
WELL TIP	17.5		N/A	
BOTTOM OF BOREHOLE	17.5		561.0	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER DURING WELL INSTALLATION.
COMMENTS:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1769
WELL NUMBER: 1769

FIELD ENG./GEO.: M. HARRIS DATE: 08/21/91
CHECKED BY : J. WHEAT DATE: 09/09/91
N,E COORDINATES: 481474.32, 1378468.5
DATE OF INSTAL.: 08/21/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITORING WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: NA
2ND PIPE SECTION: NA
3RD PIPE SECTION: NA
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER WITH PADL

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	582.61
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	14.0	N/A	N/A
Bentonite Pellets	14.0	16.0	N/A	N/A
Sand	16.0	22.0	N/A	N/A
PERFORATED SECTION	17.5	21.5	N/A	N/A
WELL TIP	22.0		N/A	
BOTTOM OF BOREHOLE	22.0		N/A	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER DURING WELL INSTALLATION.
COMMENTS:

A.2.1.2

PIT 2
PIT MATERIAL
GEOTECHNICAL RESULTS

Name: Jenny Vance
IT Corporation
Date: November 26, 1991
Client Project ID: Fernald OU-1 ETDC Project No.: 484266

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	Fernald	USCS SYMBOL:	ML
PROJECT NO.:	484266	WATER CONTENT, %:	290.0
CUST. SAMPLE NO.:	63619	LIQUID LIMIT:	NP
ETDC SAMPLE NO.:	ETDC-836	PLASTICITY INDEX:	NP
SPECIFIC GRAVITY:	2.8033 (MEASURED)	DRY DENSITY:	19.86 pcf
SOIL CLASSIFICATION:	Silt		

SIEVE ANALYSIS

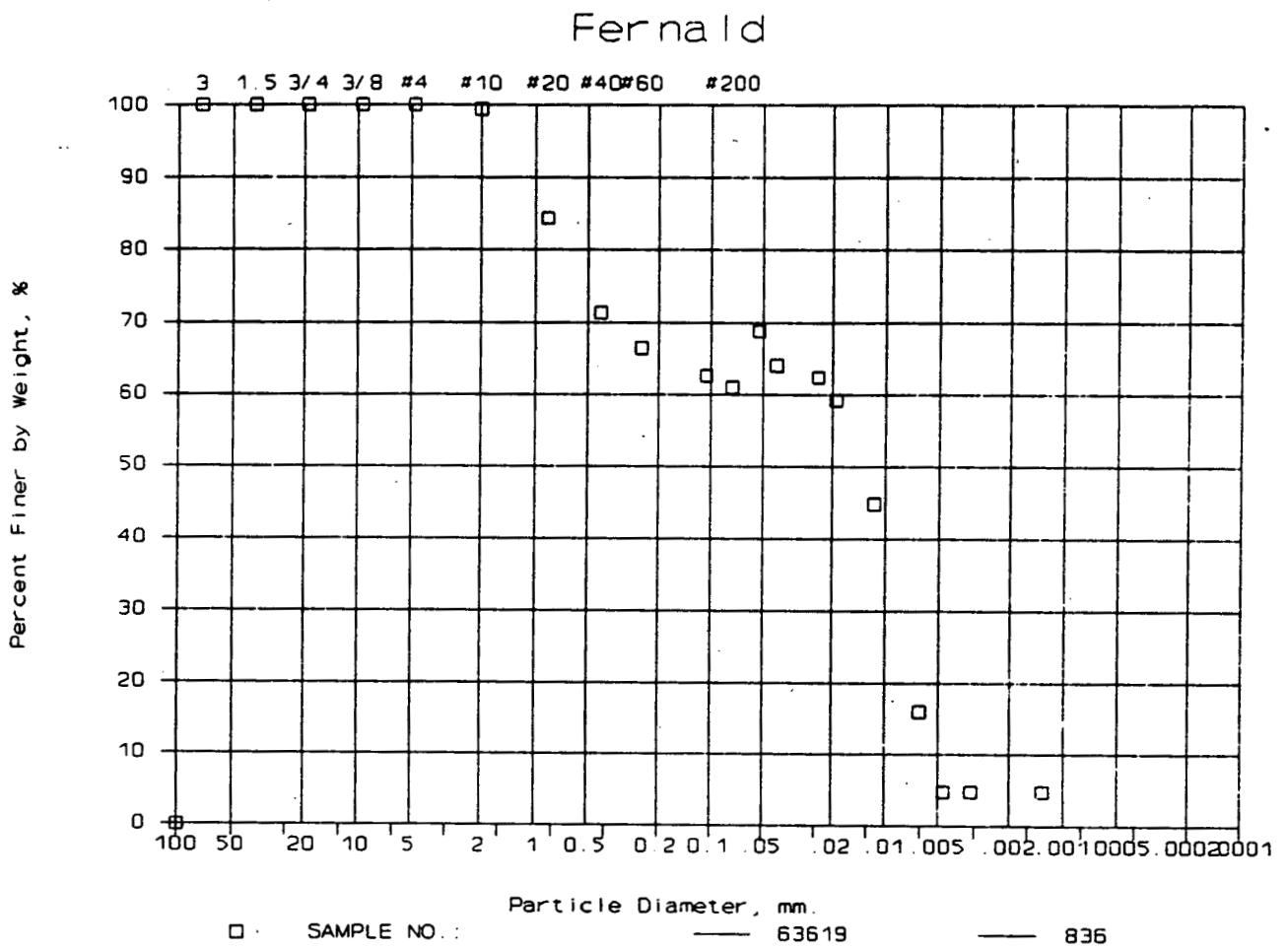
SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	100.0
NO. 10	2.000	99.5
NO. 20	0.850	84.4
NO. 40	0.425	71.3
NO. 60	0.250	66.5
NO. 140	0.106	62.6
NO. 200	0.075	61.0

HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0528	68.8
0.0418	64.0
0.0243	62.4
0.0190	59.2
0.0116	44.8
0.0064	16.0
0.0047	4.8
0.0033	4.8
0.0013	4.8

Name: Jenny Vance
IT Corporation
Date: November 26, 1991
Client Project ID: Fernald OU-1 ETDC Project No.: 484266

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



682-1-89

Name: Jenny Vance
IT Corporation
Date: November 26, 1991
Client Project ID: Fernald OU-1 ETDC Project No.: 484266

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	Fernald	USCS SYMBOL:	ML
PROJECT NO.:	484266	WATER CONTENT, %:	316.6
CUST. SAMPLE NO.:	63619 dup	LIQUID LIMIT:	NP
ETDC SAMPLE NO.:	ETDC-837	PLASTICITY INDEX:	NP
SPECIFIC GRAVITY:	2.7855 (MEASURED)	DRY DENSITY:	18.15 pcf
SOIL CLASSIFICATION:	Silt		

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	100.0
NO. 10	2.000	96.6
NO. 20	0.850	84.1
NO. 40	0.425	77.5
NO. 60	0.250	75.1
NO. 140	0.106	72.7
NO. 200	0.075	71.5

HYDROMETER ANALYSIS

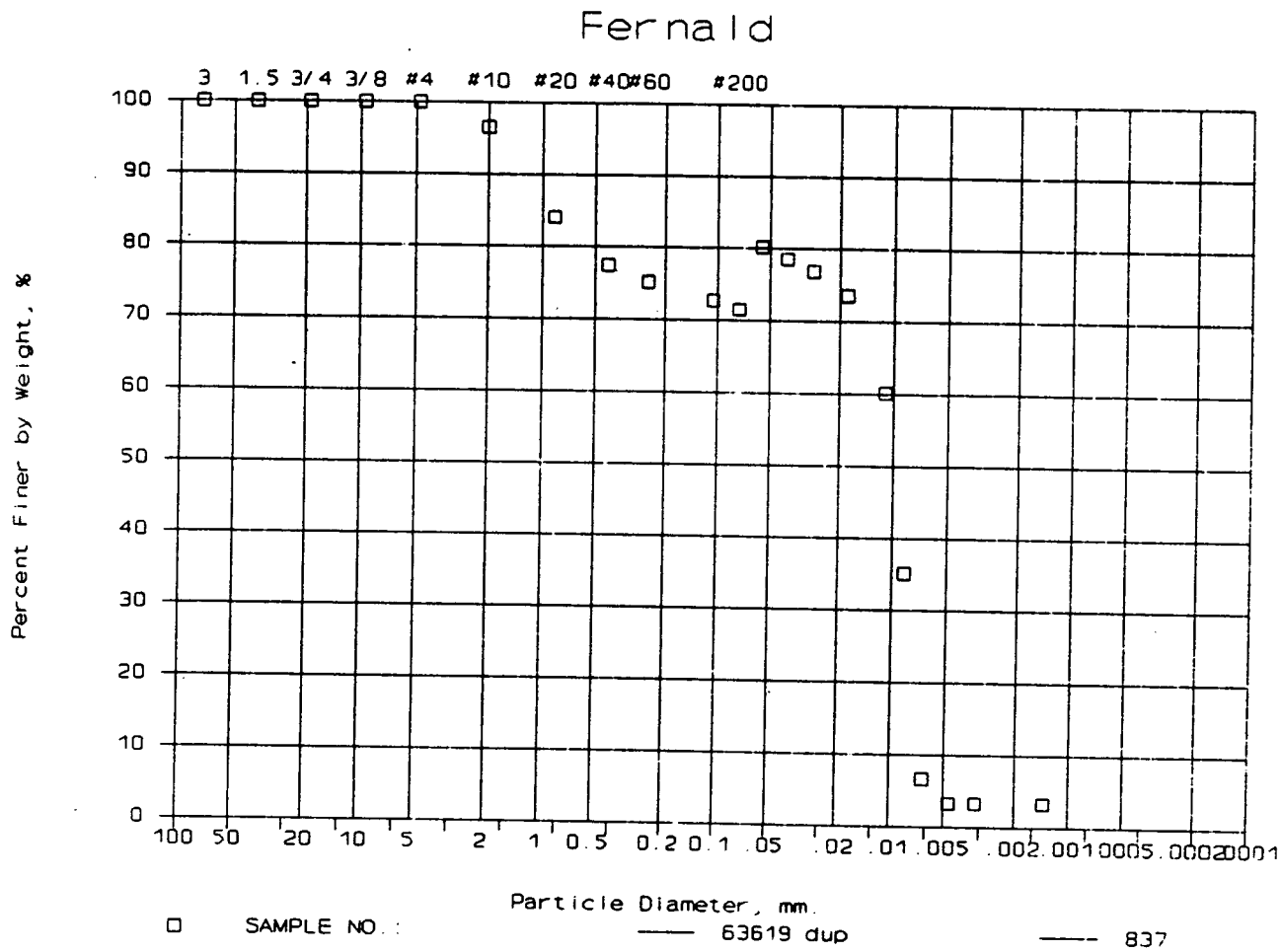
DIAMETER (mm)	PERCENT FINER (%)
0.0557	80.2
0.0397	78.6
0.0283	76.9
0.0182	73.5
0.0111	60.2
0.0086	35.1
0.0066	6.7
0.0047	3.3
0.0033	3.3
0.0014	3.3

682-1-89

-5129

Name: Jenny Vance
IT Corporation
Date: November 26, 1991
Client Project ID: Fernald OU-1 ETDC Project No.: 484266

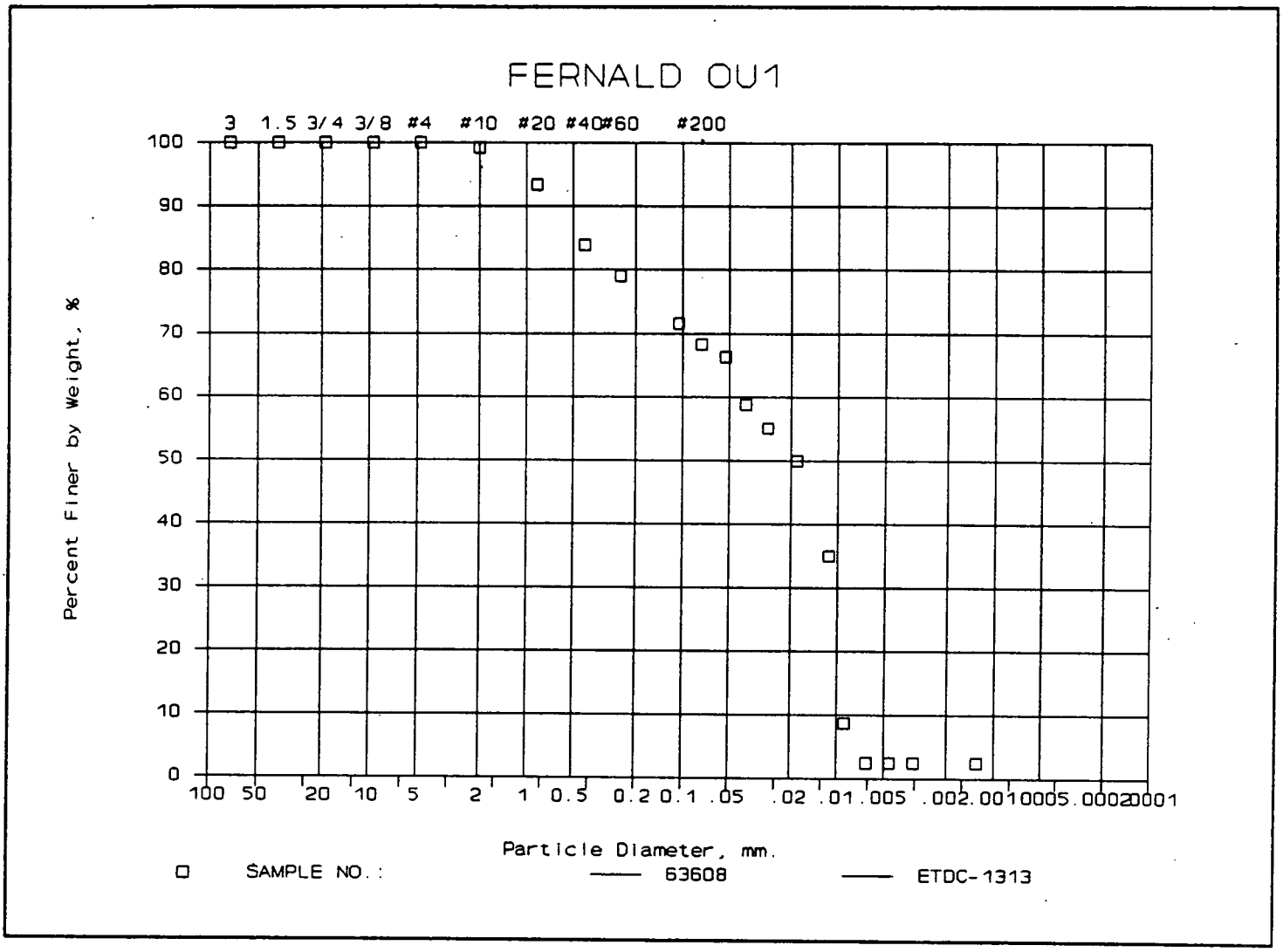
IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



682-1-89

-5129

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	MH
PROJECT NO.:	484285	WATER CONTENT, %:	231.2
CUST. SAMPLE NO.:	63521	LIQUID LIMIT:	117.0
ETDC SAMPLE NO.:	ETDC-1310	PLASTICITY INDEX:	44.0
SPECIFIC GRAVITY:	2.6395 (MEASURED)	UNIT WEIGHT:	78.5 pcf
		COEF. OF PERMEABILITY:	1.3e-7 cm/s

==========SIEVE ANALYSIS==========

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.7
NO. 10	2.000	96.3
NO. 20	0.850	80.9
NO. 40	0.425	70.8
NO. 60	0.250	66.7
NO. 140	0.106	61.8
NO. 200	0.075	59.5

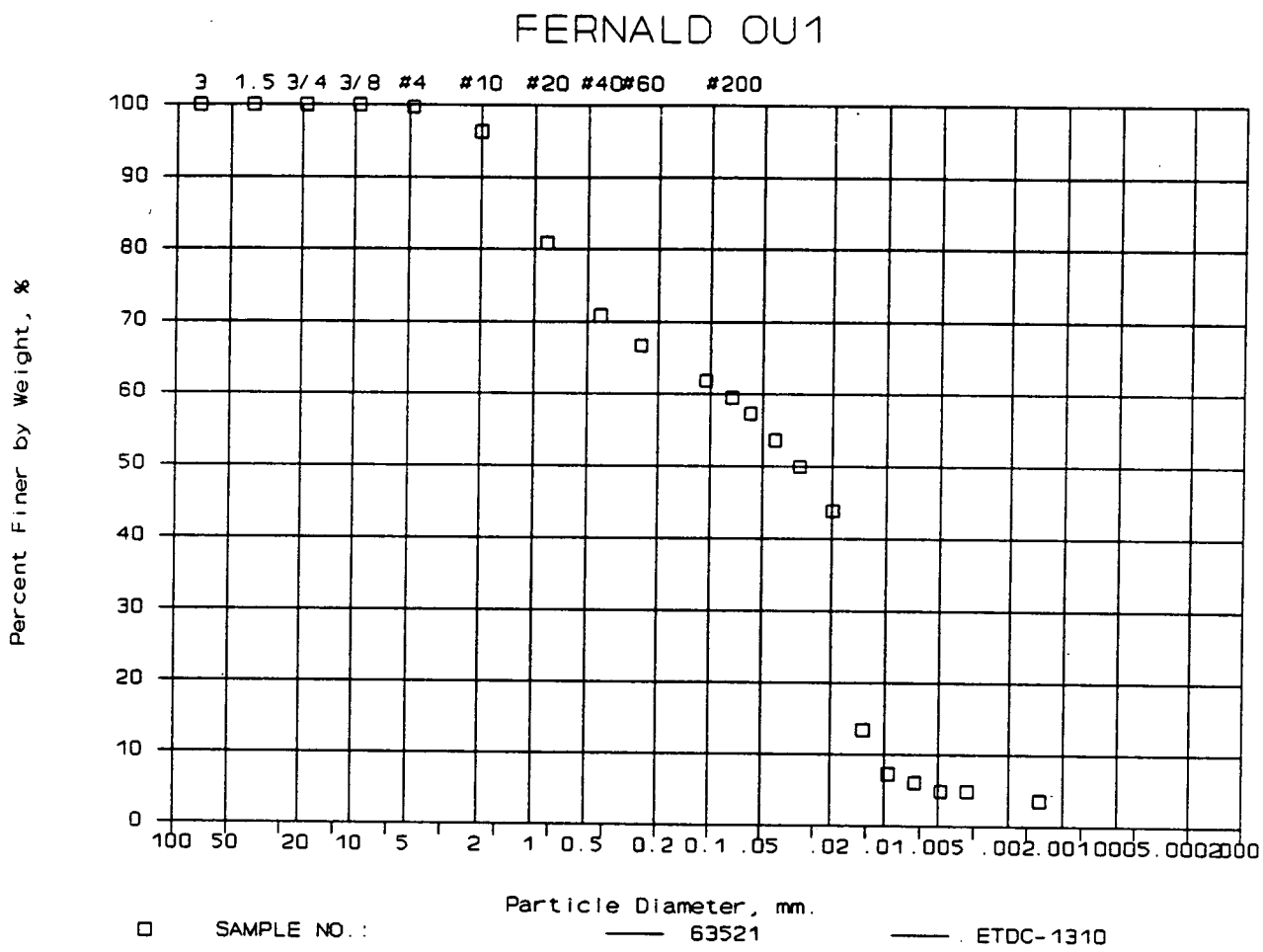
==========HYDROMETER ANALYSIS==========

DIAMETER (mm)	PERCENT FINER (%)
0.0587	57.3
0.0423	53.6
0.0306	49.9
0.0199	43.9
0.0132	13.4
0.0095	7.3
0.0068	6.1
0.0048	4.9
0.0034	4.9
0.0014	3.7

682-1-89

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

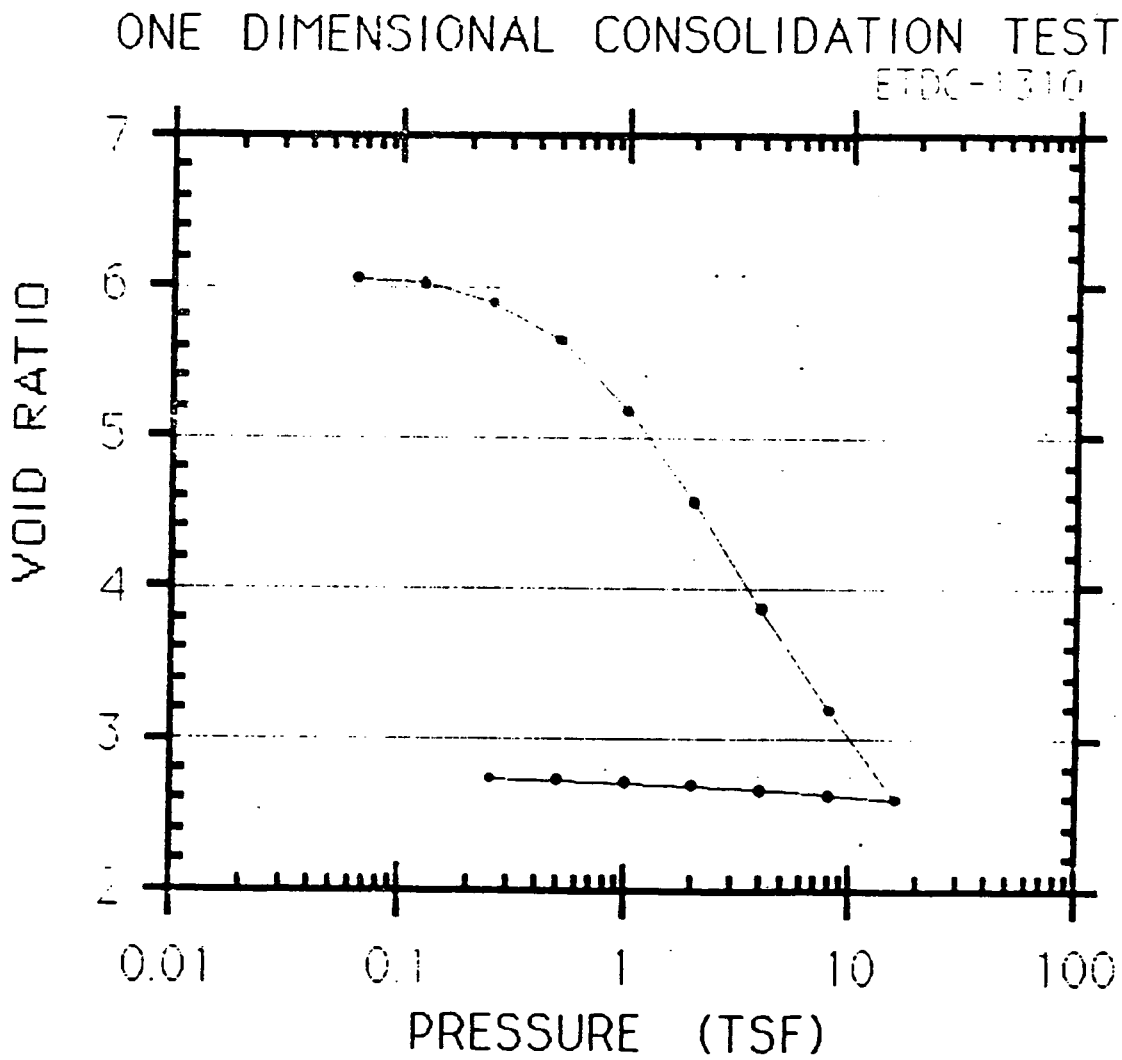


682-689

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ONE DIMENSIONAL CONSOLIDATION TEST RESULTS

PROJECT NAME: FERNALD OU1
PROJECT NO.: 484285
CUST. SAMPLE NO.: 63521
ETDC SAMPLE NO.: ETDC-1310



682-1-89

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	MH
PROJECT NO.:	484285	WATER CONTENT, %:	169.8
CUST. SAMPLE NO.:	63530	LIQUID LIMIT:	181.0
ETDC SAMPLE NO.:	ETDC-1317	PLASTICITY INDEX:	72.0
SPECIFIC GRAVITY:	2.6352 (MEASURED)	REMOLDED UNIT WEIGHT:	116.6 pcf

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	99.9
NO. 4	4.750	98.2
NO. 10	2.000	97.0
NO. 20	0.850	81.8
NO. 40	0.425	69.8
NO. 60	0.250	64.7
NO. 140	0.106	59.6
NO. 200	0.075	58.1

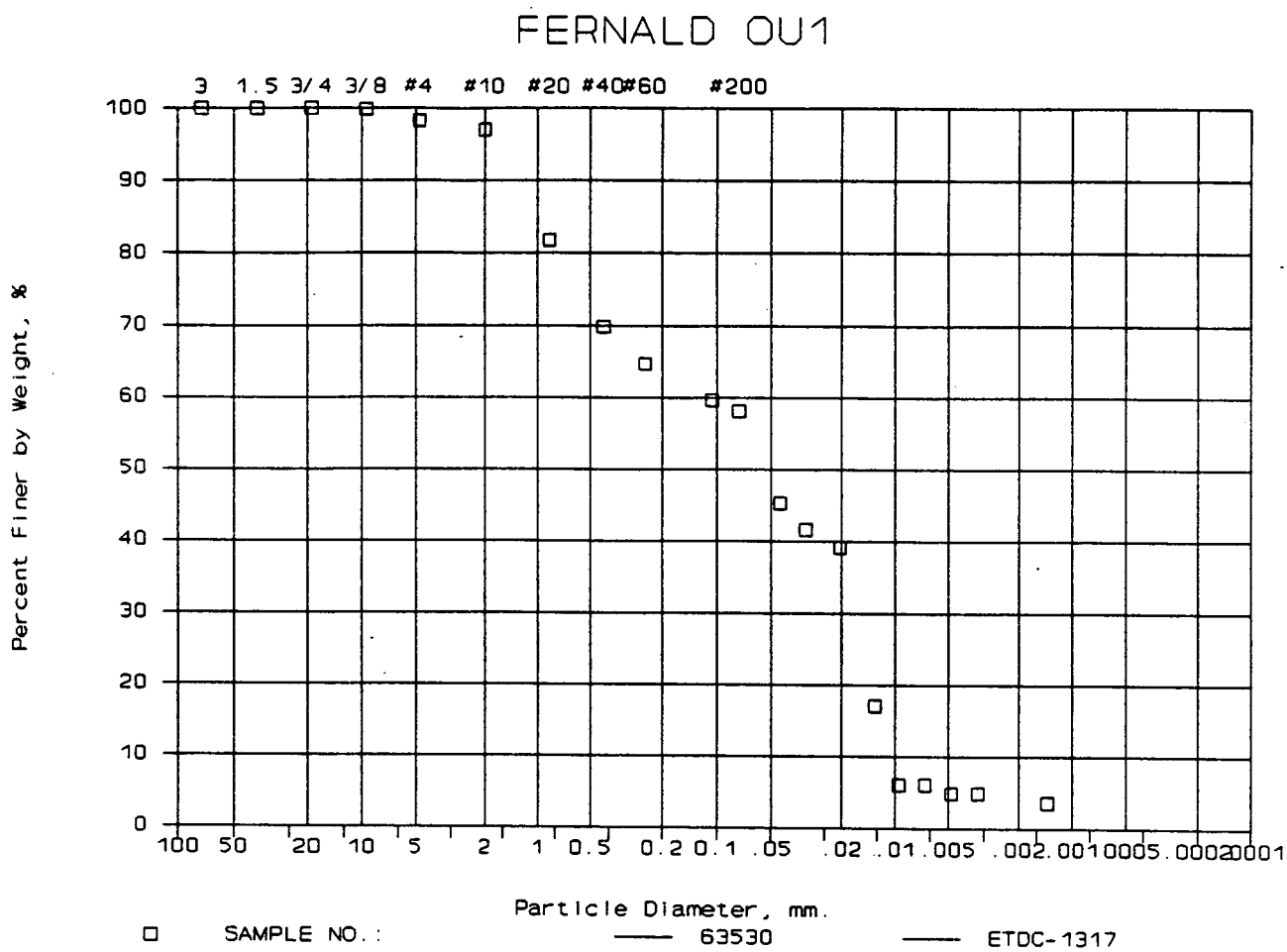
HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0444	45.3
0.0319	41.6
0.0204	39.2
0.0130	17.1
0.0096	6.1
0.0068	6.1
0.0048	4.9
0.0034	4.9
0.0014	3.7

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	ML
PROJECT NO.:	484285	WATER CONTENT, %:	32.7
CUST. SAMPLE NO.:	63875	LIQUID LIMIT:	36.0
ETDC SAMPLE NO.:	ETDC-1315	PLASTICITY INDEX:	8.0
SPECIFIC GRAVITY:	2.6528 (MEASURED)	UNIT WEIGHT:	112.5 pcf

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	83.6
NO. 4	4.750	74.6
NO. 10	2.000	68.0
NO. 20	0.850	55.5
NO. 40	0.425	45.9
NO. 60	0.250	38.6
NO. 140	0.106	30.8
NO. 200	0.075	29.1

HYDROMETER ANALYSIS

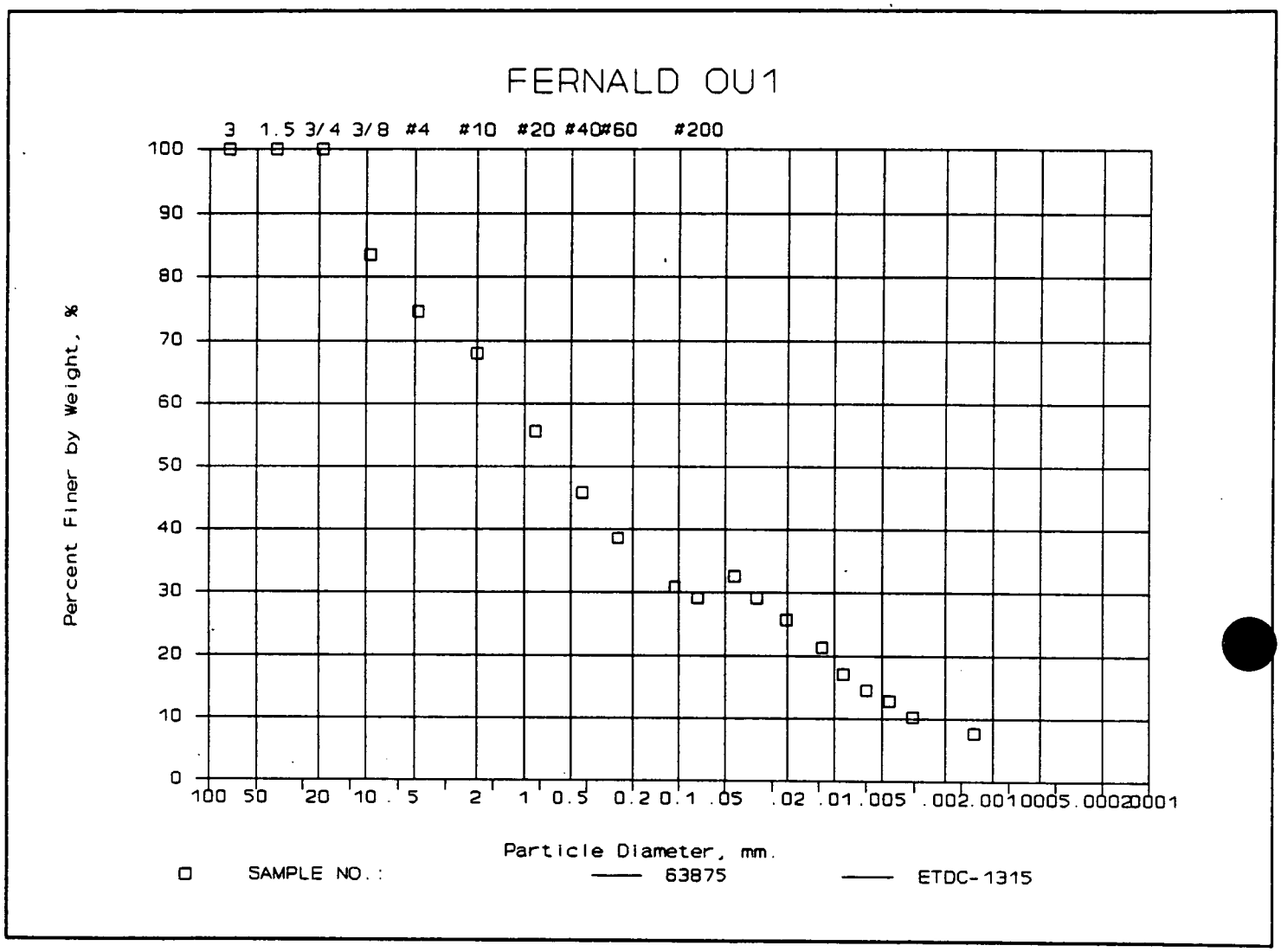
DIAMETER (mm)	PERCENT FINER (%)
0.0434	32.6
0.0314	29.1
0.0204	25.7
0.0121	21.4
0.0088	17.1
0.0063	14.6
0.0045	12.9
0.0032	10.3
0.0013	7.7

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



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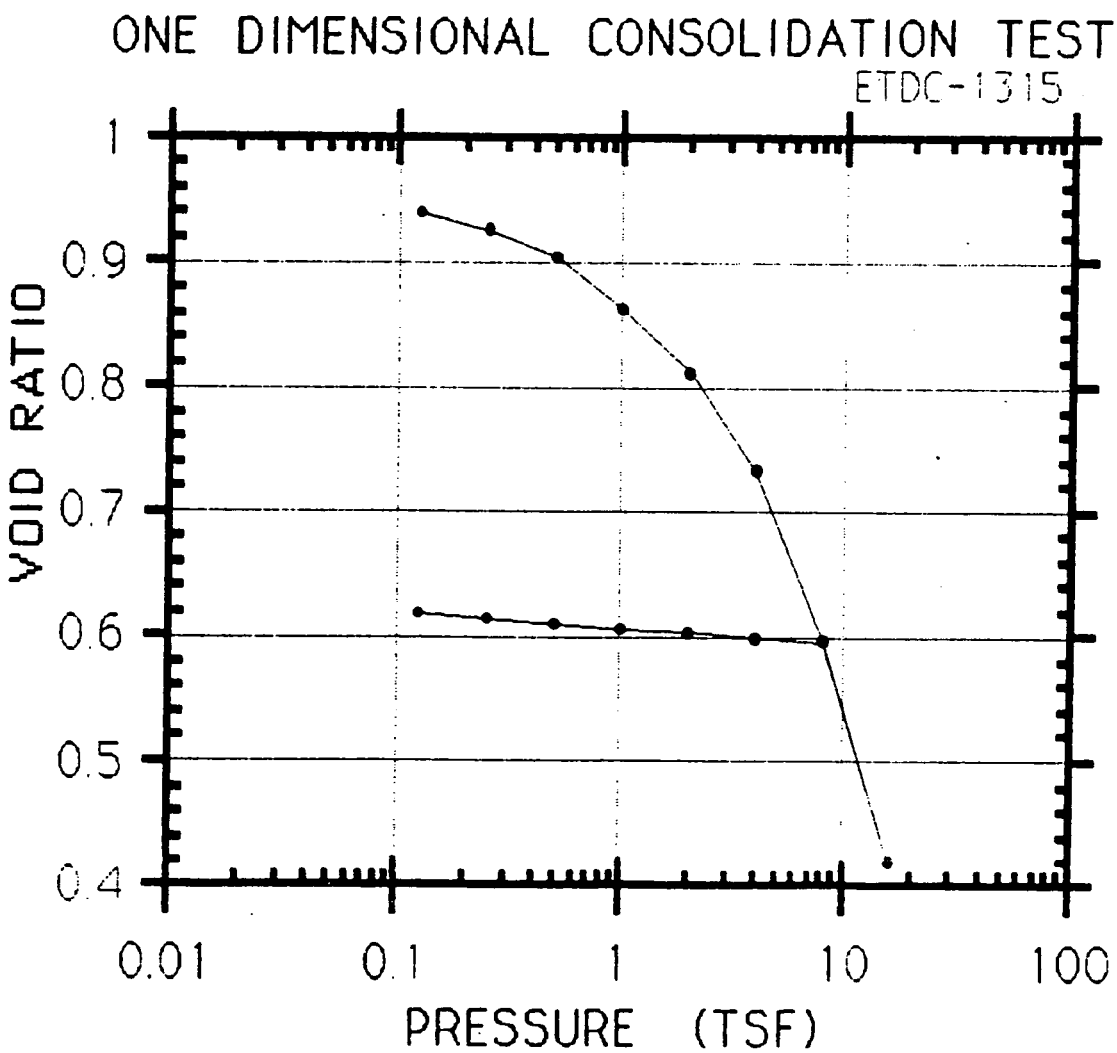
IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ONE DIMENSIONAL CONSOLIDATION TEST RESULTS

PROJECT NAME: FERNALD OU1
PROJECT NO.: 484285
CUST. SAMPLE NO.: 63875
ETDC SAMPLE NO.: ETDC-1315



682-1-89

IT ANALYTICAL SERVICE
304 DIRECTORS DRIVE
KNOXVILLE, TN
(615) 690-3211

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	CL
PROJECT NO.:	484285	WATER CONTENT, %:	21.4
CUST. SAMPLE NO.:	63865	LIQUID LIMIT:	24.0
ETDC SAMPLE NO.:	ETDC-1314	PLASTICITY INDEX:	10.0
SPECIFIC GRAVITY:	2.2028 (MEASURED)	REMOLDED UNIT WEIGHT:	145.7 pcf

==========SIEVE ANALYSIS==========

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	99.1
0.375 in	9.500	93.9
NO. 4	4.750	81.9
NO. 10	2.000	67.0
NO. 20	0.850	33.2
NO. 40	0.425	22.4
NO. 60	0.250	18.4
NO. 140	0.106	15.1
NO. 200	0.075	14.6

==========HYDROMETER ANALYSIS==========

DIAMETER (mm)	PERCENT FINER (%)
0.0731	31.4
0.0521	29.4
0.0378	25.3
0.0241	23.3
0.0144	17.2
0.0104	13.2
0.0074	12.2
0.0053	10.1
0.0037	9.1
0.0015	7.1

A.2.1.3

PIT 2
PIT MATERIAL
RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit 2
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		02-02				02-01				02-03				02-04		
Sample ID:		PS-02-002				PS-02-009				PS-02-019				PS-02-028		
Sample Date:		4/14/87				4/16/87				4/17/87				4/20/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		10.0				8.0				10.0				10.0		
CESIUM-137	<	2.0	PCI/G	UJ		3.6	PCI/G	-	<	0.2	PCI/G	U	<	0.7	PCI/G	UJ
NEPTUNIUM-237	<	0.4	PCI/G	UJ	<	0.2	PCI/G	UJ	<	0.3	PCI/G	U	<	0.1	PCI/G	UJ
PLUTONIUM-238		0.1	PCI/G	J		0.1	PCI/G	J	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
PLUTONIUM-239/240		0.6	PCI/G	-		0.05	PCI/G	J	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	16	PCI/G	UJ	<	12	PCI/G	UJ	<	2.0	PCI/G	UJ	<	5.0	PCI/G	UJ
STRONTIUM-90	<	1.0	PCI/G	UJ	<	0.3	PCI/G	UJ	<	0.5	PCI/G	U	<	0.9	PCI/G	UJ
TECHNETIUM-99		618	PCI/G	-		11	PCI/G	-		14	PCI/G	-	<	1.0	PCI/G	UJ
THORIUM-228		73	PCI/G	-		164	PCI/G	-		11	PCI/G	-		37	PCI/G	-
THORIUM-230		3980	PCI/G	-		163	PCI/G	-		41	PCI/G	-		2040	PCI/G	-
THORIUM-232		88	PCI/G	-		43	PCI/G	-		11	PCI/G	-		38	PCI/G	-
URANIUM-234		18200	PCI/G	J		564	PCI/G	-		226	PCI/G	-		303	PCI/G	-
URANIUM-235		8780	PCI/G	J		131	PCI/G	-		21	PCI/G	-		31	PCI/G	-
URANIUM-238		17900	PCI/G	J		4280	PCI/G	-		1070	PCI/G	-		317	PCI/G	-

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

351 25

Well/Boring:	02-05
Sample ID:	PS-02-040
Sample Date:	4/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ
CESIUM-137		0.7	PCI/G	-
NEPTUNIUM-237	<	0.1	PCI/G	UJ
PLUTONIUM-238	<	0.1	PCI/G	UJ
PLUTONIUM-239/240	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV
RADIUM-228			PCI/G	NV
RUTHENIUM-106	<	2.0	PCI/G	UJ
STRONTIUM-90	<	0.6	PCI/G	UJ
TECHNETIUM-99	<	2.0	PCI/G	UJ
THORIUM-228		28	PCI/G	J
THORIUM-230		950	PCI/G	J
THORIUM-232		33	PCI/G	J
URANIUM-234		40	PCI/G	-
URANIUM-235		2.0	PCI/G	-
URANIUM-238		60	PCI/G	-

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1991 RI/FS - Pit 2
Pit Material Radiological Results

Well/Boring:	1769					1769					1769					1768		
Sample ID:	063536					063538					063540					063630		
Sample Date:	21-AUG-91					21-AUG-91					21-AUG-91					23-AUG-91		
Top Depth (ft):	8					16					0					7		
Bottom Depth (ft):	16					22					22					14		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CESIUM-137	U	.5	PCI/G	DJ		U	.5	PCI/G	UDJ							U	1.3	PCI/G	UJD	
GROSS ALPHA		9390	PCI/G	NV			7990	PCI/G	NV								28430	PCI/G	NV	
GROSS BETA		2470	PCI/G	NV			2220	PCI/G	NV								7186	PCI/G	NV	
PLUTONIUM-238	U	.6	PCI/G	UJ		U	.6	PCI/G	U							U	.6	PCI/G	U	
PLUTONIUM-239/240	U	.6	PCI/G	UJ		U	.6	PCI/G	U							U	.6	PCI/G	U	
RADIUM-226		329	PCI/G	J			306	PCI/G	J								951	PCI/G	J	
RADIUM-228		82	PCI/G	J			119	PCI/G	J								437	PCI/G	J	
RUTHENIUM-106	U	4	PCI/G	DJ		U	4.7	PCI/G	UDJ							U	11	PCI/G	UJD	
STRONTIUM-90		2.96	PCI/G	J			3.99	PCI/G	J							U	.5	PCI/G	U	
TECHNETIUM-99	U	.9	PCI/G	U		U	.9	PCI/G	UJ							U	.9	PCI/G	U	
THORIUM-228																	616	PCI/G	-	
THORIUM-230																	18400	PCI/G	-	
THORIUM-232																U	340	PCI/G	DU	
THORIUM-TOTAL																	2780	UG/G	-	
URANIUM-234																	1651	PCI/G	-	
URANIUM-235																				
URANIUM-235/236																	130	PCI/G	-	
URANIUM-238																	1861	PCI/G	-	
URANIUM-TOTAL		2983	UG/G	GJ			2106	UG/G	GJ								5803	UG/G	G	
CESIUM-137											U	20	PCI/L	UJ	Y					
GROSS ALPHA											U	18	PCI/L	NV	Y					

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TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
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Submittal Date: 08-Feb-94
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Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1768					1768			
Sample ID:		063632					063634			
Sample Date:		23-AUG-91					23-AUG-91			
Top Depth (ft):		14					0			
Bottom Depth (ft):		17.5					17.5			
CESIUM-137	U	.3	PCI/G	UJ						
GROSS ALPHA		5357	PCI/G	NV						
GROSS BETA		1172	PCI/G	NV						
PLUTONIUM-238	U	.6	PCI/G	U						
PLUTONIUM-239/240	U	.6	PCI/G	U						
RADIUM-226		161	PCI/G	J						
RADIUM-228		71	PCI/G	J						
RUTHENIUM-106	U	2.4	PCI/G	UJD						
STRONTIUM-90		3	PCI/G	-						
TECHNETIUM-99		1.64	PCI/G	-						
THORIUM-228		697	PCI/G	-						
THORIUM-230		2630	PCI/G	-						
THORIUM-232		268	PCI/G	-						
THORIUM-TOTAL		2420	UG/G	-						
URANIUM-234		250	PCI/G	-						
URANIUM-235										
URANIUM-235/236		18.5	PCI/G	-						
URANIUM-238		279	PCI/G	-						
URANIUM-TOTAL		852	UG/G	JG						
CESIUM-137						U	20	PCI/L	R	Y
GROSS ALPHA						U	43	PCI/L	NV	Y

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 2
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1769					1769					1769					1768			
Sample ID:		063536					063538					063540					063630			
Sample Date:		21-AUG-91					21-AUG-91					21-AUG-91					23-AUG-91			
Top Depth (ft):		8					16					0					7			
Bottom Depth (ft):		16					22					22					14			
GROSS BETA											U	42	PCI/L	NV	Y					
NEPTUNIUM-237											U	1	PCI/L	UJ	Y					
PLUTONIUM-238											U	1	PCI/L	U	Y					
PLUTONIUM-239/240											U	1	PCI/L	U	Y					
RADIUM-226												20	PCI/L	-	Y					
RADIUM-228												3.12	PCI/L	-	Y					
RUTHENIUM-106											U	150	PCI/L	UJ	Y					
STRONTIUM-90											U	5	PCI/L	U	Y					
TECHNETIUM-99												67.6	PCI/L	J	Y					
THORIUM-228											U	1	PCI/L	U	Y					
THORIUM-230											-	1.78	PCI/L	J	Y					
THORIUM-232											U	1	PCI/L	U	Y					
THORIUM-TOTAL												8.41	UG/L	J	Y					
URANIUM-234												119	PCI/L	-	Y					
URANIUM-235/236												13.5	PCI/L	-	Y					
URANIUM-238												220	PCI/L	C	Y					
URANIUM-TOTAL												84	UG/L	K	Y					

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 2
Pit Material Radiological Results

Well/Boring:		1768				1768			
Sample ID:		063632				063634			
Sample Date:		23-AUG-91				23-AUG-91			
Top Depth (ft):		14				0			
Bottom Depth (ft):		17.5				17.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ	TCLP
GROSS BETA						53.4	PCI/L	NV	Y
NEPTUNIUM-237						2.11	PCI/L	J	Y
PLUTONIUM-238					U	1	PCI/L	U	Y
PLUTONIUM-239/240					U	1	PCI/L	U	Y
RADIUM-226						6.35	PCI/L	-	Y
RADIUM-228						3.9	PCI/L	J	Y
RUTHENIUM-106					U	150	PCI/L	R	Y
STRONTIUM-90					U	5	PCI/L	UJ	Y
TECHNETIUM-99					U	30	PCI/L	U	Y
THORIUM-228						1.69	PCI/L	-	Y
THORIUM-230					U	1	PCI/L	U	Y
THORIUM-232					U	1	PCI/L	U	Y
THORIUM-TOTAL					U	9	UG/L	U	Y
URANIUM-234						4.42	PCI/L	-	Y
URANIUM-235/236					U	1	PCI/L	U	Y
URANIUM-238						4.34	PCI/L	-	Y
URANIUM-TOTAL						11.4	UG/L	K	Y

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
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PIT 2
PIT MATERIAL
INORGANIC RESULTS

Characterization Investigation Study - Pit 2
Pit Material Inorganic Results

Well/Boring:	02-01				02-03				02-03				02-04			
Sample ID:	PS-02-007				PS-02-017				PS-02-018				PS-02-026			
Sample Date:	04/16/87				04/17/87				04/17/87				04/20/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				10.0				10.0				10.0			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CYANIDE	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	.0006	MG/KG	UJ	U	0.8	MG/KG	UJ
ALUMINUM	*E	7240	MG/KG	J	*E	14200	MG/KG	J	*E	10700	MG/KG	J	E	21900	MG/KG	J
ANTIMONY		1.2	MG/KG	-	U	0.4	MG/KG	U	U	0.4	MG/KG	U		0.9	MG/KG	J
ARSENIC		10	MG/KG	-		4	MG/KG	-		1.7	MG/KG	J	N	3.6	MG/KG	J
BARIUM	E	208	MG/KG	J	E	97	MG/KG	J	E	62	MG/KG	J		115	MG/KG	-
BERYLLIUM		1.9	MG/KG	-		0.8	MG/KG	J		0.5	MG/KG	J	*	8.9	MG/KG	J
CADMIUM		3	MG/KG	-		9.6	MG/KG	-		3.3	MG/KG	-		5.8	MG/KG	-
CALCIUM	E	34400	MG/KG	J	E	65400	MG/KG	J	E	44800	MG/KG	J	*E	80100	MG/KG	J
CHROMIUM		17	MG/KG	-		25	MG/KG	-		16	MG/KG	-	*EN	91	MG/KG	J
COBALT		38	MG/KG	-		14	MG/KG	-		12	MG/KG	J	*N	451	MG/KG	J
COPPER		52	MG/KG	-		38	MG/KG	-		26	MG/KG	-	*	329	MG/KG	J
CYANIDE	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	.0006	MG/KG	UJ	U	0.8	MG/KG	UJ
IRON	*E	13300	MG/KG	J	*E	21400	MG/KG	J	*E	20300	MG/KG	J	E	22300	MG/KG	J
LEAD		25	MG/KG	-		29	MG/KG	-		21	MG/KG	-		190	MG/KG	-
MAGNESIUM	E	8880	MG/KG	J	E	26300	MG/KG	J	E	16000	MG/KG	J	*E	26700	MG/KG	J
MANGANESE		529	MG/KG	-		917	MG/KG	-		495	MG/KG	-		795	MG/KG	-
MERCURY		0.2	MG/KG	-	U	0.1	MG/KG	U		0.2	MG/KG	-		0.7	MG/KG	-
NICKEL		64	MG/KG	-		36	MG/KG	-		29	MG/KG	-	*E	609	MG/KG	J
OSMIUM																
POTASSIUM		796	MG/KG	J		1510	MG/KG	-		667	MG/KG	J		4320	MG/KG	-
SELENIUM		1.6	MG/KG	-	U	0.4	MG/KG	U	U	0.4	MG/KG	U	N	10	MG/KG	J
SILVER	N	23	MG/KG	J	N	11	MG/KG	J		5.9	MG/KG	J	UN	1.9	MG/KG	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OUIRI 5 USEPA

1922261
051229

Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ
CYANIDE	U	0.7	MG/KG	UJ
ALUMINUM	E	22400	MG/KG	J
ANTIMONY	U	0.4	MG/KG	U
ARSENIC	N	2.8	MG/KG	J
BARIUM		131	MG/KG	-
BERYLLIUM	*	3.5	MG/KG	J
CADMIUM		5.3	MG/KG	-
CALCIUM	*E	35500	MG/KG	J
CHROMIUM	*N	39	MG/KG	J
COBALT	*N	57	MG/KG	J
COPPER	*	54	MG/KG	J
CYANIDE	U	0.7	MG/KG	UJ
IRON	E	24000	MG/KG	J
LEAD		90	MG/KG	-
MAGNESIUM	*E	14100	MG/KG	J
MANGANESE		645	MG/KG	-
MERCURY		0.5	MG/KG	-
NICKEL	*E	94	MG/KG	J
OSMIUM				
POTASSIUM		2900	MG/KG	-
SELENIUM	N	1.7	MG/KG	J
SILVER	UN	1.7	MG/KG	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

-5129
9412262

Characterization Investigation Study - Pit 2
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		02-01				02-03				02-03				02-04		
Sample ID:		PS-02-007				PS-02-017				PS-02-018				PS-02-026		
Sample Date:		04/16/87				04/17/87				04/17/87				04/20/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		10.0				10.0				10.0				10.0		
SODIUM		819	MG/KG	J		480	MG/KG	J		411	MG/KG	-		2300	MG/KG	-
THALLIUM	U	0.3	MG/KG	U	U	0.3	MG/KG	U	U	0.2	MG/KG	U	UN	0.3	MG/KG	UJ
TIN																
VANADIUM		49	MG/KG	-		38	MG/KG	-		27	MG/KG	-	*N	106	MG/KG	J
ZINC	*	54	MG/KG	J	*	3250	MG/KG	J	*	79	MG/KG	J	*	138	MG/KG	J

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 2
Pit Material Inorganic Results

Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ
SODIUM		1060	MG/KG	J
THALLIUM	UN	0.2	MG/KG	UJ
TIN				
VANADIUM	*N	46	MG/KG	J
ZINC	*	92	MG/KG	J

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Well/Boring:	1769				1769				1769				1769		
Sample ID:	063512				063521				063530				063531		
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91		
Top Depth (ft):	7.5				12				18				20		
Bottom Depth (ft):	8				14				20				20.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
% Moisture		22	% MOISTU	NV	231.2	% MOISTU	NV	169.8	% MOISTU	NV	74	% MOISTU	NV
% Solids													
Ammonia													
Bromide													
Chloride													
Cyanide													
Fluoride													
Nitrate													
Oil and Grease													
Phosphate													
Phosphorus													
Sulfate													
Sulfide													
Total Kjeldahl Nitrogen													
Total Organic Carbon													
Total Organic Nitrogen													
pH													
Aluminum													
Antimony													
Arsenic													
Barium													

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1769				1769				1769				1768			
Sample ID:		063536				063538				063540				063608			
Sample Date:		21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91			
Top Depth (ft):		8				16				0				4			
Bottom Depth (ft):		16				22				22				6			
% Moisture		25	% MOISTU	NV		71	% MOISTU	NV						120.2	% MOISTU	NV	
% Solids		74.5	% SOLIDS	NV		28.7	% SOLIDS	NV									
Ammonia	U	.1	MG/KG	U	U	.1	MG/KG	U									
Bromide	U	1	MG/KG	U													
Chloride		4898	MG/KG	-													
Cyanide	*	.78	MG/KG	J	*	2.9	MG/KG	J									
Fluoride	U	.4	MG/KG	U													
Nitrate		4378	MG/KG	-													
Oil and Grease		1400	MG/KG	-													
Phosphate		176	MG/KG	-													
Phosphorus						34058	MG/KG	-									
Sulfate		739	MG/KG	-													
Sulfide	U	.5	MG/KG	U													
Total Kjeldahl Nitrogen																	
Total Organic Carbon										113712	MG/KG	-					
Total Organic Nitrogen	U	.1	MG/KG	U	U	.1	MG/KG	U									
pH		8.91	S.U.	-		7.67	S.U.	-									
Aluminum		11800	MG/KG	-		19200	MG/KG	J									
Antimony		19.7	MG/KG	-		55.4	MG/KG	J									
Arsenic		48.1	MG/KG	-	S	170	MG/KG	J									
Barium		434	MG/KG	-		545	MG/KG	J									

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Well/Boring:	1768				1768				1768				1768		
Sample ID:	063619				063630				063632				063634		
Sample Date:	22-AUG-91				23-AUG-91				23-AUG-91				23-AUG-91		
Top Depth (ft):	11				7				14				0		
Bottom Depth (ft):	13				14				17.5				17.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
% Moisture		290	% MOISTU	NV	70	% MOISTU	NV	48	% MOISTU	NV						
% Solids																
Ammonia					2.4	MG/KG	-	1.4	MG/KG	-						
Bromide							U	1	MG/KG	UJ						
Chloride								2922	MG/KG	J						
Cyanide				B	1.4	MG/KG	J	B .68	MG/KG	-						
Fluoride							U	.4	MG/KG	UJ						
Nitrate								9054	MG/KG	J						
Oil and Grease					16000	MG/KG	-	274	MG/KG	-						
Phosphate								1235	MG/KG	J						
Phosphorus					36163	MG/KG	-	43703	MG/KG	-						
Sulfate								633	MG/KG	J						
Sulfide				U	.5	MG/KG	U									
Total Kjeldahl Nitrogen																
Total Organic Carbon														110840	MG/KG	-
Total Organic Nitrogen					11700	MG/KG	-	8660	MG/KG	-						
pH					7.84	S.U.	-	7.72	S.U.	-						
Aluminum					23100	MG/KG	J	9830	MG/KG	-						
Antimony					50.2	MG/KG	J	33	MG/KG	J						
Arsenic				N	423	MG/KG	J	N 49.6	MG/KG	J						
Barium				N	1500	MG/KG	J	N 1920	MG/KG	J						

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VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
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J - Estimated
- - Detected
NV - Not Validated
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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1818					1818					1818					1818			
Sample ID:		063865					063866					063867					063868			
Sample Date:		20-SEP-91					20-SEP-91					20-SEP-91					20-SEP-91			
Top Depth (ft):		5					7.5					15					20			
Bottom Depth (ft):		7.5					8					15.5					20.5			
% Moisture		21.4	% MOISTU	NV			19	% MOISTU	NV			76	% MOISTU	NV			57	% MOISTU	NV	
% Solids																				
Ammonia																				
Bromide																				
Chloride																				
Cyanide																				
Fluoride																				
Nitrate																				
Oil and Grease																				
Phosphate																				
Phosphorus																				
Sulfate																				
Sulfide																				
Total Kjeldahl Nitrogen																				
Total Organic Carbon																				
Total Organic Nitrogen																				
pH																				
Aluminum																				
Antimony																				
Arsenic																				
Barium																				

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Well/Boring:		1817				1817			
Sample ID:		063875				063876			
Sample Date:		21-SEP-91				21-SEP-91			
Top Depth (ft):		10.5				13			
Bottom Depth (ft):		12.5				13.5			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
% Moisture		32.7	% MOISTU	NV			73	% MOISTU	NV	
% Solids										
Ammonia										
Bromide										
Chloride										
Cyanide										
Fluoride										
Nitrate										
Oil and Grease										
Phosphate										
Phosphorus										
Sulfate										
Sulfide										
Total Kjeldahl Nitrogen										
Total Organic Carbon										
Total Organic Nitrogen										
pH										
Aluminum										
Antimony										
Arsenic										
Barium										

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063608		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				4		
Bottom Depth (ft):	16				22				22				6		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Beryllium	N	15.2	MG/KG	J	N	26.9	MG/KG	J								
Boron		163	MG/KG	-		181	MG/KG	J								
Cadmium		4	MG/KG	-		11.3	MG/KG	J								
Calcium		48500	MG/KG	-		82300	MG/KG	J								
Chromium		93.9	MG/KG	-		243	MG/KG	J								
Cobalt		323	MG/KG	-		602	MG/KG	J								
Copper		259	MG/KG	-		765	MG/KG	J								
Iron		13600	MG/KG	-		22600	MG/KG	J								
Lead		306	MG/KG	-		742	MG/KG	J								
Magnesium		22700	MG/KG	-		67900	MG/KG	J								
Manganese		614	MG/KG	-		1560	MG/KG	J								
Mercury	N	.74	MG/KG	J	N	2.4	MG/KG	J								
Molybdenum		44.5	MG/KG	-		88	MG/KG	J								
Nickel		415	MG/KG	-		760	MG/KG	J								
Potassium		4050	MG/KG	-		8680	MG/KG	J								
Selenium	N	131	MG/KG	J	SN	24.6	MG/KG	J								
Silicon	*	1090	MG/KG	-	*	2640	MG/KG	-								
Silver		17.6	MG/KG	-		30.1	MG/KG	J								
Sodium		2530	MG/KG	-		4930	MG/KG	J								
Thallium	U	.53	MG/KG	U	U	1.3	MG/KG	U								
Tin	U	53.2	MG/KG	U	U	135	MG/KG	U								

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1768					1768					1768					1768			
Sample ID:		063619					063630					063632					063634			
Sample Date:		22-AUG-91					23-AUG-91					23-AUG-91					23-AUG-91			
Top Depth (ft):		11					7					14					0			
Bottom Depth (ft):		13					14					17.5					17.5			
Beryllium							18	MG/KG	J			5.3	MG/KG	-						
Boron							238	MG/KG	J			60.2	MG/KG	-						
Cadmium							12.8	MG/KG	J			6.6	MG/KG	-						
Calcium							99100	MG/KG	J			104000	MG/KG	-						
Chromium							282	MG/KG	J			103	MG/KG	-						
Cobalt							1470	MG/KG	J			205	MG/KG	-						
Copper						E	1340	MG/KG	J		E	319	MG/KG	J						
Iron							39200	MG/KG	J			14100	MG/KG	-						
Lead							758	MG/KG	J			168	MG/KG	-						
Magnesium							53200	MG/KG	J			45000	MG/KG	-						
Manganese							2850	MG/KG	J			575	MG/KG	-						
Mercury							2.6	MG/KG	J			.9	MG/KG	-						
Molybdenum							215	MG/KG	J			49.5	MG/KG	-						
Nickel							1740	MG/KG	J			185	MG/KG	-						
Potassium							10800	MG/KG	J			4350	MG/KG	-						
Selenium						N	24	MG/KG	J		N	3.1	MG/KG	J						
Silicon						N	2170	MG/KG	J		N	1020	MG/KG	J						
Silver							42.5	MG/KG	J			23.8	MG/KG	-						
Sodium							8710	MG/KG	J			2930	MG/KG	-						
Thallium						B	2.4	MG/KG	J		U	.77	MG/KG	U						
Tin						U	131	MG/KG	UJ		U	73.8	MG/KG	U						

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063608		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				4		
Bottom Depth (ft):	16				22				22				6		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Vanadium		85.7	MG/KG	-		216	MG/KG	J								
Zinc		107	MG/KG	-		310	MG/KG	J								
% Moisture																
Total Organic Carbon																
Aluminum									E	2590	UG/L	J	Y			
Antimony										117	UG/L	-	Y			
Arsenic										160	UG/L	-	Y			
Barium									B	51	UG/L	-	Y			
Beryllium									B	4	UG/L	-	Y			
Boron										291	UG/L	-	Y			
Cadmium										20.7	UG/L	-	Y			
Calcium										362000	UG/L	-	Y			
Chromium										74.4	UG/L	-	Y			
Cobalt										695	UG/L	-	Y			
Copper										56.7	UG/L	-	Y			
Iron										106	UG/L	-	Y			
Lead										5.8	UG/L	-	Y			
Magnesium										135000	UG/L	-	Y			
Manganese										6190	UG/L	-	Y			
Mercury									U*	.2	UG/L	UJ	Y			
Molybdenum										67.8	UG/L	-	Y			

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Well/Boring:	1768					1768					1768					1768				
Sample ID:	063619					063630					063632					063634				
Sample Date:	22-AUG-91					23-AUG-91					23-AUG-91					23-AUG-91				
Top Depth (ft):	11					7					14					0				
Bottom Depth (ft):	13					14					17.5					17.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Vanadium							594	MG/KG	J			134	MG/KG	-						
Zinc						E	488	MG/KG	J		E	171	MG/KG	J						
% Moisture																				
Total Organic Carbon																				
Aluminum																E	703	UG/L	J	Y
Antimony																	194	UG/L	-	Y
Arsenic																	1040	UG/L	-	Y
Barium																B	45.1	UG/L	-	Y
Beryllium																B	3.3	UG/L	-	Y
Boron																	846	UG/L	-	Y
Cadmium																	34.2	UG/L	J	Y
Calcium																	224000	UG/L	-	Y
Chromium																	79.7	UG/L	J	Y
Cobalt																	3130	UG/L	-	Y
Copper																	430	UG/L	-	Y
Iron																B	88.5	UG/L	-	Y
Lead																U	2	UG/L	U	Y
Magnesium																	318000	UG/L	-	Y
Manganese																	4240	UG/L	-	Y
Mercury																U*	.2	UG/L	UJ	Y
Molybdenum																	401	UG/L	-	Y

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1769					1769					1769					1768			
Sample ID:		063536					063538					063540					063608			
Sample Date:		21-AUG-91					21-AUG-91					21-AUG-91					22-AUG-91			
Top Depth (ft):		8					16					0					4			
Bottom Depth (ft):		16					22					22					6			
Nickel											E	821	UG/L	J	Y					
Potassium												17200	UG/L	-	Y					
Selenium											+N	23.7	UG/L	J	Y					
Silicon												25100	UG/L	-	Y					
Silver												57.4	UG/L	-	Y					
Sodium												2110000	UG/L	-	Y					
Thallium											UWN	2	UG/L	UJ	Y					
Vanadium											E	63.2	UG/L	J	Y					
Zinc											EN	150	UG/L	J	Y					

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1991 RI/FS - Pit 2
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1768					1768					1768					1768			
Sample ID:		063619					063630					063632					063634			
Sample Date:		22-AUG-91					23-AUG-91					23-AUG-91					23-AUG-91			
Top Depth (ft):		11					7					14					0			
Bottom Depth (ft):		13					14					17.5					17.5			
Nickel																				
Potassium											E	3540	UG/L	J	Y					
Selenium												48600	UG/L	-	Y					
Silicon											SN	25.5	UG/L	J	Y					
Silver												34200	UG/L	-	Y					
Sodium												46.4	UG/L	J	Y					
Thallium																				
Vanadium											BN	8.2	UG/L	J	Y					
Zinc											E	794	UG/L	J	Y					
											EN	117	UG/L	J	Y					

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PIT 2
PIT MATERIAL
ORGANIC RESULTS

Characterization Investigation Study - Pit 2
Pit Material Organic Results

Well/Boring:	02-01					02-03					02-03					02-04		
Sample ID:	PS-02-007					PS-02-017					PS-02-018					PS-02-026		
Sample Date:	04/16/87					04/17/87					04/17/87					04/20/87		
Top Depth (ft):	0.0					0.0					0.0					0.0		
Bottom Depth (ft):	10.0					10.0					10.0					10.0		
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
4,4-DDD	U	210	UG/KG	U	U	82	UG/KG	U	U	82	UG/KG	U	U	23	UG/KG	U	
4,4-DDE	U	210	UG/KG	U	U	82	UG/KG	U	U	82	UG/KG	U	U	23	UG/KG	U	
4,4-DDT		1400	UG/KG	J		580	UG/KG	J	U	82	UG/KG	U	U	23	UG/KG	U	
ALDRIN	U	100	UG/KG	U	U	41	UG/KG	U	U	41	UG/KG	U	U	11	UG/KG	U	
ALPHA-BHC	U	100	UG/KG	U	U	41	UG/KG	U	U	41	UG/KG	U	U	11	UG/KG	U	
AROCLOR 1016	U	1000	UG/KG	U	U	410	UG/KG	U	U	410	UG/KG	U	U	110	UG/KG	U	
AROCLOR 1221	U	1000	UG/KG	U	U	410	UG/KG	U	U	410	UG/KG	U	U	110	UG/KG	U	
AROCLOR 1232	U	1000	UG/KG	U	U	410	UG/KG	U	U	410	UG/KG	U	U	110	UG/KG	U	
AROCLOR 1242	U	1000	UG/KG	U	U	410	UG/KG	U	U	410	UG/KG	U	U	110	UG/KG	U	
AROCLOR 1248	U	1000	UG/KG	U	U	410	UG/KG	U	U	410	UG/KG	U		321	UG/KG	-	
AROCLOR 1254	U	2100	UG/KG	U	U	820	UG/KG	U	U	820	UG/KG	U		323	UG/KG	-	
AROCLOR 1260	J	2100	UG/KG	UJ	J	820	UG/KG	UJ	J	820	UG/KG	UJ	U	230	UG/KG	U	
BETA-BHC	U	100	UG/KG	U	U	41	UG/KG	U	U	41	UG/KG	U	U	11	UG/KG	U	
CHLORDANE	U	1000	UG/KG	U	U	410	UG/KG	U	U	410	UG/KG	U	U	110	UG/KG	U	
DELTA-BHC	U	100	UG/KG	U	U	41	UG/KG	U	U	41	UG/KG	U	U	11	UG/KG	UJ	
DIELDRIN	U	210	UG/KG	U	U	82	UG/KG	U	U	82	UG/KG	U	U	23	UG/KG	U	
ENDOSULFAN I	U	100	UG/KG	U	U	41	UG/KG	U	U	41	UG/KG	U	U	11	UG/KG	U	
ENDOSULFAN II	U	210	UG/KG	U	U	82	UG/KG	U	U	82	UG/KG	U	U	23	UG/KG	U	
ENDOSULFAN SULFATE	U	210	UG/KG	U	U	82	UG/KG	U	U	82	UG/KG	U	U	23	UG/KG	U	
ENDRIN	U	210	UG/KG	U	U	82	UG/KG	U	U	82	UG/KG	U	U	23	UG/KG	U	
ENDRIN KETONE	U	210	UG/KG	U	U	82	UG/KG	U	U	82	UG/KG	U	U	23	UG/KG	U	
GAMMA-BHC(Lindane)	U	100	UG/KG	U	U	41	UG/KG	U	U	41	UG/KG	U	U	11	UG/KG	U	

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Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	1000	UG/KG	U
4,4-DDE	U	1000	UG/KG	U
4,4-DDT	U	1000	UG/KG	U
ALDRIN	U	520	UG/KG	U
ALPHA-BHC	U	520	UG/KG	U
AROCLOR 1016	U	5200	UG/KG	U
AROCLOR 1221	U	5200	UG/KG	U
AROCLOR 1232	U	5200	UG/KG	U
AROCLOR 1242	U	5200	UG/KG	U
AROCLOR 1248	U	5200	UG/KG	U
AROCLOR 1254	U	10000	UG/KG	U
AROCLOR 1260	U	10000	UG/KG	U
BETA-BHC	U	520	UG/KG	U
CHLORDANE	U	5200	UG/KG	U
DELTA-BHC	U	520	UG/KG	UJ
DIELDRIN	U	1000	UG/KG	U
ENDOSULFAN I	U	520	UG/KG	U
ENDOSULFAN II	U	1000	UG/KG	U
ENDOSULFAN SULFATE	U	1000	UG/KG	U
ENDRIN	U	1000	UG/KG	U
ENDRIN KETONE	U	1000	UG/KG	U
GAMMA-BHC(Lindane)	U	520	UG/KG	U

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Characterization Investigation Study - Pit 2
Pit Material Organic Results

Well/Boring:	02-01				02-03				02-03				02-04			
Sample ID:	PS-02-007				PS-02-017				PS-02-018				PS-02-026			
Sample Date:	04/16/87				04/17/87				04/17/87				04/20/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				10.0				10.0				10.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	100	UG/KG	U	U	41	UG/KG	U	U	41	UG/KG	U	U	11	UG/KG	U
HEPTACHLOR EPOXIDE	U	100	UG/KG	U	U	41	UG/KG	U	U	41	UG/KG	U	U	11	UG/KG	U
METHOXYCHLOR	U	1000	UG/KG	U	U	410	UG/KG	U	U	410	UG/KG	U	U	110	UG/KG	U
TOXAPHENE	U	2100	UG/KG	U	U	820	UG/KG	U	U	820	UG/KG	U	U	230	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
1,2-DICHLOROBENZENE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
1,3-DICHLOROBENZENE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
1,4-DICHLOROBENZENE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	2400	UG/KG	UJ	U	2400	UG/KG	UJ	U	7900	UG/KG	UJ	U	2700	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
2,4-DICHLOROPHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
2,4-DIMETHYLPHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
2,4-DINITROPHENOL	U	2400	UG/KG	UJ	U	2400	UG/KG	UJ	U	7900	UG/KG	UJ	U	2700	UG/KG	UJ
2,4-DINITROTOLUENE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
2,6-DINITROTOLUENE	U	480	UG/KG	UJ	U	470	UG/KG	UJ	U	1600	UG/KG	UJ	U	530	UG/KG	U
2-CHLORONAPHTHALENE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
2-CHLOROPHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ
2-METHYLNAPHTHALENE	U	480	UG/KG	U	U	470	UG/KG	U	J	470	UG/KG	J	U	530	UG/KG	U
2-METHYLPHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
2-NITROANILINE	U	2400	UG/KG	U	U	2400	UG/KG	U	U	7900	UG/KG	U	U	2700	UG/KG	U
2-NITROPHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
3,3-DICHLOROBENZIDINE	U	960	UG/KG	UJ	U	940	UG/KG	UJ	U	3200	UG/KG	UJ	U	1100	UG/KG	UJ

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Submittal Date: 08-Feb-94
Print Date: 13 JAN-94
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Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	520	UG/KG	U
HEPTACHLOR EPOXIDE	U	520	UG/KG	U
METHOXYCHLOR	U	5200	UG/KG	U
TOXAPHENE	U	10000	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	980	UG/KG	U
1,2-DICHLOROBENZENE	U	980	UG/KG	U
1,3-DICHLOROBENZENE	U	980	UG/KG	U
1,4-DICHLOROBENZENE	U	980	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	4900	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	980	UG/KG	U
2,4-DICHLOROPHENOL	U	980	UG/KG	U
2,4-DIMETHYLPHENOL	J	150	UG/KG	J
2,4-DINITROPHENOL	U	4900	UG/KG	UJ
2,4-DINITROTOLUENE	U	980	UG/KG	U
2,6-DINITROTOLUENE	U	980	UG/KG	U
2-CHLORONAPHTHALENE	U	980	UG/KG	U
2-CHLOROPHENOL	U	980	UG/KG	UJ
2-METHYLNAPHTHALENE		7000	UG/KG	-
2-METHYLPHENOL	U	980	UG/KG	U
2-NITROANILINE	U	4900	UG/KG	U
2-NITROPHENOL	U	980	UG/KG	U
3,3-DICHLOROBENZIDINE	U	2000	UG/KG	UJ

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit 2
Pit Material Organic Results

Well/Boring:	02-01				02-03				02-03				02-04			
Sample ID:	PS-02-007				PS-02-017				PS-02-018				PS-02-026			
Sample Date:	04/16/87				04/17/87				04/17/87				04/20/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				10.0				10.0				10.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	2400	UG/KG	UJ	U	2400	UG/KG	UJ	U	7900	UG/KG	UJ	U	2700	UG/KG	UJ
4,6-DINITRO-2-METHYLPHENOL	U	2400	UG/KG	U	U	2400	UG/KG	U	U	7900	UG/KG	U	U	2700	UG/KG	R
4-BROMOPHENYL PHENYL ETHER	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
4-CHLOROANILINE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	480	UG/KG	UJ	U	470	UG/KG	UJ	U	1600	UG/KG	UJ	U	530	UG/KG	UJ
4-METHYLPHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
4-NITROANILINE	U	2400	UG/KG	UJ	U	2400	UG/KG	UJ	U	7900	UG/KG	UJ	U	2700	UG/KG	UJ
4-NITROPHENOL	U	2400	UG/KG	U	U	2400	UG/KG	U	U	7900	UG/KG	U	U	2700	UG/KG	U
ACENAPHTHENE	U	480	UG/KG	U	J	80	UG/KG	J	J	1200	UG/KG	J	U	530	UG/KG	U
ACENAPHTHYLENE	U	480	UG/KG	UJ	U	470	UG/KG	UJ	U	1600	UG/KG	UJ	U	530	UG/KG	U
ANTHRACENE	J	58	UG/KG	J	J	310	UG/KG	J		3500	UG/KG	-	U	530	UG/KG	U
BENZO(A)ANTHRACENE	J	210	UG/KG	J		860	UG/KG	-		5000	UG/KG	-	J	55	UG/KG	J
BENZO(A)PYRENE	J	110	UG/KG	J		700	UG/KG	-		4300	UG/KG	-	U	530	UG/KG	U
BENZO(B)FLUORANTHENE	J	180	UG/KG	J		760	UG/KG	-		5300	UG/KG	-	J	110	UG/KG	J
BENZO(G,H,I)PERYLENE	U	480	UG/KG	U	J	290	UG/KG	J		1300	UG/KG	-	U	530	UG/KG	UJ
BENZO(K)FLUORANTHENE	J	180	UG/KG	J		600	UG/KG	-		2200	UG/KG	-	U	530	UG/KG	U
BENZOIC ACID	U	2400	UG/KG	U	U	2400	UG/KG	U	U	7900	UG/KG	U	U	2700	UG/KG	R
BENZYL ALCOHOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ
BIS(2-CHLOROISOPROPYL)ETHER	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ

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Submittal Date: 08-Feb-94
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Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	4900	UG/KG	UJ
4,6-DINITRO-2-METHYLPHENOL	U	4900	UG/KG	R
4-BROMOPHENYL PHENYL ETHER	U	980	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	980	UG/KG	U
4-CHLOROANILINE	U	980	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	980	UG/KG	UJ
4-METHYLPHENOL	J	350	UG/KG	J
4-NITROANILINE	U	4900	UG/KG	J
4-NITROPHENOL	U	4900	UG/KG	U
ACENAPHTHENE		43000	UG/KG	-
ACENAPHTHYLENE	U	980	UG/KG	U
ANTHRACENE		120000	UG/KG	-
BENZO(A)ANTHRACENE		130000	UG/KG	-
BENZO(A)PYRENE		120000	UG/KG	-
BENZO(B)FLUORANTHENE		110000	UG/KG	-
BENZO(G,H,I)PERYLENE		42000	UG/KG	J
BENZO(K)FLUORANTHENE		75000	UG/KG	-
BENZOIC ACID	U	4900	UG/KG	R
BENZYL ALCOHOL	U	980	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	980	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	980	UG/KG	U
BIS(2-CHLOROISOPROPYL)ETHER	U	980	UG/KG	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 2
Pit Material Organic Results

Well/Boring:	02-01					02-03					02-03					02-04		
Sample ID:	PS-02-007					PS-02-017					PS-02-018					PS-02-026		
Sample Date:	04/16/87					04/17/87					04/17/87					04/20/87		
Top Depth (ft):	0.0					0.0					0.0					0.0		
Bottom Depth (ft):	10.0					10.0					10.0					10.0		
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	J	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ	
BIS(CHLOROMETHYL)ETHER																	
BUTYL BENZYL PHTHALATE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ	
C-10 UNK HYDROCARBON																	
CHRYSENE	J	230	UG/KG	J		920	UG/KG	-		4200	UG/KG	-	J	74	UG/KG	J	
DI-N-BUTYLPHTHALATE	J	480	UG/KG	U	J	470	UG/KG	U	J	1600	UG/KG	U	J	96	UG/KG	J	
DI-N-OCTYLPHTHALATE	J	96	UG/KG	J	J	240	UG/KG	J	U	1600	UG/KG	U	J	220	UG/KG	J	
DIBENZO(A,H)ANTHRACENE	U	480	UG/KG	U	U	470	UG/KG	U	J	1100	UG/KG	J	U	530	UG/KG	UJ	
DIBENZOFURAN	U	480	UG/KG	U	J	78	UG/KG	J		1200	UG/KG	-	U	530	UG/KG	UJ	
DIETHYL PHTHALATE	U	480	UG/KG	UJ	U	470	UG/KG	UJ	U	1600	UG/KG	UJ	U	530	UG/KG	U	
DIMETHYL PHTHALATE	U	480	UG/KG	UJ	U	470	UG/KG	UJ	U	1600	UG/KG	UJ	U	530	UG/KG	U	
DIPROPYLAMINE	U	480	UG/KG	U	U	470	UG/KG	U									
FLUORANTHENE		590	UG/KG	-		2300	UG/KG	-		17000	UG/KG	-	J	160	UG/KG	J	
FLUORENE	U	480	UG/KG	UJ	J	150	UG/KG	J		2400	UG/KG	J	U	530	UG/KG	UJ	
HEXACHLOROBENZENE	U	480	UG/KG	UJ	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ	
HEXACHLOROBUTADIENE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U	
HEXACHLOROCYCLOPENTADIENE	U	480	UG/KG	UJ	U	470	UG/KG	UJ	U	1600	UG/KG	UJ	U	530	UG/KG	UJ	
HEXACHLOROETHANE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U	
INDENO(1,2,3-CD)PYRENE	U	480	UG/KG	U	J	340	UG/KG	J		1600	UG/KG	-	U	530	UG/KG	U	
ISOPHORONE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ	
N-NITROSO-DI-N-PROPYLAMINE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U	
N-NITROSODIPHENYLAMINE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ	

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit 2
Pit Material Organic Results

Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	980	UG/KG	UJ
BIS(CHLOROMETHYL)ETHER				
BUTYL BENZYL PHTHALATE	U	980	UG/KG	UJ
C-10 UNK HYDROCARBON				
CHRYSENE	U	980	UG/KG	U
DI-N-BUTYLPHTHALATE	U	980	UG/KG	U
DI-N-OCTYLPHTHALATE	J	570	UG/KG	J
DIBENZO(A,H)ANTHRACENE	E	16000	UG/KG	J
DIBENZOFURAN	E	36000	UG/KG	J
DIETHYL PHTHALATE	U	980	UG/KG	U
DIMETHYL PHTHALATE	U	980	UG/KG	U
DIPROPYLAMINE				
FLUORANTHENE	E	490000	UG/KG	-
FLUORENE	E	62000	UG/KG	J
HEXACHLOROBENZENE	U	980	UG/KG	UJ
HEXACHLOROBUTADIENE	U	980	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	980	UG/KG	UJ
HEXACHLOROETHANE	U	980	UG/KG	U
INDENO(1,2,3-CD)PYRENE	E	46000	UG/KG	-
ISOPHORONE	U	980	UG/KG	UJ
N-NITROSO-DI-N-PROPYLAMINE	U	980	UG/KG	U
N-NITROSODIPHENYLAMINE	U	980	UG/KG	UJ

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Characterization Investigation Study - Pit 2
Pit Material Organic Results

Well/Boring:	02-01				02-03				02-03				02-04			
Sample ID:	PS-02-007				PS-02-017				PS-02-018				PS-02-026			
Sample Date:	04/16/87				04/17/87				04/17/87				04/20/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				10.0				10.0				10.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	U	480	UG/KG	U	J	190	UG/KG	J		1700	UG/KG	-	U	530	UG/KG	U
NITROBENZENE	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	UJ
PENTACHLOROPHENOL	U	2400	UG/KG	U	U	2400	UG/KG	U	U	7900	UG/KG	U	U	2700	UG/KG	U
PHENANTHRENE	J	400	UG/KG	J		1700	UG/KG	-		18000	UG/KG	-	J	98	UG/KG	J
PHENOL	U	480	UG/KG	U	U	470	UG/KG	U	U	1600	UG/KG	U	U	530	UG/KG	U
PYRENE	J	420	UG/KG	J		1600	UG/KG	-		14000	UG/KG	-	J	88	UG/KG	J
1,1,1-TRICHLOROETHANE	J	150	UG/KG	J	U	210	UG/KG	U					U	360	UG/KG	U
1,1,2,2-TETRACHLOROETHANE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
1,1,2-TRICHLOROETHANE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
1,1-DICHLOROETHANE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
1,1-DICHLOROETHENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
1,2-DICHLOROETHANE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
1,2-DICHLOROETHENE	U	220	UG/KG	U	U	220	UG/KG	U					U	360	UG/KG	U
1,2-DICHLOROPROPANE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
1,2-DICHLOROPROPENE																
1,3-DICHLOROPROPENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
1,3-DICHLOROPROPYLENE																
2-BUTANONE		2600	UG/KG	J		2700	UG/KG	-					U	710	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	430	UG/KG	U	U	420	UG/KG	U					U	710	UG/KG	R
2-HEXANONE	U	430	UG/KG	U	U	420	UG/KG	U					U	710	UG/KG	U
4-METHYL-2-PENTANONE	U	430	UG/KG	UJ	U	420	UG/KG	U					U	710	UG/KG	UJ
4-METHYLPHENOLPROPHYL ETHER																

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Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ TCLP
NAPHTHALENE		16000	UG/KG	-
NITROBENZENE	U	980	UG/KG	UJ
PENTACHLOROPHENOL	U	4900	UG/KG	U
PHENANTHRENE	E	370000	UG/KG	-
PHENOL	J	330	UG/KG	J
PYRENE	E	250000	UG/KG	J
1,1,1-TRICHLOROETHANE	U	330	UG/KG	U
1,1,2,2-TETRACHLOROETHANE	U	330	UG/KG	U
1,1,2-TRICHLOROETHANE	U	330	UG/KG	U
1,1-DICHLOROETHANE	U	330	UG/KG	U
1,1-DICHLOROETHENE	U	330	UG/KG	U
1,2-DICHLOROETHANE	U	330	UG/KG	U
1,2-DICHLOROETHENE	U	330	UG/KG	U
1,2-DICHLOROPROPANE	U	330	UG/KG	U
1,2-DICHLOROPROPENE				
1,3-DICHLOROPROPENE	U	330	UG/KG	U
1,3-DICHLOROPROPYLENE				
2-BUTANONE	U	660	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	660	UG/KG	R
2-HEXANONE	U	660	UG/KG	U
4-METHYL-2-PENTANONE	U	660	UG/KG	UJ
4-METHYLPHENOLPROPHYL ETHER				

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Characterization Investigation Study - Pit 2
Pit Material Organic Results

Well/Boring:	02-01				02-03				02-03				02-04			
Sample ID:	PS-02-007				PS-02-017				PS-02-018				PS-02-026			
Sample Date:	04/16/87				04/17/87				04/17/87				04/20/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				10.0				10.0				10.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	U	430	UG/KG	U	U	420	UG/KG	U					J	230	UG/KG	J
ACROLEIN																
ACRYLONITRILE																
BENZENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
BROMODICHLOROMETHANE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
BROMOFORM	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
BROMOMETHANE	U	430	UG/KG	UJ	U	420	UG/KG	UJ					U	710	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER																
CARBON DISULFIDE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
CARBON TETRACHLORIDE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
CHLOROBENZENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
CHLOROETHANE	U	430	UG/KG	U	U	420	UG/KG	U					U	710	UG/KG	U
CHLOROFORM	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
CHLOROMETHANE	U	430	UG/KG	UJ	U	420	UG/KG	UJ					U	710	UG/KG	UJ
DIBROMOCHLOROMETHANE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
DICHLORODIFLUOROMETHANE																
ETHYLBENZENE	U	220	UG/KG	U	J	48	UG/KG	J					U	360	UG/KG	U
METHYLENE CHLORIDE	B	550	UG/KG	UJ	B	370	UG/KG	UJ					BJ	200	UG/KG	J
STYRENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
TETRACHLOROETHENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
TOLUENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
TOTAL XYLENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U

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Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ TCLP
ACETONE	J	540	UG/KG	J
ACROLEIN				
ACRYLONITRILE				
BENZENE	U	330	UG/KG	U
BROMODICHLOROMETHANE	U	330	UG/KG	U
BROMOFORM	U	330	UG/KG	U
BROMOMETHANE	U	660	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER				
CARBON DISULFIDE	U	330	UG/KG	U
CARBON TETRACHLORIDE	U	330	UG/KG	U
CHLOROBENZENE	U	330	UG/KG	U
CHLOROETHANE	U	660	UG/KG	U
CHLOROFORM	U	330	UG/KG	U
CHLOROMETHANE	U	660	UG/KG	UJ
DIBROMOCHLOROMETHANE	U	330	UG/KG	U
DICHLORODIFLUOROMETHANE				
ETHYLBENZENE	U	330	UG/KG	U
METHYLENE CHLORIDE	BJ	170	UG/KG	J
STYRENE	U	330	UG/KG	U
TETRACHLOROETHENE	U	330	UG/KG	U
TOLUENE	U	330	UG/KG	U
TOTAL XYLENE	J	260	UG/KG	J

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Characterization Investigation Study - Pit 2
Pit Material Organic Results

Well/Boring:	02-01				02-03				02-03				02-04			
Sample ID:	PS-02-007				PS-02-017				PS-02-018				PS-02-026			
Sample Date:	04/16/87				04/17/87				04/17/87				04/20/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				10.0				10.0				10.0			
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ
TRANS-1,2-DICHLOROETHENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
TRICHLOROETHENE	U	220	UG/KG	U	U	210	UG/KG	U					U	360	UG/KG	U
VINYL ACETATE	U	430	UG/KG	UJ	U	420	UG/KG	U					U	710	UG/KG	UJ
VINYL CHLORIDE	U	430	UG/KG	U		670	UG/KG	-					U	710	UG/KG	U

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Well/Boring:	02-05
Sample ID:	PS-02-038
Sample Date:	04/20/87
Top Depth (ft):	0.0
Bottom Depth (ft):	10.0

Parameters	LQ	Result	Unit	VQ TCLP
TRANS-1,2-DICHLOROETHENE	U	330	UG/KG	U
TRICHLOROETHENE	U	330	UG/KG	U
VINYL ACETATE	U	660	UG/KG	UJ
VINYL CHLORIDE	U	660	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2,3,4,6,7,8-HpCDD	U	.32	UG/KG	UJ	U	.24	UG/KG	UJ								
1,2,3,4,6,7,8-HpCDF	U	.18	UG/KG	U	U	.3	UG/KG	U								
1,2,3,4,7,8,9-Heptachlorodiben	U	.22	UG/KG	U	U	.42	UG/KG	U								
1,2,3,4,7,8-Hexachlorodibenzo-	U	.3	UG/KG	U	U	.14	UG/KG	U								
1,2,3,4,7,8-Hexachlorodibenzof	U	.016	UG/KG	U	U	.14	UG/KG	U								
1,2,3,6,7,8-Hexachlorodibenzo-	U	.24	UG/KG	U	U	.11	UG/KG	U								
1,2,3,6,7,8-Hexachlorodibenzof	U	.14	UG/KG	U	U	.13	UG/KG	U								
1,2,3,7,8,9-Hexachlorodibenzo-	U	.25	UG/KG	U	U	.12	UG/KG	U								
1,2,3,7,8,9-Hexachlorodibenzof		.18	UG/KG	U	U	.16	UG/KG	U								
1,2,3,7,8-Pentachlorodibenzo-p	U	.09	UG/KG	UJ	U	.17	UG/KG	UJ								
1,2,3,7,8-Pentachlorodibenzofu	U	.08	UG/KG	UJ	U	.1	UG/KG	UJ								
2,3,4,6,7,8-Hexachlorodibenzof	U	.17	UG/KG	U	U	.15	UG/KG	U								
2,3,4,7,8-Pentachlorodibenzofu	U	.085	UG/KG	UJ	U	.11	UG/KG	UJ								
2,3,7,8-TCDD	U	.19	UG/KG	U	U	.38	UG/KG	U								
2,3,7,8-TCDF	U	.14	UG/KG	U	U	.25	UG/KG	U								
Heptachlorodibenzo-p-dioxin		.37	UG/KG	J	U	.28	UG/KG	UJ								
Heptachlorodibenzofuran		.65	UG/KG	-	U	.35	UG/KG	U								
Hexachlorodibenzo-p-dioxin	U	.26	UG/KG	U	U	.12	UG/KG	U								
Hexachlorodibenzofuran		.13	UG/KG	-	U	.14	UG/KG	U								
Octachlorodibenzo-p-dioxin		3.8	UG/KG	J	U	3	UG/KG	J								
Octachlorodibenzofuran		.85	UG/KG	J	U	.16	UG/KG	UJ								

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1768				1768				1768				1768		
Sample ID:		063620				063621				063625				063630		
Sample Date:		22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):		13				13.5				15.5				7		
Bottom Depth (ft):		13.5				14				16				14		
1,2,3,4,6,7,8-HpCDD														3.8	UG/KG	-
1,2,3,4,6,7,8-HpCDF														1	UG/KG	-
1,2,3,4,7,8,9-Heptachlorodiben													U	.65	UG/KG	U
1,2,3,4,7,8-Hexachlorodibenzo-													U	.15	UG/KG	U
1,2,3,4,7,8-Hexachlorodibenzof														.26	UG/KG	J
1,2,3,6,7,8-Hexachlorodibenzo-													U	.12	UG/KG	U
1,2,3,6,7,8-Hexachlorodibenzof													U	.095	UG/KG	U
1,2,3,7,8,9-Hexachlorodibenzo-													U	.13	UG/KG	U
1,2,3,7,8,9-Hexachlorodibenzof													U	.35	UG/KG	U
1,2,3,7,8-Pentachlorodibenzo-p													U	.19	UG/KG	UJ
1,2,3,7,8-Pentachlorodibenzofu													U	.19	UG/KG	UJ
2,3,4,6,7,8-Hexachlorodibenzof													U	.32	UG/KG	U
2,3,4,7,8-Pentachlorodibenzofu													U	.21	UG/KG	UJ
2,3,7,8-TCDD													U	.75	UG/KG	U
2,3,7,8-TCDF													U	.24	UG/KG	U
Heptachlorodibenzo-p-dioxin														8.1	UG/KG	-
Heptachlorodibenzofuran														5.9	UG/KG	-
Hexachlorodibenzo-p-dioxin														.32	UG/KG	-
Hexachlorodibenzofuran														2.7	UG/KG	J
Octachlorodibenzo-p-dioxin														45.9	UG/KG	J
Octachlorodibenzofuran														4.9	UG/KG	J

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818		
Sample ID:	063632				063634				063866				063867		
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91		
Top Depth (ft):	14				0				7.5				15		
Bottom Depth (ft):	17.5				17.5				8				15.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2,3,4,6,7,8-HpCDD		.95	UG/KG	-												
1,2,3,4,6,7,8-HpCDF	U	.43	UG/KG	U												
1,2,3,4,7,8,9-Heptachlorodiben	U	.6	UG/KG	U												
1,2,3,4,7,8-Hexachlorodibenzo-	U	.75	UG/KG	U												
1,2,3,4,7,8-Hexachlorodibenzof	U	.33	UG/KG	U												
1,2,3,6,7,8-Hexachlorodibenzo-	U	.6	UG/KG	U												
1,2,3,6,7,8-Hexachlorodibenzof	U	.3	UG/KG	U												
1,2,3,7,8,9-Hexachlorodibenzo-	U	.6	UG/KG	U												
1,2,3,7,8,9-Hexachlorodibenzof	U	.38	UG/KG	U												
1,2,3,7,8-Pentachlorodibenzo-p	U	.55	UG/KG	UJ												
1,2,3,7,8-Pentachlorodibenzofu	U	.3	UG/KG	UJ												
2,3,4,6,7,8-Hexachlorodibenzof	U	.35	UG/KG	U												
2,3,4,7,8-Pentachlorodibenzofu	U	.33	UG/KG	UJ												
2,3,7,8-TCDD	U	.55	UG/KG	U												
2,3,7,8-TCDF	U	.28	UG/KG	U												
Heptachlorodibenzo-p-dioxin		2.1	UG/KG	-												
Heptachlorodibenzofuran		1.4	UG/KG	J												
Hexachlorodibenzo-p-dioxin	U	.65	UG/KG	U												
Hexachlorodibenzofuran	U	.34	UG/KG	U												
Octachlorodibenzo-p-dioxin		13.5	UG/KG	J												
Octachlorodibenzofuran		1.3	UG/KG	J												

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1769					1769					1769					1769			
Sample ID:		063512					063524					063525					063531			
Sample Date:		20-AUG-91					21-AUG-91					21-AUG-91					21-AUG-91			
Top Depth (ft):		7.5					15					15.5					20			
Bottom Depth (ft):		8					15.5					16					20.5			
Pentachlorodibenzo-p-dioxin																				
Pentachlorodibenzofuran																				
Tetrachlorodibenzo-p-dioxin																				
Tetrachlorodibenzofuran																				
2,4,5-T																				
2,4,5-TP (Silvex)																				
2,4-D																				
Dinoseb						U	5300	UG/KG	UJ											
Sulfotepp						U	2600	UG/KG	UJ											
Azinphosmethyl																				
Demeton																				
Diazinon																				
Dimethoate																				
Disulfoton																				
Ethion																				
Famphur																				
Malathion																				
Parathion, ethyl																				
Parathion, methyl																				
Tetraethylpyrophosphate																				
Thionazin																				

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin	U	.09	UG/KG	UJ	U	.17	UG/KG	UJ								
Pentachlorodibenzofuran	U	.08	UG/KG	UJ	U	.11	UG/KG	UJ								
Tetrachlorodibenzo-p-dioxin	U	.042	UG/KG	U	U	.032	UG/KG	U								
Tetrachlorodibenzofuran	U	.085	UG/KG	UJ	U	.065	UG/KG	UJ								
2,4,5-T	U	53	UG/KG	U												
2,4,5-TP (Silvex)	U	49	UG/KG	U												
2,4-D	U	270	UG/KG	U												
Dinoseb	U	19	UG/KG	U												
Sulfotepp	U	500	UG/KG	U												
Azinphosmethyl	U	5000	UG/KG	U												
Demeton	U	1000	UG/KG	U												
Diazinon	U	500	UG/KG	U												
Dimethoate	U	500	UG/KG	U												
Disulfoton	U	500	UG/KG	U												
Ethion	U	500	UG/KG	U												
Famphur	U	500	UG/KG	U												
Malathion	U	500	UG/KG	U												
Parathion, ethyl	U	500	UG/KG	U												
Parathion, methyl	U	500	UG/KG	U												
Tetraethylpyrophosphate	U	2000	UG/KG	U												
Thionazin	U	500	UG/KG	U												

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Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768		
Sample ID:	063620				063621				063625				063630		
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):	13				13.5				15.5				7		
Bottom Depth (ft):	13.5				14				16				14		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Pentachlorodibenzo-p-dioxin											U	.19	UG/KG	UJ	
Pentachlorodibenzofuran												.55	UG/KG	J	
Tetrachlorodibenzo-p-dioxin											U	.075	UG/KG	U	
Tetrachlorodibenzofuran											U	.17	UG/KG	UJ	
2,4,5-T											U	130	UG/KG	U	
2,4,5-TP (Silvex)											U	120	UG/KG	U	
2,4-D											U	660	UG/KG	U	
Dinoseb											U	46	UG/KG	U	
Sulfotepp											U	100	UG/KG	U	
Azinphosmethyl															
Demeton															
Diazinon															
Dimethoate											U	100	UG/KG	U	
Disulfoton											U	100	UG/KG	U	
Ethion											U	100	UG/KG	U	
Famphur											U	100	UG/KG	U	
Malathion															
Parathion, ethyl											U	100	UG/KG	U	
Parathion, methyl											U	100	UG/KG	U	
Tetraethylpyrophosphate															
Thionazin											U	100	UG/KG	U	

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818		
Sample ID:	063632				063634				063866				063867		
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91		
Top Depth (ft):	14				0				7.5				15		
Bottom Depth (ft):	17.5				17.5				8				15.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin	U	.55	UG/KG	UJ												
Pentachlorodibenzofuran	U	.31	UG/KG	UJ												
Tetrachlorodibenzo-p-dioxin	U	.14	UG/KG	U												
Tetrachlorodibenzofuran	U	.15	UG/KG	UJ												
2,4,5-T																
2,4,5-TP (Silvex)																
2,4-D																
Dinoseb													U	6000	UG/KG	U
Sulfotepp													U	2900	UG/KG	UJ
Azinphosmethyl																
Demeton																
Diazinon																
Dimethoate																
Disulfoton																
Ethion																
Famphur																
Malathion																
Parathion, ethyl																
Parathion, methyl																
Tetraethylpyrophosphate																
Thionazin																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1818				1817			
Sample ID:	063868				063876			
Sample Date:	20-SEP-91				21-SEP-91			
Top Depth (ft):	20				13			
Bottom Depth (ft):	20.5				13.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin								
Pentachlorodibenzofuran								
Tetrachlorodibenzo-p-dioxin								
Tetrachlorodibenzofuran								
2,4,5-T								
2,4,5-TP (Silvex)								
2,4-D								
Dinoseb					U	5000	UG/KG	U
Sulfotepp					U	2500	UG/KG	U
Azinphosmethyl								
Demeton								
Diazinon								
Dimethoate								
Disulfoton								
Ethion								
Famphur								
Malathion								
Parathion, ethyl								
Parathion, methyl								
Tetraethylpyrophosphate								
Thionazin								

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	440	UG/KG	U	U	580	UG/KG	UJ								
4,4-DDE	U	440	UG/KG	U	U	580	UG/KG	UJ								
4,4-DDT	U	440	UG/KG	U	U	580	UG/KG	UJ								
Aldrin	U	220	UG/KG	U	U	290	UG/KG	U								
Aroclor-1016	U	2200	UG/KG	U	U	2900	UG/KG	UJ								
Aroclor-1221	U	2200	UG/KG	U	U	2900	UG/KG	UJ								
Aroclor-1232	U	2200	UG/KG	U	U	2900	UG/KG	UJ								
Aroclor-1242	U	2200	UG/KG	U	U	2900	UG/KG	UJ								
Aroclor-1248	U	2200	UG/KG	U	U	2900	UG/KG	UJ								
Aroclor-1254	U	4400	UG/KG	U	U	5800	UG/KG	UJ								
Aroclor-1260	U	4400	UG/KG	U	U	5800	UG/KG	UJ								
Dieldrin	U	440	UG/KG	U	U	580	UG/KG	UJ								
Endosulfan II	U	440	UG/KG	U	U	580	UG/KG	UJ								
Endosulfan sulfate	U	440	UG/KG	U	U	580	UG/KG	UJ								
Endosulfan-I	U	220	UG/KG	U	U	290	UG/KG	UJ								
Endrin	U	440	UG/KG	U	U	580	UG/KG	UJ								
Endrin ketone	U	440	UG/KG	U	U	580	UG/KG	UJ								
Heptachlor	U	220	UG/KG	U	U	290	UG/KG	U								
Heptachlor epoxide	U	220	UG/KG	U	U	290	UG/KG	UJ								
Isodrin	U	220	UG/KG	U												
Kepone	U	440	UG/KG	U												

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768		
Sample ID:	063620				063621				063625				063630		
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):	13				13.5				15.5				7		
Bottom Depth (ft):	13.5				14				16				14		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
4,4-DDD										U	55	UG/KG	U		
4,4-DDE										U	55	UG/KG	U		
4,4-DDT										U	55	UG/KG	U		
Aldrin										U	27	UG/KG	U		
Aroclor-1016										U	270	UG/KG	U		
Aroclor-1221										U	270	UG/KG	U		
Aroclor-1232										U	270	UG/KG	U		
Aroclor-1242										U	270	UG/KG	U		
Aroclor-1248										XF	4900	UG/KG	J		
Aroclor-1254										U	550	UG/KG	U		
Aroclor-1260										U	550	UG/KG	U		
Dieldrin										U	55	UG/KG	U		
Endosulfan II										U	55	UG/KG	U		
Endosulfan sulfate										U	55	UG/KG	U		
Endosulfan-I										U	27	UG/KG	U		
Endrin										U	55	UG/KG	U		
Endrin ketone										U	55	UG/KG	U		
Heptachlor										U	27	UG/KG	U		
Heptachlor epoxide										U	27	UG/KG	U		
Isodrin										U	27	UG/KG	U		
Kepone										U	55	UG/KG	U		

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818		
Sample ID:	063632				063634				063866				063867		
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91		
Top Depth (ft):	14				0				7.5				15		
Bottom Depth (ft):	17.5				17.5				8				15.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
4,4-DDD	U	32	UG/KG	U											
4,4-DDE	U	32	UG/KG	U											
4,4-DDT	U	32	UG/KG	U											
Aldrin	U	16	UG/KG	U											
Aroclor-1016	U	160	UG/KG	U											
Aroclor-1221	U	160	UG/KG	U											
Aroclor-1232	U	160	UG/KG	U											
Aroclor-1242	U	160	UG/KG	U											
Aroclor-1248	XP	1300	UG/KG	J											
Aroclor-1254	U	320	UG/KG	U											
Aroclor-1260	U	320	UG/KG	U											
Dieldrin	U	32	UG/KG	U											
Endosulfan II	U	32	UG/KG	U											
Endosulfan sulfate	U	32	UG/KG	U											
Endosulfan-I	U	16	UG/KG	U											
Endrin	U	32	UG/KG	U											
Endrin ketone	U	32	UG/KG	U											
Heptachlor	U	16	UG/KG	U											
Heptachlor epoxide	U	16	UG/KG	U											
Isodrin															
Kepone															

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1769				1769				1769				1769		
Sample ID:		063512				063524				063525				063531		
Sample Date:		20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91		
Top Depth (ft):		7.5				15				15.5				20		
Bottom Depth (ft):		8				15.5				16				20.5		
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																
1,2,4,5-Tetrachlorobenzene					U	2600	UG/KG	UJ								
1,2,4-Trichlorobenzene					U	2600	UG/KG	UJ								
1,2-Dichlorobenzene					U	2600	UG/KG	UJ								
1,3,5-Trinitrobenzene					U	2600	UG/KG	R								
1,3-Dichlorobenzene					U	2600	UG/KG	UJ								
1,3-Dinitrobenzene					U	2600	UG/KG	UJ								
1,4-Dichlorobenzene					U	2600	UG/KG	UJ								
1,4-Naphthoquinone					U	2600	UG/KG	R								
1-Naphthylamine					U	32000	UG/KG	UJ								
2,3,4,6-Tetrachlorophenol					U	2600	UG/KG	UJ								
2,4,5-Trichlorophenol					U	13000	UG/KG	UJ								
2,4,6-Trichlorophenol					U	2600	UG/KG	UJ								
2,4-Dichlorophenol					U	2600	UG/KG	UJ								

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Methoxychlor	U	2200	UG/KG	U	U	2900	UG/KG	UJ							
Toxaphene	U	4400	UG/KG	U	U	5800	UG/KG	UJ							
alpha-BHC	U	220	UG/KG	U	U	290	UG/KG	U							
alpha-Chlordane	U	2200	UG/KG	U	U	2900	UG/KG	UJ							
beta-BHC	U	220	UG/KG	U	U	290	UG/KG	U							
delta-BHC	U	220	UG/KG	U	U	290	UG/KG	U							
gamma-BHC (Lindane)	U	220	UG/KG	U	U	290	UG/KG	U							
gamma-Chlordane	U	2200	UG/KG	U	U	2900	UG/KG	UJ							
1,2,4,5-Tetrachlorobenzene															
1,2,4-Trichlorobenzene	U	890	UG/KG	U	U	2400	UG/KG	UJ							
1,2-Dichlorobenzene	U	890	UG/KG	U	U	2400	UG/KG	UJ							
1,3,5-Trinitrobenzene															
1,3-Dichlorobenzene	U	890	UG/KG	U	U	2400	UG/KG	UJ							
1,3-Dinitrobenzene															
1,4-Dichlorobenzene	U	890	UG/KG	U	U	2400	UG/KG	UJ							
1,4-Naphthoquinone															
1-Naphthylamine															
2,3,4,6-Tetrachlorophenol															
2,4,5-Trichlorophenol	U	4300	UG/KG	U	U	11000	UG/KG	UJ							
2,4,6-Trichlorophenol	U	890	UG/KG	U	U	2400	UG/KG	UJ							
2,4-Dichlorophenol	U	890	UG/KG	U	U	2400	UG/KG	UJ							

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1768				1768				1768				1768		
Sample ID:		063620				063621				063625				063630		
Sample Date:		22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):		13				13.5				15.5				7		
Bottom Depth (ft):		13.5				14				16				14		
Methoxychlor													U	270	UG/KG	U
Toxaphene													U	550	UG/KG	U
alpha-BHC													U	27	UG/KG	U
alpha-Chlordane													U	270	UG/KG	U
beta-BHC													U	27	UG/KG	U
delta-BHC													U	27	UG/KG	U
gamma-BHC (Lindane)													U	27	UG/KG	U
gamma-Chlordane													U	270	UG/KG	U
1,2,4,5-Tetrachlorobenzene																
1,2,4-Trichlorobenzene													U	1100	UG/KG	UJ
1,2-Dichlorobenzene													U	1100	UG/KG	UJ
1,3,5-Trinitrobenzene																
1,3-Dichlorobenzene													U	1100	UG/KG	UJ
1,3-Dinitrobenzene																
1,4-Dichlorobenzene													U	1100	UG/KG	UJ
1,4-Naphthoquinone																
1-Naphthylamine																
2,3,4,6-Tetrachlorophenol																
2,4,5-Trichlorophenol													U	5500	UG/KG	UJ
2,4,6-Trichlorophenol													U	1100	UG/KG	UJ
2,4-Dichlorophenol													U	1100	UG/KG	UJ

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818		
Sample ID:	063632				063634				063866				063867		
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91		
Top Depth (ft):	14				0				7.5				15		
Bottom Depth (ft):	17.5				17.5				8				15.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Methoxychlor	U	160	UG/KG	U											
Toxaphene	U	320	UG/KG	U											
alpha-BHC	U	16	UG/KG	U											
alpha-Chlordane	U	160	UG/KG	U											
beta-BHC	U	16	UG/KG	U											
delta-BHC	U	16	UG/KG	U											
gamma-BHC (Lindane)	U	16	UG/KG	U											
gamma-Chlordane	U	160	UG/KG	U											
1,2,4,5-Tetrachlorobenzene										U	2900	UG/KG	UJ		
1,2,4-Trichlorobenzene	U	650	UG/KG	U						U	2900	UG/KG	U		
1,2-Dichlorobenzene	U	650	UG/KG	U						U	2900	UG/KG	U		
1,3,5-Trinitrobenzene										U	2900	UG/KG	R		
1,3-Dichlorobenzene	U	650	UG/KG	U						U	2900	UG/KG	U		
1,3-Dinitrobenzene										U	2900	UG/KG	UJ		
1,4-Dichlorobenzene	U	650	UG/KG	U						U	2900	UG/KG	U		
1,4-Naphthoquinone										U	2900	UG/KG	R		
1-Naphthylamine										U	36000	UG/KG	U		
2,3,4,6-Tetrachlorophenol										U	2900	UG/KG	U		
2,4,5-Trichlorophenol	U	3200	UG/KG	U						U	14000	UG/KG	U		
2,4,6-Trichlorophenol	U	650	UG/KG	U						U	2900	UG/KG	U		
2,4-Dichlorophenol	U	650	UG/KG	U						U	2900	UG/KG	U		

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1818				1817		
Sample ID:		063868				063876		
Sample Date:		20-SEP-91				21-SEP-91		
Top Depth (ft):		20				13		
Bottom Depth (ft):		20.5				13.5		
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								
1,2,4,5-Tetrachlorobenzene					U	2500	UG/KG	UJ
1,2,4-Trichlorobenzene					U	2500	UG/KG	U
1,2-Dichlorobenzene					U	2500	UG/KG	U
1,3,5-Trinitrobenzene					U	2500	UG/KG	R
1,3-Dichlorobenzene					U	2500	UG/KG	U
1,3-Dinitrobenzene					U	2500	UG/KG	UJ
1,4-Dichlorobenzene					U	2500	UG/KG	U
1,4-Naphthoquinone					U	2500	UG/KG	R
1-Naphthylamine					U	30000	UG/KG	U
2,3,4,6-Tetrachlorophenol					U	2500	UG/KG	U
2,4,5-Trichlorophenol					U	12000	UG/KG	U
2,4,6-Trichlorophenol					U	2500	UG/KG	U
2,4-Dichlorophenol					U	2500	UG/KG	U

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1769		
Sample ID:	063512				063524				063525				063531		
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91		
Top Depth (ft):	7.5				15				15.5				20		
Bottom Depth (ft):	8				15.5				16				20.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol					U	2600	UG/KG	UJ								
2,4-Dinitrophenol					U	13000	UG/KG	UJ								
2,4-Dinitrotoluene					U	2600	UG/KG	UJ								
2,6-Dichlorophenol					U	2600	UG/KG	UJ								
2,6-Dinitrotoluene					U	2600	UG/KG	UJ								
2-Acetylaminofluorene					U	2600	UG/KG	UJ								
2-Chloronaphthalene					U	2600	UG/KG	UJ								
2-Chlorophenol					U	2600	UG/KG	UJ								
2-Methylnaphthalene					U	2600	UG/KG	UJ								
2-Methylphenol					U	2600	UG/KG	UJ								
2-Naphthylamine					U	45000	UG/KG	UJ								
2-Nitroaniline					U	13000	UG/KG	UJ								
2-Nitrophenol					U	2600	UG/KG	UJ								
2-Picoline					U	18000	UG/KG	UJ								
3,3'-Dichlorobenzidine					U	5200	UG/KG	UJ								
3,3'-Dimethylbenzidine					U	21000	UG/KG	UJ								
3-Methylcholanthrene					U	7900	UG/KG	UJ								
3-Methylphenol					U	2600	UG/KG	UJ								
3-Nitroaniline					U	13000	UG/KG	UJ								
4,6-Dinitro-2-methylphenol					U	13000	UG/KG	UJ								
4-Aminobiphenyl					U	13000	UG/KG	UJ								

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1 3 0 7

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol	U	890	UG/KG	U	U	2400	UG/KG	UJ								
2,4-Dinitrophenol	U	4300	UG/KG	U	U	11000	UG/KG	UJ								
2,4-Dinitrotoluene	U	890	UG/KG	U	U	2400	UG/KG	UJ								
2,6-Dichlorophenol																
2,6-Dinitrotoluene	U	890	UG/KG	U	U	2400	UG/KG	UJ								
2-Acetylaminofluorene																
2-Chloronaphthalene	U	890	UG/KG	U	U	2400	UG/KG	UJ								
2-Chlorophenol	U	890	UG/KG	U	U	2400	UG/KG	UJ								
2-Methylnaphthalene		6300	UG/KG	-		7800	UG/KG	J								
2-Methylphenol	U	890	UG/KG	U	U	2400	UG/KG	UJ								
2-Naphthylamine																
2-Nitroaniline	U	4300	UG/KG	U	U	11000	UG/KG	UJ								
2-Nitrophenol	U	890	UG/KG	U	U	2400	UG/KG	UJ								
2-Picoline																
3,3'-Dichlorobenzidine	U	1800	UG/KG	U	U	4700	UG/KG	UJ								
3,3'-Dimethylbenzidine																
3-Methylcholanthrene																
3-Methylphenol																
3-Nitroaniline	U	4300	UG/KG	U	U	11000	UG/KG	UJ								
4,6-Dinitro-2-methylphenol	U	4300	UG/KG	U	U	11000	UG/KG	UJ								
4-Aminobiphenyl																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768		
Sample ID:	063620				063621				063625				063630		
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):	13				13.5				15.5				7		
Bottom Depth (ft):	13.5				14				16				14		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol													U	1100	UG/KG	UJ
2,4-Dinitrophenol													U	5500	UG/KG	UJ
2,4-Dinitrotoluene													U	1100	UG/KG	UJ
2,6-Dichlorophenol																
2,6-Dinitrotoluene													U	1100	UG/KG	UJ
2-Acetylaminofluorene																
2-Chloronaphthalene													U	1100	UG/KG	UJ
2-Chlorophenol													J	220	UG/KG	J
2-Methylnaphthalene													U	1100	UG/KG	UJ
2-Methylphenol													U	1100	UG/KG	UJ
2-Naphthylamine																
2-Nitroaniline													U	5500	UG/KG	UJ
2-Nitrophenol													U	1100	UG/KG	UJ
2-Picoline																
3,3'-Dichlorobenzidine													U	2300	UG/KG	UJ
3,3'-Dimethylbenzidine																
3-Methylcholanthrene																
3-Methylphenol																
3-Nitroaniline													U	5500	UG/KG	UJ
4,6-Dinitro-2-methylphenol													U	5500	UG/KG	UJ
4-Aminobiphenyl																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818			
Sample ID:	063632				063634				063866				063867			
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91			
Top Depth (ft):	14				0				7.5				15			
Bottom Depth (ft):	17.5				17.5				8				15.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol	U	650	UG/KG	U									U	2900	UG/KG	U
2,4-Dinitrophenol	U	3200	UG/KG	U									U	14000	UG/KG	U
2,4-Dinitrotoluene	U	650	UG/KG	U									U	2900	UG/KG	U
2,6-Dichlorophenol													U	2900	UG/KG	U
2,6-Dinitrotoluene	U	650	UG/KG	U									U	2900	UG/KG	U
2-Acetylaminofluorene													U	2900	UG/KG	R
2-Chloronaphthalene	U	650	UG/KG	U									U	2900	UG/KG	U
2-Chlorophenol	U	650	UG/KG	U									U	2900	UG/KG	U
2-Methylnaphthalene	U	650	UG/KG	U									J	1900	UG/KG	J
2-Methylphenol	U	650	UG/KG	U									U	2900	UG/KG	U
2-Naphthylamine													U	51000	UG/KG	UJ
2-Nitroaniline	U	3200	UG/KG	U									U	14000	UG/KG	U
2-Nitrophenol	U	650	UG/KG	U									U	2900	UG/KG	U
2-Picoline													U	20000	UG/KG	U
3,3'-Dichlorobenzidine	U	1300	UG/KG	U									U	5900	UG/KG	U
3,3'-Dimethylbenzidine													U	24000	UG/KG	R
3-Methylcholanthrene													U	8900	UG/KG	R
3-Methylphenol													U	2900	UG/KG	U
3-Nitroaniline	U	3200	UG/KG	U									U	14000	UG/KG	U
4,6-Dinitro-2-methylphenol	U	3200	UG/KG	U									U	14000	UG/KG	U
4-Aminobiphenyl													U	15000	UG/KG	U

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Well/Boring:	1818				1817			
Sample ID:	063868				063876			
Sample Date:	20-SEP-91				21-SEP-91			
Top Depth (ft):	20				13			
Bottom Depth (ft):	20.5				13.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol					U	2500	UG/KG	U
2,4-Dinitrophenol					U	12000	UG/KG	U
2,4-Dinitrotoluene					U	2500	UG/KG	U
2,6-Dichlorophenol					U	2500	UG/KG	U
2,6-Dinitrotoluene					U	2500	UG/KG	U
2-Acetylaminofluorene					U	2500	UG/KG	R
2-Chloronaphthalene					U	2500	UG/KG	U
2-Chlorophenol					U	2500	UG/KG	U
2-Methylnaphthalene					U	2500	UG/KG	U
2-Methylphenol					U	2500	UG/KG	U
2-Naphthylamine					U	43000	UG/KG	UJ
2-Nitroaniline					U	12000	UG/KG	U
2-Nitrophenol					U	2500	UG/KG	U
2-Picoline					U	17000	UG/KG	U
3,3'-Dichlorobenzidine					U	4900	UG/KG	U
3,3'-Dimethylbenzidine					U	20000	UG/KG	R
3-Methylcholanthrene					U	7500	UG/KG	R
3-Methylphenol					U	2500	UG/KG	U
3-Nitroaniline					U	12000	UG/KG	U
4,6-Dinitro-2-methylphenol					U	12000	UG/KG	U
4-Aminobiphenyl					U	12000	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:		1769				1769				1769				1769				
Sample ID:		063512				063524				063525				063531				
Sample Date:		20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91				
Top Depth (ft):		7.5				15				15.5				20				
Bottom Depth (ft):		8				15.5				16				20.5				
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP		
4-Bromophenyl phenyl ether					U	2600	UG/KG	UJ										
4-Chloro-3-methylphenol					U	2600	UG/KG	UJ										
4-Chloroaniline					U	2600	UG/KG	UJ										
4-Chlorophenylphenyl ether					U	2600	UG/KG	UJ										
4-Methylphenol					U	2600	UG/KG	UJ										
4-Nitroaniline					U	13000	UG/KG	UJ										
4-Nitrophenol					U	13000	UG/KG	UJ										
4-Nitroquinoline-1-oxide					U	2600	UG/KG	UJ										
5-Nitro-o-toluidine					U	5300	UG/KG	UJ										
7,12-Dimethylbenz(a)anthracene					U	5300	UG/KG	UJ										
Acenaphthene					U	2600	UG/KG	UJ										
Acenaphthylene					U	2600	UG/KG	UJ										
Acetophenone					U	2600	UG/KG	R										
Aniline					U	13000	UG/KG	UJ										
Anthracene					U	2600	UG/KG	UJ										
Aramite					U	2600	UG/KG	UJ										
Benzo(a)anthracene					U	2600	UG/KG	UJ										
Benzo(a)pyrene					U	2600	UG/KG	UJ										
Benzo(b)fluoranthene					U	2600	UG/KG	UJ										
Benzo(g,h,i)perylene					U	2600	UG/KG	UJ										
Benzo(k)fluoranthene					U	2600	UG/KG	UJ										

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether	U	890	UG/KG	U	U	2400	UG/KG	UJ								
4-Chloro-3-methylphenol	U	890	UG/KG	U	U	2400	UG/KG	UJ								
4-Chloroaniline	U	890	UG/KG	U	U	2400	UG/KG	UJ								
4-Chlorophenylphenyl ether	U	890	UG/KG	U	U	2400	UG/KG	UJ								
4-Methylphenol	J	190	UG/KG	J	U	2400	UG/KG	UJ								
4-Nitroaniline	U	4300	UG/KG	U	U	11000	UG/KG	UJ								
4-Nitrophenol	U	4300	UG/KG	U	U	11000	UG/KG	UJ								
4-Nitroquinoline-1-oxide																
5-Nitro-o-toluidine																
7,12-Dimethylbenz(a)anthracene																
Acenaphthene		30000	UG/KG	J		31000	UG/KG	J								
Acenaphthylene	J	110	UG/KG	J	U	2400	UG/KG	UJ								
Acetophenone																
Aniline																
Anthracene		56000	UG/KG	J		35000	UG/KG	J								
Aramite																
Benzo(a)anthracene		90000	UG/KG	J		100000	UG/KG	-								
Benzo(a)pyrene		65000	UG/KG	J	J	68000	UG/KG	J								
Benzo(b)fluoranthene	U	890	UG/KG	U		130000	UG/KG	J								
Benzo(g,h,i)perylene		41000	UG/KG	J	J	42000	UG/KG	J								
Benzo(k)fluoranthene		32000	UG/KG	J	E	44000	UG/KG	J								

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768		
Sample ID:	063620				063621				063625				063630		
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):	13				13.5				15.5				7		
Bottom Depth (ft):	13.5				14				16				14		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
4-Bromophenyl phenyl ether										U	1100	UG/KG	UJ		
4-Chloro-3-methylphenol										J	230	UG/KG	J		
4-Chloroaniline										U	1100	UG/KG	UJ		
4-Chlorophenylphenyl ether										U	1100	UG/KG	UJ		
4-Methylphenol										U	1100	UG/KG	UJ		
4-Nitroaniline										U	5500	UG/KG	UJ		
4-Nitrophenol										J	190	UG/KG	J		
4-Nitroquinoline-1-oxide															
5-Nitro-o-toluidine															
7,12-Dimethylbenz(a)anthracene															
Acenaphthene										J	150	UG/KG	J		
Acenaphthylene										U	1100	UG/KG	UJ		
Acetophenone															
Aniline															
Anthracene										U	1100	UG/KG	UJ		
Aramite															
Benzo(a)anthracene										U	1100	UG/KG	UJ		
Benzo(a)pyrene										U	1100	UG/KG	UJ		
Benzo(b)fluoranthene										U	1100	UG/KG	UJ		
Benzo(g,h,i)perylene										U	1100	UG/KG	UJ		
Benzo(k)fluoranthene										U	1100	UG/KG	UJ		

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818		
Sample ID:	063632				063634				063866				063867		
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91		
Top Depth (ft):	14				0				7.5				15		
Bottom Depth (ft):	17.5				17.5				8				15.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether	U	650	UG/KG	U									U	2900	UG/KG	U
4-Chloro-3-methylphenol	U	650	UG/KG	U									U	2900	UG/KG	U
4-Chloroaniline	U	650	UG/KG	U									U	2900	UG/KG	U
4-Chlorophenylphenyl ether	U	650	UG/KG	U									U	2900	UG/KG	U
4-Methylphenol	U	650	UG/KG	U									U	2900	UG/KG	U
4-Nitroaniline	U	3200	UG/KG	UJ									U	14000	UG/KG	U
4-Nitrophenol	U	3200	UG/KG	U									U	14000	UG/KG	U
4-Nitroquinoline-1-oxide													U	2900	UG/KG	UJ
5-Nitro-o-toluidine													U	6000	UG/KG	U
7,12-Dimethylbenz(a)anthracene													U	6000	UG/KG	R
Acenaphthene	U	650	UG/KG	U										4800	UG/KG	U
Acenaphthylene	U	650	UG/KG	U									U	2900	UG/KG	U
Acetophenone													U	2900	UG/KG	U
Aniline													U	15000	UG/KG	U
Anthracene	U	650	UG/KG	U										7500	UG/KG	-
Aramite													U	2900	UG/KG	R
Benzo(a)anthracene	U	650	UG/KG	U										9300	UG/KG	-
Benzo(a)pyrene	U	650	UG/KG	U										7200	UG/KG	-
Benzo(b)fluoranthene	J	200	UG/KG	J										6000	UG/KG	-
Benzo(g,h,i)perylene	U	650	UG/KG	U										4500	UG/KG	-
Benzo(k)fluoranthene	U	650	UG/KG	U										7500	UG/KG	-

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1818				1817			
Sample ID:	063868				063876			
Sample Date:	20-SEP-91				21-SEP-91			
Top Depth (ft):	20				13			
Bottom Depth (ft):	20.5				13.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether					U	2500	UG/KG	U
4-Chloro-3-methylphenol					U	2500	UG/KG	U
4-Chloroaniline					U	2500	UG/KG	U
4-Chlorophenylphenyl ether					U	2500	UG/KG	U
4-Methylphenol					U	2500	UG/KG	U
4-Nitroaniline					U	12000	UG/KG	U
4-Nitrophenol					U	12000	UG/KG	U
4-Nitroquinoline-1-oxide					U	2500	UG/KG	UJ
5-Nitro-o-toluidine					U	5000	UG/KG	U
7,12-Dimethylbenz(a)anthracene					U	5000	UG/KG	R
Acenaphthene					U	2500	UG/KG	U
Acenaphthylene					U	2500	UG/KG	U
Acetophenone					U	2500	UG/KG	U
Aniline					U	13000	UG/KG	U
Anthracene					U	2500	UG/KG	U
Aramite					U	2500	UG/KG	R
Benzo(a)anthracene					U	2500	UG/KG	U
Benzo(a)pyrene					U	2500	UG/KG	U
Benzo(b)fluoranthene					U	2500	UG/KG	U
Benzo(g,h,i)perylene					U	2500	UG/KG	U
Benzo(k)fluoranthene					U	2500	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1769		
Sample ID:	063512				063524				063525				063531		
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91		
Top Depth (ft):	7.5				15				15.5				20		
Bottom Depth (ft):	8				15.5				16				20.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid					U	13000	UG/KG	UJ								
Benzyl alcohol					U	2600	UG/KG	UJ								
Butyl benzyl phthalate					U	2600	UG/KG	UJ								
Chlorobenzilate																
Chrysene					U	2600	UG/KG	UJ								
Di-n-butyl phthalate					U	2600	UG/KG	UJ								
Di-n-octyl phthalate					U	2600	UG/KG	UJ								
Diallate					U	2600	UG/KG	UJ								
Dibenzo(a,h)anthracene					U	2600	UG/KG	UJ								
Dibenzofuran					U	2600	UG/KG	UJ								
Diethyl phthalate					U	2600	UG/KG	UJ								
Dimethyl phthalate					U	2600	UG/KG	UJ								
Dinoseb					U	5300	UG/KG	UJ								
Diphenylamine					U	2600	UG/KG	UJ								
Ethyl methanesulfonate					U	2600	UG/KG	UJ								
Fluoranthene					U	2600	UG/KG	UJ								
Fluorene					U	2600	UG/KG	UJ								
Hexachlorobenzene					U	2600	UG/KG	UJ								
Hexachlorobutadiene					U	2600	UG/KG	UJ								
Hexachlorocyclopentadiene					U	2600	UG/KG	UJ								
Hexachloroethane					U	2600	UG/KG	UJ								

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid	J	400	UG/KG	J	J	850	UG/KG	J								
Benzyl alcohol	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Butyl benzyl phthalate	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Chlorobenzilate	U	440	UG/KG	U												
Chrysene		86000	UG/KG	J	U	100000	UG/KG	UJ								
Di-n-butyl phthalate	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Di-n-octyl phthalate	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Diallate																
Dibenzo(a,h)anthracene		12000	UG/KG	-		20000	UG/KG	J								
Dibenzofuran	J	20000	UG/KG	J		21000	UG/KG	J								
Diethyl phthalate	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Dimethyl phthalate	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Dinoseb	U	19	UG/KG	U												
Diphenylamine																
Ethyl methanesulfonate																
Fluoranthene		200000	UG/KG	J		280000	UG/KG	J								
Fluorene		33000	UG/KG	J		37000	UG/KG	J								
Hexachlorobenzene	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Hexachlorobutadiene	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Hexachlorocyclopentadiene	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Hexachloroethane	U	890	UG/KG	U	U	2400	UG/KG	UJ								

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768		
Sample ID:	063620				063621				063625				063630		
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):	13				13.5				15.5				7		
Bottom Depth (ft):	13.5				14				16				14		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid													J	300	UG/KG	J
Benzyl alcohol													U	1100	UG/KG	UJ
Butyl benzyl phthalate													U	1100	UG/KG	UJ
Chlorobenzilate													U	55	UG/KG	U
Chrysene													U	1100	UG/KG	UJ
Di-n-butyl phthalate													U	1100	UG/KG	UJ
Di-n-octyl phthalate													J	480	UG/KG	J
Diallate																
Dibenzo(a,h)anthracene													U	1100	UG/KG	UJ
Dibenzofuran													U	1100	UG/KG	UJ
Diethyl phthalate													U	1100	UG/KG	UJ
Dimethyl phthalate													U	1100	UG/KG	UJ
Dinoseb													U	46	UG/KG	U
Diphenylamine																
Ethyl methanesulfonate																
Fluoranthene													J	870	UG/KG	J
Fluorene													U	1100	UG/KG	UJ
Hexachlorobenzene													U	1100	UG/KG	UJ
Hexachlorobutadiene													U	1100	UG/KG	UJ
Hexachlorocyclopentadiene													U	1100	UG/KG	UJ
Hexachloroethane													U	1100	UG/KG	UJ

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818			
Sample ID:	063632				063634				063866				063867			
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91			
Top Depth (ft):	14				0				7.5				15			
Bottom Depth (ft):	17.5				17.5				8				15.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid	BJ	3200	UG/KG	UJ									J	390	UG/KG	J
Benzyl alcohol	U	650	UG/KG	U									U	2900	UG/KG	U
Butyl benzyl phthalate	U	650	UG/KG	U									U	2900	UG/KG	U
Chlorobenzilate																
Chrysene	U	650	UG/KG	U										11000	UG/KG	-
Di-n-butyl phthalate	U	650	UG/KG	U									U	2900	UG/KG	U
Di-n-octyl phthalate	U	650	UG/KG	U									U	2900	UG/KG	U
Diallate													U	2900	UG/KG	R
Dibenzo(a,h)anthracene	U	650	UG/KG	U									J	2300	UG/KG	J
Dibenzofuran	U	650	UG/KG	U									J	2700	UG/KG	J
Diethyl phthalate	J	110	UG/KG	J									U	2900	UG/KG	U
Dimethyl phthalate	U	650	UG/KG	U									U	2900	UG/KG	U
Dinoseb													U	6000	UG/KG	U
Diphenylamine													U	2900	UG/KG	UJ
Ethyl methanesulfonate													U	2900	UG/KG	U
Fluoranthene	J	320	UG/KG	J										20000	UG/KG	-
Fluorene	U	650	UG/KG	U										4600	UG/KG	-
Hexachlorobenzene	U	650	UG/KG	U									U	2900	UG/KG	U
Hexachlorobutadiene	U	650	UG/KG	U									U	2900	UG/KG	U
Hexachlorocyclopentadiene	U	650	UG/KG	U									U	2900	UG/KG	U
Hexachloroethane	U	650	UG/KG	U									U	2900	UG/KG	U

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1818				1817			
Sample ID:	063868				063876			
Sample Date:	20-SEP-91				21-SEP-91			
Top Depth (ft):	20				13			
Bottom Depth (ft):	20.5				13.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid					U	12000	UG/KG	U
Benzyl alcohol					U	2500	UG/KG	U
Butyl benzyl phthalate					U	2500	UG/KG	U
Chlorobenzilate								
Chrysene					U	2500	UG/KG	U
Di-n-butyl phthalate					U	2500	UG/KG	U
Di-n-octyl phthalate					U	2500	UG/KG	U
Diallate					U	2500	UG/KG	R
Dibenzo(a,h)anthracene					U	2500	UG/KG	U
Dibenzofuran					U	2500	UG/KG	U
Diethyl phthalate					U	2500	UG/KG	U
Dimethyl phthalate					U	2500	UG/KG	U
Dinoseb					U	5000	UG/KG	U
Diphenylamine					U	2500	UG/KG	UJ
Ethyl methanesulfonate					U	2500	UG/KG	U
Fluoranthene					U	2500	UG/KG	U
Fluorene					U	2500	UG/KG	U
Hexachlorobenzene					U	2500	UG/KG	U
Hexachlorobutadiene					U	2500	UG/KG	U
Hexachlorocyclopentadiene					U	2500	UG/KG	U
Hexachloroethane					U	2500	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1769		
Sample ID:	063512				063524				063525				063531		
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91		
Top Depth (ft):	7.5				15				15.5				20		
Bottom Depth (ft):	8				15.5				16				20.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene					U	13000	UG/KG	UJ								
Hexachloropropene					U	5300	UG/KG	R								
Indeno(1,2,3-cd)pyrene					U	2600	UG/KG	UJ								
Isophorone					U	2600	UG/KG	UJ								
Isosafrole					U	2600	UG/KG	UJ								
Methapyrilene					U	10000	UG/KG	R								
Methyl methanesulfonate					U	2600	UG/KG	UJ								
N-Nitroso-di-n-propylamine					U	2600	UG/KG	UJ								
N-Nitrosodi-n-butylamine					U	5300	UG/KG	UJ								
N-Nitrosodiethylamine					U	2600	UG/KG	UJ								
N-Nitrosodimethylamine					U	2600	UG/KG	UJ								
N-Nitrosodiphenylamine					U	2600	UG/KG	UJ								
N-Nitrosomethylethylamine					U	2600	UG/KG	UJ								
N-Nitrosomorpholine					U	2600	UG/KG	UJ								
N-Nitrosopiperidine					U	2600	UG/KG	UJ								
N-Nitrosopyrrolidine					U	2600	UG/KG	UJ								
Naphthalene					U	2600	UG/KG	UJ								
Nitrobenzene					U	2600	UG/KG	UJ								
O,O,O-Triethylphosphorothioate					U	2600	UG/KG	UJ								
Pentachlorobenzene					U	5300	UG/KG	UJ								
Pentachloroethane					U	5300	UG/KG	UJ								

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene																
Hexachloropropene																
Indeno(1,2,3-cd)pyrene	E	34000	UG/KG	J	J	37000	UG/KG	J								
Isophorone	U	890	UG/KG	U	U	2400	UG/KG	UJ								
Isosafrole																
Methapyrilene																
Methyl methanesulfonate																
N-Nitroso-di-n-propylamine	U	890	UG/KG	U	U	2400	UG/KG	UJ								
N-Nitrosodi-n-butylamine																
N-Nitrosodiethylamine																
N-Nitrosodimethylamine																
N-Nitrosodiphenylamine	J	170	UG/KG	J	U	2400	UG/KG	UJ								
N-Nitrosomethylethylamine																
N-Nitrosomorpholine																
N-Nitrosopiperidine																
N-Nitrosopyrrolidine																
Naphthalene	J	20000	UG/KG	J		23000	UG/KG	J								
Nitrobenzene	U	890	UG/KG	U	U	2400	UG/KG	UJ								
O,O,O-Triethylphosphorothioate	U	500	UG/KG	U												
Pentachlorobenzene																
Pentachloroethane																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1768					1768					1768					1768			
Sample ID:		063620					063621					063625					063630			
Sample Date:		22-AUG-91					22-AUG-91					22-AUG-91					23-AUG-91			
Top Depth (ft):		13					13.5					15.5					7			
Bottom Depth (ft):		13.5					14					16					14			
Hexachlorophene																				
Hexachloropropene																				
Indeno(1,2,3-cd)pyrene																U	1100	UG/KG	UJ	
Isophorone																U	1100	UG/KG	UJ	
Isosafrole																				
Methapyrilene																				
Methyl methanesulfonate																				
N-Nitroso-di-n-propylamine																U	1100	UG/KG	UJ	
N-Nitrosodi-n-butylamine																				
N-Nitrosodiethylamine																				
N-Nitrosodimethylamine																				
N-Nitrosodiphenylamine																U	1100	UG/KG	UJ	
N-Nitrosomethylethylamine																				
N-Nitrosomorpholine																				
N-Nitrosopiperidine																				
N-Nitrosopyrrolidine																				
Naphthalene																U	1100	UG/KG	UJ	
Nitrobenzene																U	1100	UG/KG	UJ	
O,O,O-Triethylphosphorothioate																U	100	UG/KG	U	
Pentachlorobenzene																				
Pentachloroethane																				

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818		
Sample ID:	063632				063634				063866				063867		
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91		
Top Depth (ft):	14				0				7.5				15		
Bottom Depth (ft):	17.5				17.5				8				15.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene													U	15000	UG/KG	R
Hexachloropropene													U	6000	UG/KG	U
Indeno(1,2,3-cd)pyrene	U	650	UG/KG	U										4200	UG/KG	-
Isophorone	U	650	UG/KG	U									U	2900	UG/KG	U
Isosafrole													U	2900	UG/KG	UJ
Methapyrilene													U	12000	UG/KG	R
Methyl methanesulfonate													U	2900	UG/KG	UJ
N-Nitroso-di-n-propylamine	U	650	UG/KG	U									U	2900	UG/KG	U
N-Nitrosodi-n-butylamine													U	6000	UG/KG	U
N-Nitrosodiethylamine													U	2900	UG/KG	U
N-Nitrosodimethylamine													U	2900	UG/KG	U
N-Nitrosodiphenylamine	U	650	UG/KG	U									U	2900	UG/KG	U
N-Nitrosomethylethylamine													U	2900	UG/KG	U
N-Nitrosomorpholine													U	2900	UG/KG	UJ
N-Nitrosopiperidine													U	2900	UG/KG	U
N-Nitrosopyrrolidine													U	2900	UG/KG	UJ
Naphthalene	U	650	UG/KG	U									J	2000	UG/KG	J
Nitrobenzene	U	650	UG/KG	U									U	2900	UG/KG	U
O,O,O-Triethylphosphorothioate													U	2900	UG/KG	UJ
Pentachlorobenzene													U	6000	UG/KG	UJ
Pentachloroethane													U	6000	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1818				1817		
Sample ID:	063868				063876		
Sample Date:	20-SEP-91				21-SEP-91		
Top Depth (ft):	20				13		
Bottom Depth (ft):	20.5				13.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene					U	13000	UG/KG	R
Hexachloropropene					U	5000	UG/KG	U
Indeno(1,2,3-cd)pyrene					U	2500	UG/KG	U
Isophorone					U	2500	UG/KG	U
Isosafrole					U	2500	UG/KG	UJ
Methapyrilene					U	9900	UG/KG	R
Methyl methanesulfonate					U	2500	UG/KG	UJ
N-Nitroso-di-n-propylamine					U	2500	UG/KG	U
N-Nitrosodi-n-butylamine					U	5000	UG/KG	U
N-Nitrosodiethylamine					U	2500	UG/KG	U
N-Nitrosodimethylamine					U	2500	UG/KG	U
N-Nitrosodiphenylamine					U	2500	UG/KG	U
N-Nitrosomethylethylamine					U	2500	UG/KG	U
N-Nitrosomorpholine					U	2500	UG/KG	UJ
N-Nitrosopiperidine					U	2500	UG/KG	U
N-Nitrosopyrrolidine					U	2500	UG/KG	UJ
Naphthalene					U	2500	UG/KG	U
Nitrobenzene					U	2500	UG/KG	U
O,O,O-Triethylphosphorothioate					U	2500	UG/KG	UJ
Pentachlorobenzene					U	5000	UG/KG	UJ
Pentachloroethane					U	5000	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1769		
Sample ID:	063512				063524				063525				063531		
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91		
Top Depth (ft):	7.5				15				15.5				20		
Bottom Depth (ft):	8				15.5				16				20.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene					U	5300	UG/KG	UJ								
Pentachlorophenol					U	13000	UG/KG	UJ								
Phenacetin					U	2600	UG/KG	UJ								
Phenanthrene					U	2600	UG/KG	UJ								
Phenol					U	2600	UG/KG	UJ								
Phorate																
Pronamide					U	7900	UG/KG	UJ								
Pyrene					U	2600	UG/KG	UJ								
Pyridine					U	740	UG/KG	R								
Safrole					U	2600	UG/KG	UJ								
Sulfotepp					U	2600	UG/KG	UJ								
Tributyl phosphate																
a,a-Dimethylphenethylamine					U	2600	UG/KG	UJ								
bis(2-Chloroethoxy)methane					U	2600	UG/KG	UJ								
bis(2-Chloroethyl)ether					U	2600	UG/KG	UJ								
bis(2-Chloroisopropyl) ether					U	2600	UG/KG	UJ								
bis(2-Ethylhexyl) phthalate					U	2600	UG/KG	UJ								
o-Toluidine					U	2600	UG/KG	R								
p-Dimethylaminoazobenzene					U	7900	UG/KG	UJ								
p-Phenylenediamine					U	13000	UG/KG	UJ								
1,1,1,2-Tetrachloroethane					U	37	UG/KG	R								

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene																
Pentachlorophenol	U	4300	UG/KG	U	U	11000	UG/KG	UJ								
Phenacetin																
Phenanthrene		190000	UG/KG	J		280000	UG/KG	J								
Phenol	J	170	UG/KG	J	U	2400	UG/KG	UJ								
Phorate	U	500	UG/KG	U												
Pronamide																
Pyrene		170000	UG/KG	J		230000	UG/KG	J								
Pyridine																
Safrole																
Sulfotepp	U	500	UG/KG	U												
Tributyl phosphate		6900	UG/KG	-		34000	UG/KG	J								
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane	U	890	UG/KG	U	U	2400	UG/KG	UJ								
bis(2-Chloroethyl)ether	U	890	UG/KG	U	U	2400	UG/KG	UJ								
bis(2-Chloroisopropyl) ether	U	890	UG/KG	U	U	2400	UG/KG	UJ								
bis(2-Ethylhexyl) phthalate	U	890	UG/KG	U	U	2400	UG/KG	UJ								
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1768				1768				1768				1768		
Sample ID:		063620				063621				063625				063630		
Sample Date:		22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):		13				13.5				15.5				7		
Bottom Depth (ft):		13.5				14				16				14		
Pentachloronitrobenzene																
Pentachlorophenol													J	830	UG/KG	J
Phenacetin																
Phenanthrene													J	530	UG/KG	J
Phenol													J	230	UG/KG	J
Phorate													U	100	UG/KG	U
Pronamide																
Pyrene													J	840	UG/KG	J
Pyridine	U	70.7	UG/KG	UJ												
Safrole																
Sulfotepp													U	100	UG/KG	U
Tributyl phosphate														9800	UG/KG	J
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane													U	1100	UG/KG	UJ
bis(2-Chloroethyl)ether													U	1100	UG/KG	UJ
bis(2-Chloroisopropyl) ether													U	1100	UG/KG	UJ
bis(2-Ethylhexyl) phthalate													U	1100	UG/KG	UJ
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane	U	17.7	UG/KG	UJ												

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818		
Sample ID:	063632				063634				063866				063867		
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91		
Top Depth (ft):	14				0				7.5				15		
Bottom Depth (ft):	17.5				17.5				8				15.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene													U	6000	UG/KG	UJ
Pentachlorophenol	U	3200	UG/KG	U									U	14000	UG/KG	U
Phenacetin													U	2900	UG/KG	UJ
Phenanthrene	J	190	UG/KG	J										24000	UG/KG	-
Phenol	U	650	UG/KG	U									U	2900	UG/KG	U
Phorate																
Pronamide													U	8900	UG/KG	UJ
Pyrene	J	240	UG/KG	J										17000	UG/KG	-
Pyridine																
Safrole													U	2900	UG/KG	U
Sulfotepp													U	2900	UG/KG	UJ
Tributyl phosphate		39000	UG/KG	J												
a,a-Dimethylphenethylamine													U	2900	UG/KG	R
bis(2-Chloroethoxy)methane	U	650	UG/KG	U									U	2900	UG/KG	U
bis(2-Chloroethyl)ether	U	650	UG/KG	U									U	2900	UG/KG	U
bis(2-Chloroisopropyl) ether	U	650	UG/KG	U									U	2900	UG/KG	U
bis(2-Ethylhexyl) phthalate	U	650	UG/KG	U									U	2900	UG/KG	U
o-Toluidine													U	2900	UG/KG	U
p-Dimethylaminoazobenzene													U	8900	UG/KG	R
p-Phenylenediamine													U	15000	UG/KG	UJ
1,1,1,2-Tetrachloroethane													U	42	UG/KG	U

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Pit Material Organic Results

Well/Boring:	1818				1817			
Sample ID:	063868				063876			
Sample Date:	20-SEP-91				21-SEP-91			
Top Depth (ft):	20				13			
Bottom Depth (ft):	20.5				13.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene					U	5000	UG/KG	UJ
Pentachlorophenol					J	1600	UG/KG	J
Phenacetin					U	2500	UG/KG	UJ
Phenanthrene					U	2500	UG/KG	U
Phenol					U	2500	UG/KG	U
Phorate								
Pronamide					U	7500	UG/KG	UJ
Pyrene					U	2500	UG/KG	U
Pyridine								
Safrole					U	2500	UG/KG	U
Sulfotepp					U	2500	UG/KG	U
Tributyl phosphate								
a,a-Dimethylphenethylamine					U	2500	UG/KG	R
bis(2-Chloroethoxy)methane					U	2500	UG/KG	U
bis(2-Chloroethyl)ether					U	2500	UG/KG	U
bis(2-Chloroisopropyl) ether					U	2500	UG/KG	U
bis(2-Ethylhexyl) phthalate					J	980	UG/KG	J
o-Toluidine					U	2500	UG/KG	U
p-Dimethylaminoazobenzene					U	7500	UG/KG	R
p-Phenylenediamine					U	12000	UG/KG	UJ
1,1,1,2-Tetrachloroethane					U	37	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1769				1769				1769				1769			
Sample ID:		063512				063524				063525				063531			
Sample Date:		20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91			
Top Depth (ft):		7.5				15				15.5				20			
Bottom Depth (ft):		8				15.5				16				20.5			
1,1,1-Trichloroethane	U	6	UG/KG	UJ		92	UG/KG	J						45	UG/KG	J	
1,1,2,2-Tetrachloroethane	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ	
1,1,2-Trichloroethane	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ	
1,1-Dichloroethane	U	6	UG/KG	UJ	J	7	UG/KG	J					J	5	UG/KG	J	
1,1-Dichloroethene	U	6	UG/KG	UJ		26	UG/KG	J					J	8	UG/KG	J	
1,2,3-Trichloropropane					U	37	UG/KG	R									
1,2-Dibromo-3-chloropropane					U	37	UG/KG	R									
1,2-Dibromoethane					U	37	UG/KG	R									
1,2-Dichloroethane	U	6	UG/KG	UJ	J	13	UG/KG	J					J	7	UG/KG	J	
1,2-Dichloroethene (total)																	
1,2-Dichloroethylene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ	
1,2-Dichloropropane	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ	
1,4-Dioxane					J	240	UG/KG	R									
2-Butanone	BJ	13	UG/KG	UJ	J	37	UG/KG	UJ					U	38	UG/KG	UJ	
2-Chloro-1,3-butadiene					U	37	UG/KG	R									
2-Hexanone	U	13	UG/KG	UJ	U	37	UG/KG	UJ					U	38	UG/KG	UJ	
3-Chloropropene					U	37	UG/KG	R									
4-Methyl-2-pentanone	U	13	UG/KG	UJ	U	37	UG/KG	UJ					U	38	UG/KG	UJ	
Acetone	B	13	UG/KG	UJ	BJ	14	UG/KG	UJ					BJ	37	UG/KG	UJ	
Acetonitrile					U	74	UG/KG	R									
Acrolein					U	74	UG/KG	R									

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Pit Material Organic Results

Well/Boring:	1769			1769			1769			1768		
Sample ID:	063536			063538			063540			063609		
Sample Date:	21-AUG-91			21-AUG-91			21-AUG-91			22-AUG-91		
Top Depth (ft):	8			16			0			6		
Bottom Depth (ft):	16			22			22			6.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane											140	UG/KG	-
1,1,2,2-Tetrachloroethane										U	18	UG/KG	U
1,1,2-Trichloroethane										U	18	UG/KG	U
1,1-Dichloroethane											23	UG/KG	-
1,1-Dichloroethene											120	UG/KG	-
1,2,3-Trichloropropane													
1,2-Dibromo-3-chloropropane													
1,2-Dibromoethane													
1,2-Dichloroethane										J	10	UG/KG	J
1,2-Dichloroethene (total)													
1,2-Dichloroethylene										U	18	UG/KG	U
1,2-Dichloropropane										U	18	UG/KG	U
1,4-Dioxane													
2-Butanone										BJ	36	UG/KG	UJ
2-Chloro-1,3-butadiene													
2-Hexanone										U	36	UG/KG	UJ
3-Chloropropene													
4-Methyl-2-pentanone										U	36	UG/KG	UJ
Acetone										BJ	23	UG/KG	J
Acetonitrile													
Acrolein													

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1768				1768				1768				1768		
Sample ID:		063620				063621				063625				063630		
Sample Date:		22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):		13				13.5				15.5				7		
Bottom Depth (ft):		13.5				14				16				14		
1,1,1-Trichloroethane		150	UG/KG	-						110	UG/KG	-				
1,1,2,2-Tetrachloroethane	U	17	UG/KG	U					U	19	UG/KG	U				
1,1,2-Trichloroethane	U	17	UG/KG	U					U	19	UG/KG	U				
1,1-Dichloroethane	J	10	UG/KG	J					J	7	UG/KG	J				
1,1-Dichloroethene	J	11	UG/KG	J					J	6	UG/KG	J				
1,2,3-Trichloropropane	U	17.7	UG/KG	U												
1,2-Dibromo-3-chloropropane	U	35.3	UG/KG	UJ												
1,2-Dibromoethane	U	17.7	UG/KG	U												
1,2-Dichloroethane		18	UG/KG	-					J	8	UG/KG	J				
1,2-Dichloroethene (total)																
1,2-Dichloroethylene	U	17	UG/KG	U					U	19	UG/KG	U				
1,2-Dichloropropane	U	17	UG/KG	U					U	19	UG/KG	U				
1,4-Dioxane	BJ	654	UG/KG	J												
2-Butanone	U	34	UG/KG	UJ					BJ	38	UG/KG	UJ				
2-Chloro-1,3-butadiene	U	17.7	UG/KG	U												
2-Hexanone	U	34	UG/KG	UJ					U	38	UG/KG	UJ				
3-Chloropropene	U	17.7	UG/KG	UJ												
4-Methyl-2-pentanone	U	34	UG/KG	UJ					U	38	UG/KG	UJ				
Acetone	B	71	UG/KG	-					BJ	38	UG/KG	U				
Acetonitrile	U	3530	UG/KG	R												
Acrolein	U	35.3	UG/KG	R												

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Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818		
Sample ID:	063632				063634				063866				063867		
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91		
Top Depth (ft):	14				0				7.5				15		
Bottom Depth (ft):	17.5				17.5				8				15.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane									U	6	UG/KG	U		42	UG/KG	-
1,1,2,2-Tetrachloroethane									U	6	UG/KG	U	U	21	UG/KG	U
1,1,2-Trichloroethane									U	6	UG/KG	U	U	21	UG/KG	U
1,1-Dichloroethane									U	6	UG/KG	U	J	8	UG/KG	J
1,1-Dichloroethene									U	6	UG/KG	U	U	8	UG/KG	U
1,2,3-Trichloropropane													U	42	UG/KG	U
1,2-Dibromo-3-chloropropane													U	42	UG/KG	U
1,2-Dibromoethane													U	42	UG/KG	U
1,2-Dichloroethane									U	6	UG/KG	UJ	J	7	UG/KG	J
1,2-Dichloroethene (total)																
1,2-Dichloroethylene									U	6	UG/KG	U	U	21	UG/KG	U
1,2-Dichloropropane									U	6	UG/KG	U	U	21	UG/KG	U
1,4-Dioxane													J	380	UG/KG	J
2-Butanone									U	12	UG/KG	R	BJ	7	UG/KG	R
2-Chloro-1,3-butadiene													U	42	UG/KG	U
2-Hexanone									U	12	UG/KG	R	U	42	UG/KG	UJ
3-Chloropropene													U	42	UG/KG	U
4-Methyl-2-pentanone									U	12	UG/KG	UJ	U	42	UG/KG	U
Acetone									B	16	UG/KG	R	BJ	25	UG/KG	R
Acetonitrile													U	83	UG/KG	U
Acrolein													U	83	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1818				1817		
Sample ID:		063868				063876		
Sample Date:		20-SEP-91				21-SEP-91		
Top Depth (ft):		20				13		
Bottom Depth (ft):		20.5				13.5		
1,1,1-Trichloroethane		17	UG/KG	-		130	UG/KG	-
1,1,2,2-Tetrachloroethane	U	12	UG/KG	U	U	19	UG/KG	U
1,1,2-Trichloroethane	U	12	UG/KG	U	U	19	UG/KG	U
1,1-Dichloroethane	U	12	UG/KG	U	J	6	UG/KG	J
1,1-Dichloroethene	U	12	UG/KG	U	J	7	UG/KG	J
1,2,3-Trichloropropane					U	37	UG/KG	U
1,2-Dibromo-3-chloropropane					U	37	UG/KG	U
1,2-Dibromoethane					U	37	UG/KG	U
1,2-Dichloroethane	U	12	UG/KG	UJ		20	UG/KG	-
1,2-Dichloroethene (total)	U	12	UG/KG	U				
1,2-Dichloroethylene					U	19	UG/KG	U
1,2-Dichloropropane	U	12	UG/KG	U	U	19	UG/KG	U
1,4-Dioxane					U	740	UG/KG	UJ
2-Butanone	BJ	14	UG/KG	R	U	37	UG/KG	R
2-Chloro-1,3-butadiene					U	37	UG/KG	U
2-Hexanone	U	23	UG/KG	R	U	37	UG/KG	UJ
3-Chloropropene					U	37	UG/KG	U
4-Methyl-2-pentanone	U	23	UG/KG	UJ	U	37	UG/KG	U
Acetone	B	55	UG/KG	R	BJ	19	UG/KG	R
Acetonitrile					U	74	UG/KG	U
Acrolein					U	74	UG/KG	U

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1769			
Sample ID:	063512				063524				063525				063531			
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91			
Top Depth (ft):	7.5				15				15.5				20			
Bottom Depth (ft):	8				15.5				16				20.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile					U	74	UG/KG	R								
Benzene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Bromodichloromethane	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Bromoform	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Bromomethane	U	13	UG/KG	UJ	U	37	UG/KG	UJ					U	38	UG/KG	UJ
Carbon Tetrachloride	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Carbon disulfide	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Chlorobenzene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Chloroethane	U	13	UG/KG	UJ	U	37	UG/KG	UJ					U	38	UG/KG	UJ
Chloroform	U	6	UG/KG	UJ		84	UG/KG	J						42	UG/KG	UJ
Chloromethane	U	13	UG/KG	UJ	U	37	UG/KG	UJ					U	38	UG/KG	UJ
Dibromochloromethane	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Dibromomethane					U	37	UG/KG	R								
Dichlorodifluoromethane					U	740	UG/KG	R								
Ethyl cyanide					U	37	UG/KG	R								
Ethyl methacrylate					U	37	UG/KG	R								
Ethylbenzene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Iodomethane					U	37	UG/KG	R								
Isobutyl alcohol					U	740	UG/KG	R								
Methacrylonitrile					U	37	UG/KG	R								
Methyl methacrylate					U	37	UG/KG	R								

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768			
Sample ID:	063536				063538				063540				063609			
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91			
Top Depth (ft):	8				16				0				6			
Bottom Depth (ft):	16				22				22				6.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile																
Benzene													U	18	UG/KG	U
Bromodichloromethane													U	18	UG/KG	U
Bromoform													U	18	UG/KG	U
Bromomethane													U	36	UG/KG	U
Carbon Tetrachloride													U	18	UG/KG	U
Carbon disulfide													U	18	UG/KG	U
Chlorobenzene													U	18	UG/KG	U
Chloroethane													U	36	UG/KG	U
Chloroform													J	15	UG/KG	J
Chloromethane													U	36	UG/KG	UJ
Dibromochloromethane													U	18	UG/KG	U
Dibromomethane																
Dichlorodifluoromethane																
Ethyl cyanide																
Ethyl methacrylate																
Ethylbenzene													U	18	UG/KG	U
Iodomethane																
Isobutyl alcohol																
Methacrylonitrile																
Methyl methacrylate																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768		
Sample ID:	063620				063621				063625				063630		
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91		
Top Depth (ft):	13				13.5				15.5				7		
Bottom Depth (ft):	13.5				14				16				14		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile	U	35.3	UG/KG	UJ												
Benzene	U	17	UG/KG	U					U	19	UG/KG	U				
Bromodichloromethane	U	17	UG/KG	U					U	19	UG/KG	U				
Bromoform	U	17	UG/KG	U					U	19	UG/KG	U				
Bromomethane	U	34	UG/KG	U					U	38	UG/KG	U				
Carbon Tetrachloride	U	17	UG/KG	U					U	19	UG/KG	U				
Carbon disulfide	U	17	UG/KG	U					U	19	UG/KG	U				
Chlorobenzene	U	17	UG/KG	U					U	19	UG/KG	U				
Chloroethane	U	34	UG/KG	U					U	38	UG/KG	U				
Chloroform		22	UG/KG	-					J	14	UG/KG	J				
Chloromethane	U	34	UG/KG	UJ					U	38	UG/KG	UJ				
Dibromochloromethane	U	17	UG/KG	U					U	19	UG/KG	U				
Dibromomethane	U	35.3	UG/KG	U												
Dichlorodifluoromethane	U	707	UG/KG	UJ												
Ethyl cyanide	U	353	UG/KG	UJ												
Ethyl methacrylate	U	35.3	UG/KG	U												
Ethylbenzene	U	17	UG/KG	U					U	19	UG/KG	U				
Iodomethane	U	17.7	UG/KG	U												
Isobutyl alcohol	U	70.7	UG/KG	R												
Methacrylonitrile	U	35.3	UG/KG	R												
Methyl methacrylate	U	35.3	UG/KG	U												

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818			
Sample ID:	063632				063634				063866				063867			
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91			
Top Depth (ft):	14				0				7.5				15			
Bottom Depth (ft):	17.5				17.5				8				15.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile													U	83	UG/KG	UJ
Benzene									U	6	UG/KG	U	U	21	UG/KG	U
Bromodichloromethane									U	6	UG/KG	U	U	21	UG/KG	U
Bromoform									U	6	UG/KG	U	U	21	UG/KG	U
Bromomethane									U	12	UG/KG	UJ	U	42	UG/KG	U
Carbon Tetrachloride									U	6	UG/KG	U	U	21	UG/KG	U
Carbon disulfide									U	6	UG/KG	U	U	21	UG/KG	U
Chlorobenzene									U	6	UG/KG	U	U	21	UG/KG	U
Chloroethane									U	12	UG/KG	U	U	42	UG/KG	U
Chloroform									U	6	UG/KG	U	J	11	UG/KG	J
Chloromethane									U	12	UG/KG	U	U	42	UG/KG	U
Dibromochloromethane									U	6	UG/KG	U	U	21	UG/KG	U
Dibromomethane													U	42	UG/KG	U
Dichlorodifluoromethane													U	830	UG/KG	UJ
Ethyl cyanide													U	42	UG/KG	U
Ethyl methacrylate													U	42	UG/KG	U
Ethylbenzene									J	5	UG/KG	J	U	21	UG/KG	U
Iodomethane													U	42	UG/KG	U
Isobutyl alcohol													U	830	UG/KG	UJ
Methacrylonitrile													U	42	UG/KG	U
Methyl methacrylate													U	42	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1818				1817		
Sample ID:		063868				063876		
Sample Date:		20-SEP-91				21-SEP-91		
Top Depth (ft):		20				13		
Bottom Depth (ft):		20.5				13.5		
Acrylonitrile					U	74	UG/KG	UJ
Benzene	J	4	UG/KG	J	U	19	UG/KG	U
Bromodichloromethane	U	12	UG/KG	U	U	19	UG/KG	U
Bromoform	U	12	UG/KG	U	U	19	UG/KG	U
Bromomethane	U	23	UG/KG	UJ	U	37	UG/KG	U
Carbon Tetrachloride	U	12	UG/KG	U	U	19	UG/KG	U
Carbon disulfide	U	12	UG/KG	U	U	19	UG/KG	U
Chlorobenzene	U	12	UG/KG	U	U	19	UG/KG	U
Chloroethane	U	23	UG/KG	U	U	37	UG/KG	U
Chloroform	J	9	UG/KG	J		34	UG/KG	-
Chloromethane	U	23	UG/KG	U	U	37	UG/KG	U
Dibromochloromethane	U	12	UG/KG	U	U	19	UG/KG	U
Dibromomethane					U	37	UG/KG	U
Dichlorodifluoromethane					U	740	UG/KG	UJ
Ethyl cyanide					U	37	UG/KG	U
Ethyl methacrylate					U	37	UG/KG	U
Ethylbenzene		26	UG/KG	-	U	19	UG/KG	U
Iodomethane					U	37	UG/KG	U
Isobutyl alcohol					U	740	UG/KG	U
Methacrylonitrile					U	37	UG/KG	UJ
Methyl methacrylate					U	37	UG/KG	U

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1769		
Sample ID:	063512				063524				063525				063531		
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91		
Top Depth (ft):	7.5				15				15.5				20		
Bottom Depth (ft):	8				15.5				16				20.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride	BJ	6	UG/KG	UJ	BJ	13	UG/KG	UJ					B	75	UG/KG	UJ
Styrene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Tetrachlorethene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Toluene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					BJ	19	UG/KG	UJ
Total xylenes	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Trichloroethene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
Trichlorofluoromethane					U	37	UG/KG	R								
Vinyl Acetate	U	13	UG/KG	UJ	U	37	UG/KG	UJ					U	38	UG/KG	UJ
Vinyl chloride	D	1200	UG/KG	-	E	1900	UG/KG	J					E	780	UG/KG	J
cis-1,3-Dichloropropene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
trans-1,3-Dichloropropene	U	6	UG/KG	UJ	U	19	UG/KG	UJ					U	19	UG/KG	UJ
trans-1,4-Dichloro-2-butene					U	37	UG/KG	R								
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride													B	60	UG/KG	U
Styrene													U	18	UG/KG	U
Tetrachlorethene														45	UG/KG	-
Toluene													U	18	UG/KG	U
Total xylenes													U	18	UG/KG	U
Trichloroethene													J	7	UG/KG	J
Trichlorofluoromethane																
Vinyl Acetate													U	36	UG/KG	U
Vinyl chloride														120	UG/KG	J
cis-1,3-Dichloropropene													U	18	UG/KG	U
trans-1,3-Dichloropropene													U	18	UG/KG	U
trans-1,4-Dichloro-2-butene																
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD									U	.1	UG/L	UJ	Y			
4,4-DDE									U	.1	UG/L	UJ	Y			
4,4-DDT									U	.1	UG/L	UJ	Y			
Aldrin									U	.05	UG/L	UJ	Y			
Aroclor-1016									U	.5	UG/L	UJ	Y			
Aroclor-1221									U	.5	UG/L	UJ	Y			
Aroclor-1232									U	.5	UG/L	UJ	Y			

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768			
Sample ID:	063620				063621				063625				063630			
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91			
Top Depth (ft):	13				13.5				15.5				7			
Bottom Depth (ft):	13.5				14				16				14			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride	B	29	UG/KG	U					B	66	UG/KG	-				
Styrene	U	17	UG/KG	U					U	19	UG/KG	U				
Tetrachlorethene	U	17	UG/KG	U					U	19	UG/KG	U				
Toluene	U	17	UG/KG	U					U	19	UG/KG	U				
Total xylenes	U	17	UG/KG	U					U	19	UG/KG	U				
Trichloroethene	U	17	UG/KG	U					U	19	UG/KG	U				
Trichlorofluoromethane	U	17.7	UG/KG	UJ												
Vinyl Acetate	U	34	UG/KG	U					U	38	UG/KG	U				
Vinyl chloride	U	34	UG/KG	UJ					U	38	UG/KG	UJ				
cis-1,3-Dichloropropene	U	17	UG/KG	U					U	19	UG/KG	U				
trans-1,3-Dichloropropene	U	17	UG/KG	U					U	19	UG/KG	U				
trans-1,4-Dichloro-2-butene	U	353	UG/KG	U												
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818			
Sample ID:	063632				063634				063866				063867			
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91			
Top Depth (ft):	14				0				7.5				15			
Bottom Depth (ft):	17.5				17.5				8				15.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride									B	12	UG/KG	UJ	B	63	UG/KG	R
Styrene									U	6	UG/KG	U	U	21	UG/KG	U
Tetrachlorethene									U	6	UG/KG	U	U	21	UG/KG	U
Toluene									BJ	6	UG/KG	UJ	BJ	21	UG/KG	UJ
Total xylenes										15	UG/KG	-	U	21	UG/KG	U
Trichloroethene									U	6	UG/KG	U	U	21	UG/KG	U
Trichlorofluoromethane													U	42	UG/KG	U
Vinyl Acetate									U	12	UG/KG	UJ	U	42	UG/KG	U
Vinyl chloride									J	5	UG/KG	J	U	42	UG/KG	U
cis-1,3-Dichloropropene									U	6	UG/KG	U	U	21	UG/KG	U
trans-1,3-Dichloropropene									U	6	UG/KG	U	U	21	UG/KG	U
trans-1,4-Dichloro-2-butene													U	42	UG/KG	UJ
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD					U	.1	UG/L	UJ	Y							
4,4-DDE					U	.1	UG/L	UJ	Y							
4,4-DDT					U	.1	UG/L	UJ	Y							
Aldrin					U	.05	UG/L	UJ	Y							
Aroclor-1016					U	.5	UG/L	UJ	Y							
Aroclor-1221					U	.5	UG/L	UJ	Y							
Aroclor-1232					U	.5	UG/L	UJ	Y							

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1818				1817			
Sample ID:	063868				063876			
Sample Date:	20-SEP-91				21-SEP-91			
Top Depth (ft):	20				13			
Bottom Depth (ft):	20.5				13.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride	B	23	UG/KG	UJ	B	53	UG/KG	R
Styrene	U	12	UG/KG	U	U	19	UG/KG	U
Tetrachlorethene	U	12	UG/KG	U	U	19	UG/KG	U
Toluene	B	23	UG/KG	U	BJ	19	UG/KG	UJ
Total xylenes		34	UG/KG	U	U	19	UG/KG	U
Trichloroethene	U	12	UG/KG	U	U	19	UG/KG	U
Trichlorofluoromethane					U	37	UG/KG	U
Vinyl Acetate	U	23	UG/KG	UJ	U	37	UG/KG	U
Vinyl chloride	J	13	UG/KG	J	U	37	UG/KG	U
cis-1,3-Dichloropropene	U	12	UG/KG	U	U	19	UG/KG	U
trans-1,3-Dichloropropene	U	12	UG/KG	U	U	19	UG/KG	U
trans-1,4-Dichloro-2-butene					U	37	UG/KG	UJ
2,4,5-TP (Silvex)								
2,4-D								
4,4-DDD								
4,4-DDE								
4,4-DDT								
Aldrin								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768			
Sample ID:	063536				063538				063540				063609			
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91			
Top Depth (ft):	8				16				0				6			
Bottom Depth (ft):	16				22				22				6.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Aroclor-1242									U	.5	UG/L	UJ Y				
Aroclor-1248									U	.5	UG/L	UJ Y				
Aroclor-1254									U	1	UG/L	UJ Y				
Aroclor-1260									U	1	UG/L	UJ Y				
Dieldrin									U	.1	UG/L	UJ Y				
Endosulfan II									U	.1	UG/L	UJ Y				
Endosulfan sulfate									U	.1	UG/L	UJ Y				
Endosulfan-I									U	.05	UG/L	UJ Y				
Endrin									U	.1	UG/L	UJ Y				
Endrin ketone									U	.1	UG/L	UJ Y				
Heptachlor									U	.05	UG/L	UJ Y				
Heptachlor epoxide									U	.05	UG/L	UJ Y				
Methoxychlor									U	.5	UG/L	UJ Y				
Toxaphene									U	1	UG/L	UJ Y				
alpha-BHC									U	.05	UG/L	UJ Y				
alpha-Chlordane									U	.5	UG/L	UJ Y				
beta-BHC									U	.05	UG/L	UJ Y				
delta-BHC									U	.05	UG/L	UJ Y				
gamma-BHC (Lindane)									U	.05	UG/L	UJ Y				
gamma-Chlordane									U	.5	UG/L	UJ Y				
1,2,4-Trichlorobenzene									U	20	UG/L	R Y				

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818			
Sample ID:	063632				063634				063866				063867			
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91			
Top Depth (ft):	14				0				7.5				15			
Bottom Depth (ft):	17.5				17.5				8				15.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Aroclor-1242					U	.5	UG/L	UJ	Y							
Aroclor-1248					U	.5	UG/L	UJ	Y							
Aroclor-1254					U	1	UG/L	UJ	Y							
Aroclor-1260					U	1	UG/L	UJ	Y							
Dieldrin					U	.1	UG/L	UJ	Y							
Endosulfan II					U	.1	UG/L	UJ	Y							
Endosulfan sulfate					U	.1	UG/L	UJ	Y							
Endosulfan-I					U	.05	UG/L	UJ	Y							
Endrin					U	.1	UG/L	UJ	Y							
Endrin ketone					U	.1	UG/L	UJ	Y							
Heptachlor					U	.05	UG/L	UJ	Y							
Heptachlor epoxide					U	.05	UG/L	UJ	Y							
Methoxychlor					U	.5	UG/L	UJ	Y							
Toxaphene					U	1	UG/L	UJ	Y							
alpha-BHC					U	.05	UG/L	UJ	Y							
alpha-Chlordane					U	.5	UG/L	UJ	Y							
beta-BHC					U	.05	UG/L	UJ	Y							
delta-BHC					U	.05	UG/L	UJ	Y							
gamma-BHC (Lindane)					U	.05	UG/L	UJ	Y							
gamma-Chlordane					U	.5	UG/L	UJ	Y							
1,2,4-Trichlorobenzene					U	20	UG/L	UJ	Y							

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768			
Sample ID:	063536				063538				063540				063609			
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91			
Top Depth (ft):	8				16				0				6			
Bottom Depth (ft):	16				22				22				6.5			
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
1,2-Dichlorobenzene							U	20	UG/L	R Y						
1,3-Dichlorobenzene							U	20	UG/L	R Y						
1,4-Dichlorobenzene							U	20	UG/L	R Y						
2,4,5-Trichlorophenol							U	100	UG/L	R Y						
2,4,6-Trichlorophenol							U	20	UG/L	R Y						
2,4-Dichlorophenol							U	20	UG/L	R Y						
2,4-Dimethylphenol							U	20	UG/L	R Y						
2,4-Dinitrophenol							U	100	UG/L	UJ Y						
2,4-Dinitrotoluene							U	20	UG/L	UJ Y						
2,6-Dinitrotoluene							U	20	UG/L	UJ Y						
2-Chloronaphthalene							U	20	UG/L	R Y						
2-Chlorophenol							U	20	UG/L	R Y						
2-Methylnaphthalene								32	UG/L	R Y						
2-Methylphenol							U	20	UG/L	R Y						
2-Nitroaniline							U	100	UG/L	R Y						
2-Nitrophenol							U	20	UG/L	R Y						
3,3'-Dichlorobenzidine							U	40	UG/L	R Y						
3-Methylphenol																
3-Nitroaniline							U	100	UG/L	R Y						
4,6-Dinitro-2-methylphenol							U	100	UG/L	R Y						
4-Bromophenyl phenyl ether							U	20	UG/L	R Y						

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818			
Sample ID:	063632				063634				063866				063867			
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91			
Top Depth (ft):	14				0				7.5				15			
Bottom Depth (ft):	17.5				17.5				8				15.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-Dichlorobenzene					U	20	UG/L	UJ	Y							
1,3-Dichlorobenzene					U	20	UG/L	UJ	Y							
1,4-Dichlorobenzene					U	20	UG/L	UJ	Y							
2,4,5-Trichlorophenol					U	100	UG/L	R	Y							
2,4,6-Trichlorophenol					U	20	UG/L	R	Y							
2,4-Dichlorophenol					U	20	UG/L	R	Y							
2,4-Dimethylphenol					U	20	UG/L	R	Y							
2,4-Dinitrophenol					U	100	UG/L	R	Y							
2,4-Dinitrotoluene					U	20	UG/L	UJ	Y							
2,6-Dinitrotoluene					U	20	UG/L	UJ	Y							
2-Chloronaphthalene					U	20	UG/L	UJ	Y							
2-Chlorophenol					U	20	UG/L	R	Y							
2-Methylnaphthalene					U	20	UG/L	UJ	Y							
2-Methylphenol					U	20	UG/L	R	Y							
2-Nitroaniline					U	100	UG/L	UJ	Y							
2-Nitrophenol					U	20	UG/L	R	Y							
3,3'-Dichlorobenzidine					U	40	UG/L	UJ	Y							
3-Methylphenol																
3-Nitroaniline					U	100	UG/L	UJ	Y							
4,6-Dinitro-2-methylphenol					U	100	UG/L	R	Y							
4-Bromophenyl phenyl ether					U	20	UG/L	UJ	Y							

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769					1769					1769					1768				
Sample ID:	063536					063538					063540					063609				
Sample Date:	21-AUG-91					21-AUG-91					21-AUG-91					22-AUG-91				
Top Depth (ft):	8					16					0					6				
Bottom Depth (ft):	16					22					22					6.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
4-Chloro-3-methylphenol											U	20	UG/L	UJ	Y					
4-Chloroaniline											U	20	UG/L	R	Y					
4-Chlorophenylphenyl ether											U	20	UG/L	R	Y					
4-Methylphenol											U	20	UG/L	R	Y					
4-Nitroaniline											U	100	UG/L	R	Y					
4-Nitrophenol											U	100	UG/L	UJ	Y					
Acenaphthene												55	UG/L	J	Y					
Acenaphthylene											U	20	UG/L	R	Y					
Anthracene											J	12	UG/L	J	Y					
Benzo(a)anthracene											U	20	UG/L	R	Y					
Benzo(a)pyrene											U	20	UG/L	R	Y					
Benzo(b)fluoranthene											U	20	UG/L	R	Y					
Benzo(g,h,i)perylene											U	20	UG/L	R	Y					
Benzo(k)fluoranthene											U	20	UG/L	R	Y					
Benzoic acid											U	100	UG/L	R	Y					
Benzyl alcohol											U	20	UG/L	R	Y					
Butyl benzyl phthalate											U	20	UG/L	R	Y					
Chrysene											U	20	UG/L	R	Y					
Di-n-butyl phthalate											U	20	UG/L	R	Y					
Di-n-octyl phthalate											U	20	UG/L	R	Y					
Dibenzo(a,h)anthracene											U	20	UG/L	R	Y					

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1768					1768					1818					1818			
Sample ID:		063632					063634					063866					063867			
Sample Date:		23-AUG-91					23-AUG-91					20-SEP-91					20-SEP-91			
Top Depth (ft):		14					0					7.5					15			
Bottom Depth (ft):		17.5					17.5					8					15.5			
4-Chloro-3-methylphenol						U	20	UG/L	R	Y										
4-Chloroaniline						U	20	UG/L	UJ	Y										
4-Chlorophenylphenyl ether						U	20	UG/L	UJ	Y										
4-Methylphenol						U	20	UG/L	R	Y										
4-Nitroaniline						U	100	UG/L	UJ	Y										
4-Nitrophenol						U	100	UG/L	R	Y										
Acenaphthene						U	20	UG/L	UJ	Y										
Acenaphthylene						U	20	UG/L	UJ	Y										
Anthracene						U	20	UG/L	UJ	Y										
Benzo(a)anthracene						U	20	UG/L	UJ	Y										
Benzo(a)pyrene						U	20	UG/L	UJ	Y										
Benzo(b)fluoranthene						U	20	UG/L	UJ	Y										
Benzo(g,h,i)perylene						U	20	UG/L	UJ	Y										
Benzo(k)fluoranthene						U	20	UG/L	UJ	Y										
Benzoic acid						U	100	UG/L	R	Y										
Benzyl alcohol						U	20	UG/L	UJ	Y										
Butyl benzyl phthalate						U	20	UG/L	UJ	Y										
Chrysene						U	20	UG/L	UJ	Y										
Di-n-butyl phthalate						U	20	UG/L	UJ	Y										
Di-n-octyl phthalate						U	20	UG/L	UJ	Y										
Dibenzo(a,h)anthracene						U	20	UG/L	UJ	Y										

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768		
Sample ID:	063536				063538				063540				063609		
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91		
Top Depth (ft):	8				16				0				6		
Bottom Depth (ft):	16				22				22				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Dibenzofuran										30	UG/L	J Y				
Diethyl phthalate									U	20	UG/L	UJ Y				
Dimethyl phthalate									U	20	UG/L	R Y				
Fluoranthene									J	11	UG/L	J Y				
Fluorene										38	UG/L	J Y				
Hexachlorobenzene									U	20	UG/L	R Y				
Hexachlorobutadiene									U	20	UG/L	R Y				
Hexachlorocyclopentadiene									U	20	UG/L	R Y				
Hexachloroethane									U	20	UG/L	UJ Y				
Indeno(1,2,3-cd)pyrene									U	20	UG/L	R Y				
Isophorone									U	20	UG/L	R Y				
N-Nitroso-di-n-propylamine									U	20	UG/L	R Y				
N-Nitrosodiphenylamine									U	20	UG/L	R Y				
Naphthalene										130	UG/L	J Y				
Nitrobenzene									U	20	UG/L	R Y				
Pentachlorophenol									U	100	UG/L	R Y				
Phenanthrene										84	UG/L	J Y				
Phenol									U	20	UG/L	R Y				
Pyrene									J	7	UG/L	J Y				
Pyridine																
Tributyl phosphate										300	UG/L	J Y				

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1991 RI/FS - Pit 2
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1768					1768					1818					1818			
Sample ID:		063632					063634					063866					063867			
Sample Date:		23-AUG-91					23-AUG-91					20-SEP-91					20-SEP-91			
Top Depth (ft):		14					0					7.5					15			
Bottom Depth (ft):		17.5					17.5					8					15.5			
Dibenzofuran						U	20	UG/L	UJ	Y										
Diethyl phthalate						U	20	UG/L	UJ	Y										
Dimethyl phthalate						U	20	UG/L	UJ	Y										
Fluoranthene						U	20	UG/L	UJ	Y										
Fluorene						U	20	UG/L	UJ	Y										
Hexachlorobenzene						U	20	UG/L	UJ	Y										
Hexachlorobutadiene						U	20	UG/L	UJ	Y										
Hexachlorocyclopentadiene						U	20	UG/L	UJ	Y										
Hexachloroethane						U	20	UG/L	UJ	Y										
Indeno(1,2,3-cd)pyrene						U	20	UG/L	UJ	Y										
Isophorone						U	20	UG/L	UJ	Y										
N-Nitroso-di-n-propylamine						U	20	UG/L	UJ	Y										
N-Nitrosodiphenylamine						U	20	UG/L	UJ	Y										
Naphthalene						U	20	UG/L	UJ	Y										
Nitrobenzene						U	20	UG/L	UJ	Y										
Pentachlorophenol						U	100	UG/L	R	Y										
Phenanthrene						U	20	UG/L	UJ	Y										
Phenol						U	20	UG/L	R	Y										
Pyrene						U	20	UG/L	UJ	Y										
Pyridine																				
Tributyl phosphate																				

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1769			
Sample ID:	063512				063524				063525				063531			
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91			
Top Depth (ft):	7.5				15				15.5				20			
Bottom Depth (ft):	8				15.5				16				20.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl) phthalate																
1,1,1-Trichloroethane									J	1	UG/L	J Y				
1,1,2,2-Tetrachloroethane									U	5	UG/L	UJ Y				
1,1,2-Trichloroethane									U	5	UG/L	UJ Y				
1,1-Dichloroethane									U	5	UG/L	UJ Y				
1,1-Dichloroethene									U	5	UG/L	UJ Y				
1,2-Dichloroethane									U	5	UG/L	UJ Y				
1,2-Dichloroethylene									U	5	UG/L	UJ Y				
1,2-Dichloropropane									U	5	UG/L	UJ Y				
2-Butanone									J	10	UG/L	U Y				
2-Hexanone									U	10	UG/L	UJ Y				
4-Methyl-2-pentanone									U	10	UG/L	UJ Y				
Acetone									B	91	UG/L	UJ Y				
Benzene									U	5	UG/L	UJ Y				
Bromodichloromethane									U	5	UG/L	UJ Y				
Bromoform									U	5	UG/L	UJ Y				
Bromomethane									U	10	UG/L	UJ Y				
Carbon Tetrachloride									U	5	UG/L	UJ Y				

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U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1768			
Sample ID:	063536				063538				063540				063609			
Sample Date:	21-AUG-91				21-AUG-91				21-AUG-91				22-AUG-91			
Top Depth (ft):	8				16				0				6			
Bottom Depth (ft):	16				22				22				6.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane									U	20	UG/L	R Y				
bis(2-Chloroethyl)ether									U	20	UG/L	R Y				
bis(2-Chloroisopropyl) ether									U	20	UG/L	R Y				
bis(2-Ethylhexyl) phthalate									U	20	UG/L	R Y				
1,1,1-Trichloroethane																
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane																
1,1-Dichloroethene																
1,2-Dichloroethane																
1,2-Dichloroethylene																
1,2-Dichloropropane																
2-Butanone																
2-Hexanone																
4-Methyl-2-pentanone																
Acetone																
Benzene																
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon Tetrachloride																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768			
Sample ID:	063620				063621				063625				063630			
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91			
Top Depth (ft):	13				13.5				15.5				7			
Bottom Depth (ft):	13.5				14				16				14			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl) phthalate																
1,1,1-Trichloroethane					J	2	UG/L	J	Y							
1,1,2,2-Tetrachloroethane					U	5	UG/L	U	Y							
1,1,2-Trichloroethane					U	5	UG/L	U	Y							
1,1-Dichloroethane					U	5	UG/L	U	Y							
1,1-Dichloroethene					U	5	UG/L	U	Y							
1,2-Dichloroethane					U	5	UG/L	UJ	Y							
1,2-Dichloroethylene					U	5	UG/L	U	Y							
1,2-Dichloropropane					U	5	UG/L	U	Y							
2-Butanone					J	4	UG/L	R	Y							
2-Hexanone					J	2	UG/L	J	Y							
4-Methyl-2-pentanone					J	10	UG/L	U	Y							
Acetone					B	110	UG/L	U	Y							
Benzene					U	5	UG/L	U	Y							
Bromodichloromethane					U	5	UG/L	U	Y							
Bromoform					U	5	UG/L	UJ	Y							
Bromomethane					U	10	UG/L	U	Y							
Carbon Tetrachloride					U	5	UG/L	UJ	Y							

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1818				1818			
Sample ID:	063632				063634				063866				063867			
Sample Date:	23-AUG-91				23-AUG-91				20-SEP-91				20-SEP-91			
Top Depth (ft):	14				0				7.5				15			
Bottom Depth (ft):	17.5				17.5				8				15.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane					U	20	UG/L	UJ Y								
bis(2-Chloroethyl)ether					U	20	UG/L	UJ Y								
bis(2-Chloroisopropyl) ether					U	20	UG/L	UJ Y								
bis(2-Ethylhexyl) phthalate					U	20	UG/L	UJ Y								
1,1,1-Trichloroethane																
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane																
1,1-Dichloroethene																
1,2-Dichloroethane																
1,2-Dichloroethylene																
1,2-Dichloropropane																
2-Butanone																
2-Hexanone																
4-Methyl-2-pentanone																
Acetone																
Benzene																
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon Tetrachloride																

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1769				1769				1769				1769		
Sample ID:	063512				063524				063525				063531		
Sample Date:	20-AUG-91				21-AUG-91				21-AUG-91				21-AUG-91		
Top Depth (ft):	7.5				15				15.5				20		
Bottom Depth (ft):	8				15.5				16				20.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Carbon disulfide									U	5	UG/L	UJ Y				
Chlorobenzene									U	5	UG/L	UJ Y				
Chloroethane									U	10	UG/L	UJ Y				
Chloroform									U	5	UG/L	UJ Y				
Chloromethane									U	10	UG/L	UJ Y				
Dibromochloromethane									U	5	UG/L	UJ Y				
Ethylbenzene									U	5	UG/L	UJ Y				
Methylene chloride									B	22	UG/L	UJ Y				
Styrene									U	5	UG/L	UJ Y				
Tetrachlorethene									J	1	UG/L	U Y				
Toluene									BJ	5	UG/L	UJ Y				
Total xylenes									U	5	UG/L	UJ Y				
Trichloroethene									U	5	UG/L	UJ Y				
Vinyl Acetate									U	10	UG/L	UJ Y				
Vinyl chloride									J	5	UG/L	UJ Y				
cis-1,3-Dichloropropene									U	5	UG/L	UJ Y				
trans-1,3-Dichloropropene									U	5	UG/L	UJ Y				

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1991 RI/FS - Pit 2
Pit Material Organic Results

Well/Boring:	1768				1768				1768				1768			
Sample ID:	063620				063621				063625				063630			
Sample Date:	22-AUG-91				22-AUG-91				22-AUG-91				23-AUG-91			
Top Depth (ft):	13				13.5				15.5				7			
Bottom Depth (ft):	13.5				14				16				14			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Carbon disulfide					U	5	UG/L	U	Y							
Chlorobenzene					U	5	UG/L	U	Y							
Chloroethane					U	10	UG/L	U	Y							
Chloroform					J	1	UG/L	J	Y							
Chloromethane					U	10	UG/L	UJ	Y							
Dibromochloromethane					U	5	UG/L	U	Y							
Ethylbenzene					U	5	UG/L	U	Y							
Methylene chloride					B	21	UG/L	U	Y							
Styrene					U	5	UG/L	U	Y							
Tetrachlorethene					U	5	UG/L	U	Y							
Toluene					BJ	5	UG/L	U	Y							
Total xylenes					U	5	UG/L	U	Y							
Trichloroethene					U	5	UG/L	U	Y							
Vinyl Acetate					U	10	UG/L	U	Y							
Vinyl chloride					U	10	UG/L	U	Y							
cis-1,3-Dichloropropene					U	5	UG/L	U	Y							
trans-1,3-Dichloropropene					U	5	UG/L	U	Y							

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Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
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A.2.1.6

PIT 1
PIT MATERIAL
EXTRACTION PROCEDURE TOXICITY RESULTS

Characterization Investigation Study - Pit 2
Extraction Procedure Toxicity Data

Chemical Parameters	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
Well/Boring:		02-01			02-03			02-03			02-04	
Sample ID:		PS-02-007			PS-02-017			PS-02-018			PS-02-026	
Sample Date:		4/16/87			4/17/87			4/17/87			4/20/87	
Top Depth (ft):		0			0			0			0	
Bottom Depth (ft):		10			10			10			10	
IGNITABILITY		>800	DEG F		>800	DEG F		>800	DEG F		>800	DEG F
CORROSIVITY		7.10	PHU		7.50	PHU		5.80	PHU		6.20	PHU
REACTIVITY (SULFIDE)	U	0.32	MG/KG	U	0.32	MG/KG	U	0.32	MG/KG	U	0.38	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE		4220	UG/L		9460	UG/L		6230	UG/L	U	1000	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L	U	0.2	UG/L	U	0.2	UG/L	U	0.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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Characterization Investigation Study - Pit 2
Extraction Procedure Toxicity Data

Well/Boring:		02-05	
Chemical Parameters Sample ID:		PS-02-038	
Sample Date:		4/20/87	
Top Depth (ft):		0	
Bottom Depth (ft):		10	
	LQ	Result	Unit
IGNITABILITY		>800	DEG F
CORROSIVITY		6.40	PHU
REACTIVITY (SULFIDE)	U	0.33	MG/KG
SILVER, EP LEACHATE	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L
BARIUM, EP LEACHATE	U	1000	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L
MERCURY, EP LEACHATE		0.27	UG/L
LEAD, EP LEACHATE	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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A.2.2

PIT 2
PIT LEACHATE

A.2.2.1

PIT 2
PIT LEACHATE
RADIOLOGICAL RESULTS

1991 RI/FS - Pit 2
Pit Leachate Radiological Results

Well/Boring:	1768					1769				
Sample ID:	063947					063948				
Sample Date:	15-NOV-91					15-NOV-91				
Top Depth (ft):	N/A					N/A				
Bottom Depth (ft):	N/A					N/A				
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
CESIUM-137	U	20	PCI/L	U		U	20	PCI/L	U	
GROSS ALPHA		5178	PCI/L	NV			991	PCI/L	NV	
GROSS BETA		3168	PCI/L	NV			417	PCI/L	NV	
NEPTUNIUM-237										
PLUTONIUM-238	U	1	PCI/L	U		U	1	PCI/L	U	
PLUTONIUM-239/240	U	1	PCI/L	U		U	1	PCI/L	U	
RADIUM-226		279	PCI/L	J			72.4	PCI/L	J	
RADIUM-228		26.8	PCI/L	R			3.1	PCI/L	R	
RUTHENIUM-106	U	150	PCI/L	U		U	150	PCI/L	U	
STRONTIUM-90							6.56	PCI/L	-	
TECHNETIUM-99		90.8	PCI/L	-		U	30	PCI/L	U	
THORIUM-228										
THORIUM-230										
THORIUM-232										
THORIUM-TOTAL										
URANIUM-234		1082	PCI/L	-			188	PCI/L	-	
URANIUM-235/236		79.5	PCI/L	-			11.6	PCI/L	-	
URANIUM-238		1246	PCI/L	-			267	PCI/L	-	
URANIUM-TOTAL		3650	UG/L	-			776	UG/L	-	
CESIUM-137	U	20	PCI/L	U	Y	U	20	PCI/L	U	Y
GROSS ALPHA		5178	PCI/L	NV	Y		991	PCI/L	NV	Y

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1991 RI/FS - Pit 2
Pit Leachate Radiological Results

Well/Boring:		1768					1769			
Sample ID:		063947					063948			
Sample Date:		15-NOV-91					15-NOV-91			
Top Depth (ft):		N/A					N/A			
Bottom Depth (ft):		N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
GROSS BETA		3168	PCI/L	NV	Y		417	PCI/L	NV	Y
PLUTONIUM-238	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y
PLUTONIUM-239/240	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y
RADIUM-226		279	PCI/L	J	Y		72.4	PCI/L	J	Y
RADIUM-228		26.8	PCI/L	R	Y		3.1	PCI/L	R	Y
RUTHENIUM-106	U	150	PCI/L	U	Y	U	150	PCI/L	U	Y
STRONTIUM-90							6.56	PCI/L	-	Y
TECHNETIUM-99		90.8	PCI/L	-	Y	U	30	PCI/L	U	Y
URANIUM-234		1082	PCI/L	-	Y		188	PCI/L	-	Y
URANIUM-235/236		79.5	PCI/L	-	Y		11.6	PCI/L	-	Y
URANIUM-238		1246	PCI/L	-	Y		267	PCI/L	-	Y
URANIUM-TOTAL		3650	UG/L	-	Y		776	UG/L	-	Y

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PIT 2
PIT LEACHATE
INORGANIC RESULTS

1991 RI/FS - Pit 2
Pit Leachate Inorganic Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1769					1768					1768					1769			
Sample ID:		063907					063909					063947					063948			
Sample Date:		22-OCT-91					22-OCT-91					15-NOV-91					15-NOV-91			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A					N/A			
Alkalinity as CaCO3																				
Ammonia		73.8	MG/L	J			275	MG/L	J											
Bromide																				
Chloride		1816	MG/L	-			6203	MG/L	-											
Cyanide		38.8	UG/L	R			31.6	UG/L	-											
Fluoride		61	MG/L	-			41.6	MG/L	-											
Nitrate		232	MG/L	J			4650	MG/L	J											
Oxidation-Reduction Potential																				
Oxidation-Reduction Potential																				
Phosphate																				
Phosphorus		25.3	MG/L	-			32	MG/L	-											
Sulfate		198	MG/L	-			120	MG/L	-											
Sulfide	U	.5	MG/L	U		U	.5	MG/L	U											
Total Organic Carbon		3.48	MG/L	J			7.7	MG/L	J											
Total Organic Nitrogen																				
pH																				
Aluminum		406	UG/L	-			887	UG/L	-		EN	2170	UG/L	J		EN	2740	UG/L	J	
Antimony		184	UG/L	-			571	UG/L	-			503	UG/L	-			176	UG/L	-	
Arsenic	N	27.4	UG/L	J		N	67.7	UG/L	J			34.7	UG/L	-		S	39.1	UG/L	-	
Barium		319	UG/L	-			360	UG/L	-		E	449	UG/L	J		E	340	UG/L	J	
Beryllium	B	2.6	UG/L	J		B	4.7	UG/L	J			5.7	UG/L	-		B	3.6	UG/L	-	

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1991 RI/FS - Pit 2
Pit Leachate Inorganic Results

Well/Boring:	1769				1768				1768				1769		
Sample ID:	063907				063909				063947				063948		
Sample Date:	22-OCT-91				22-OCT-91				15-NOV-91				15-NOV-91		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Boron		932	UG/L	-		2230	UG/L	-	EN	2820	UG/L	J	EN	470	UG/L	J
Cadmium		48.8	UG/L	-		279	UG/L	-	N	254	UG/L	J	N	45.1	UG/L	J
Calcium		753000	UG/L	-		1680000	UG/L	-		1050000	UG/L	-		769000	UG/L	-
Chromium		88.9	UG/L	-	U	10	UG/L	U	U	10	UG/L	UJ		109	UG/L	-
Cobalt		52.1	UG/L	J		320	UG/L	-	N	595	UG/L	J	N	87.2	UG/L	J
Copper		42.4	UG/L	-		77.5	UG/L	-	EN	145	UG/L	J	EN	91.1	UG/L	J
Iron		104	UG/L	-		247	UG/L	-	E	2180	UG/L	J	E	3240	UG/L	J
Lead	U	2	UG/L	U	UW	2	UG/L	UJ		18.3	UG/L	-		44.6	UG/L	-
Magnesium		338000	UG/L	-		3790000	UG/L	-		2750000	UG/L	-		301000	UG/L	-
Manganese	E	3630	UG/L	J	E	3970	UG/L	J		4520	UG/L	-		3590	UG/L	-
Mercury		1.9	UG/L	-		4.6	UG/L	-	U	.2	UG/L	UJ	U	.2	UG/L	UJ
Molybdenum	N	169	UG/L	J	N	510	UG/L	J	EN	1570	UG/L	J	EN	82.5	UG/L	J
Nickel		107	UG/L	-	U	20	UG/L	U	N	189	UG/L	J	N	170	UG/L	J
Potassium		39900	UG/L	-		1240000	UG/L	-		1280000	UG/L	-		18000	UG/L	-
Selenium	SN	14.6	UG/L	J	SN	54.6	UG/L	J	S	58.3	UG/L	-	+	6	UG/L	J
Silicon		5510	UG/L	-		6760	UG/L	-	E	10100	UG/L	J	E	8230	UG/L	J
Silver	N	80.1	UG/L	J	N	115	UG/L	J	N	108	UG/L	J	N	83.6	UG/L	J
Sodium		147000	UG/L	-		3140000	UG/L	-		1970000	UG/L	-		92800	UG/L	-
Thallium	UWN	10	UG/L	J	UWN	10	UG/L	UJ	B+N	5.5	UG/L	J	UWN	2	UG/L	UJ
Tin	U	200	UG/L	U	U	200	UG/L	U		200	UG/L	U	U	200	UG/L	U
Vanadium		92.5	UG/L	-		266	UG/L	-	EN	334	UG/L	J	EN	102	UG/L	J

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 2
Pit Leachate Inorganic Results

Well/Boring:	1769					1768					1768					1769			
Sample ID:	063907					063909					063947					063948			
Sample Date:	22-OCT-91					22-OCT-91					15-NOV-91					15-NOV-91			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Zinc		22	UG/L	-			55.3	UG/L	J			63	UG/L	-			38.8	UG/L	J	
Aluminum		406	UG/L	-	Y		887	UG/L	-	Y	EN	2170	UG/L	J	Y	EN	2740	UG/L	J	Y
Antimony		184	UG/L	-	Y		571	UG/L	-	Y		503	UG/L	-	Y		176	UG/L	-	Y
Arsenic	N	27.4	UG/L	J	Y	N	67.7	UG/L	J	Y		34.7	UG/L	-	Y	S	39.1	UG/L	-	Y
Barium		319	UG/L	-	Y		360	UG/L	-	Y	E	449	UG/L	J	Y	E	340	UG/L	J	Y
Beryllium	B	2.6	UG/L	J	Y	B	4.7	UG/L	J	Y		5.7	UG/L	-	Y	B	3.6	UG/L	-	Y
Boron		932	UG/L	-	Y		2230	UG/L	-	Y	EN	2820	UG/L	J	Y	EN	470	UG/L	J	Y
Cadmium		48.8	UG/L	-	Y		279	UG/L	-	Y	N	254	UG/L	J	Y	N	45.1	UG/L	J	Y
Calcium		753000	UG/L	-	Y		1680000	UG/L	-	Y		1050000	UG/L	-	Y		769000	UG/L	-	Y
Chromium		88.9	UG/L	-	Y	U	10	UG/L	U	Y	U	10	UG/L	UJ	Y		109	UG/L	-	Y
Cobalt		52.1	UG/L	J	Y		320	UG/L	-	Y	N	595	UG/L	J	Y	N	87.2	UG/L	J	Y
Copper		42.4	UG/L	-	Y		77.5	UG/L	-	Y	EN	145	UG/L	J	Y	EN	91.1	UG/L	J	Y
Iron		104	UG/L	-	Y		247	UG/L	-	Y	E	2180	UG/L	J	Y	E	3240	UG/L	J	Y
Lead	U	2	UG/L	U	Y	UW	2	UG/L	UJ	Y		18.3	UG/L	-	Y		44.6	UG/L	-	Y
Magnesium		338000	UG/L	-	Y		3790000	UG/L	-	Y		2750000	UG/L	-	Y		301000	UG/L	-	Y
Manganese	E	3630	UG/L	J	Y	E	3970	UG/L	J	Y		4520	UG/L	-	Y		3590	UG/L	-	Y
Mercury		1.9	UG/L	-	Y		4.6	UG/L	-	Y	U	.2	UG/L	UJ	Y	U	.2	UG/L	UJ	Y
Molybdenum	N	169	UG/L	J	Y	N	510	UG/L	J	Y	EN	1570	UG/L	J	Y	EN	82.5	UG/L	J	Y
Nickel		107	UG/L	-	Y	U	20	UG/L	U	Y	N	189	UG/L	J	Y	N	170	UG/L	J	Y
Potassium		39900	UG/L	-	Y		1240000	UG/L	-	Y		1280000	UG/L	-	Y		18000	UG/L	-	Y
Selenium	SN	14.6	UG/L	J	Y	SN	54.6	UG/L	J	Y	S	58.3	UG/L	-	Y	+	6	UG/L	J	Y

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 2
Pit Leachate Inorganic Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1769					1768					1768					1769			
Sample ID:		063907					063909					063947					063948			
Sample Date:		22-OCT-91					22-OCT-91					15-NOV-91					15-NOV-91			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A					N/A			
Silicon		5510	UG/L	-	Y		6760	UG/L	-	Y	E	10100	UG/L	J	Y	E	8230	UG/L	J	Y
Silver	N	80.1	UG/L	J	Y	N	115	UG/L	J	Y	N	108	UG/L	J	Y	N	83.6	UG/L	J	Y
Sodium		147000	UG/L	-	Y		3140000	UG/L	-	Y		1970000	UG/L	-	Y		92800	UG/L	-	Y
Thallium	UWN	10	UG/L	J	Y	UWN	10	UG/L	UJ	Y	B+N	5.5	UG/L	J	Y	UWN	2	UG/L	UJ	Y
Tin	U	200	UG/L	U	Y	U	200	UG/L	U	Y		200	UG/L	U	Y	U	200	UG/L	U	Y
Vanadium		92.5	UG/L	-	Y		266	UG/L	-	Y	EN	334	UG/L	J	Y	EN	102	UG/L	J	Y
Zinc		22	UG/L	-	Y		55.3	UG/L	J	Y		63	UG/L	-	Y		38.8	UG/L	J	Y

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PIT 2
PIT LEACHATE
ORGANIC RESULTS

1991 RI/FS - Pit 2
Pit Leachate Organic Results

Well/Boring:	1769				1768				1768			
Sample ID:	063907				063909				063952			
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
1,2,3,4,6,7,8-HpCDD	U	.84	NG/L	UJ					U	1.2	NG/L	U
1,2,3,4,6,7,8-HpCDF	U	1.5	NG/L	U					U	.89	NG/L	U
1,2,3,4,7,8,9-Heptachlorodiben	U	2.2	NG/L	U					U	1.3	NG/L	U
1,2,3,4,7,8-Hexachlorodibenzo-	U	1.6	NG/L	U					U	.46	NG/L	U
1,2,3,4,7,8-Hexachlorodibenzof	U	1.6	NG/L	U					U	.87	NG/L	U
1,2,3,6,7,8-Hexachlorodibenzo-	U	1.3	NG/L	U					U	.37	NG/L	U
1,2,3,6,7,8-Hexachlorodibenzof	U	1.5	NG/L	U					U	.91	NG/L	U
1,2,3,7,8,9-Hexachlorodibenzo-	U	1.4	NG/L	U					U	.38	NG/L	U
1,2,3,7,8,9-Hexachlorodibenzof	U	1.9	NG/L	U					U	1	NG/L	U
1,2,3,7,8-Pentachlorodibenzo-p	U	1	NG/L	U					U	1.9	NG/L	UJ
1,2,3,7,8-Pentachlorodibenzofu	U	1	NG/L	U					U	.69	NG/L	U
2,3,4,6,7,8-Hexachlorodibenzof	U	1.7	NG/L	U					U	.77	NG/L	U
2,3,4,7,8-Pentachlorodibenzofu	U	1.1	NG/L	U					U	.75	NG/L	U
2,3,7,8-TCDD	U	1.1	NG/L	U					U	.68	NG/L	U
2,3,7,8-TCDF	U	.65	NG/L	U					U	.73	NG/L	U
Heptachlorodibenzo-p-dioxin	U	.84	NG/L	UJ					U	3.6	NG/L	U
Heptachlorodibenzofuran	U	1.8	NG/L	U						.92	NG/L	J
Hexachlorodibenzo-p-dioxin	U	3	NG/L	U					U	.4	NG/L	U
Hexachlorodibenzofuran	U	1.7	NG/L	U					U	.88	NG/L	U
Octachlorodibenzo-p-dioxin		4.2	NG/L	J						6.5	NG/L	U
Octachlorodibenzofuran	U	1.4	NG/L	U						.7	NG/L	-

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

Well/Boring:	1769				1768				1768			
Sample ID:	063907				063909				063952			
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Pentachlorodibenzo-p-dioxin	U	1	NG/L	U					U	1.9	NG/L	UJ
Pentachlorodibenzofuran	U	1.1	NG/L	U					U	.72	NG/L	U
Tetrachlorodibenzo-p-dioxin	U	.44	NG/L	U					U	.33	NG/L	U
Tetrachlorodibenzofuran	U	.54	NG/L	U					U	.44	NG/L	U
2,4,5-T	U	2.2	UG/L	U	U	2.2	UG/L	UJ				
2,4,5-TP (Silvex)	U	2	UG/L	U	U	2	UG/L	UJ				
2,4-D	U	11	UG/L	U	U	11	UG/L	UJ				
Dinoseb	U	.76	UG/L	U	U	.76	UG/L	U				
Sulfotepp	U	3	UG/L	R	U	30	UG/L	U				
Dimethoate	U	3	UG/L	U	U	30	UG/L	U				
Disulfoton	U	3	UG/L	U	U	30	UG/L	U				
Famphur	U	3	UG/L	U	U	30	UG/L	U				
Parathion, ethyl	U	3	UG/L	U	U	30	UG/L	U				
Parathion, methyl	U	3	UG/L	U	U	30	UG/L	U				
Tetraethylpyrophosphate	U	12	UG/L	U	U	120	UG/L	U				
Thionazin	U	3	UG/L	U	U	30	UG/L	U				
4,4-DDD	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
4,4-DDE	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
4,4-DDT	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
Aldrin	U	.05	UG/L	UJ	U	.05	UG/L	UJ				
Aroclor-1016	U	.5	UG/L	UJ	U	.5	UG/L	UJ				

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

Well/Boring:	1769				1768				1768		
Sample ID:	063907				063909				063952		
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Aroclor-1221	U	.5	UG/L	UJ	U	.5	UG/L	UJ				
Aroclor-1232	U	.5	UG/L	UJ	U	.5	UG/L	UJ				
Aroclor-1242	U	.5	UG/L	UJ	U	.5	UG/L	UJ				
Aroclor-1248	U	.5	UG/L	UJ	U	.5	UG/L	UJ				
Aroclor-1254	U	1	UG/L	UJ	U	1	UG/L	UJ				
Aroclor-1260	U	1	UG/L	UJ	U	1	UG/L	UJ				
Dieldrin	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
Endosulfan II	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
Endosulfan sulfate	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
Endosulfan-I	U	.05	UG/L	UJ	U	.05	UG/L	UJ				
Endrin	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
Endrin ketone	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
Heptachlor	U	.05	UG/L	UJ	U	.05	UG/L	UJ				
Heptachlor epoxide	U	.05	UG/L	UJ	U	.05	UG/L	UJ				
Isodrin	U	.05	UG/L	UJ	U	.05	UG/L	UJ				
Kepone	U	.1	UG/L	UJ	U	.1	UG/L	UJ				
Methoxychlor	U	.5	UG/L	UJ	U	.5	UG/L	UJ				
Toxaphene	U	1	UG/L	UJ	U	1	UG/L	UJ				
alpha-BHC	U	.05	UG/L	UJ	U	.05	UG/L	UJ				
alpha-Chlordane	U	.5	UG/L	UJ	U	.5	UG/L	UJ				
beta-BHC	U	.05	UG/L	UJ	U	.05	UG/L	UJ				

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FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

Well/Boring:	1769				1768				1768		
Sample ID:	063907				063909				063952		
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
delta-BHC	U	.05	UG/L	UJ	U	.05	UG/L	UJ				
gamma-BHC (Lindane)	U	.05	UG/L	UJ	U	.05	UG/L	UJ				
gamma-Chlordane	U	.5	UG/L	UJ	U	.5	UG/L	UJ				
1,2,4,5-Tetrachlorobenzene	U	10	UG/L	R	U	10	UG/L	U				
1,2,4-Trichlorobenzene	U	10	UG/L	R	J	3	UG/L	J				
1,2-Dichlorobenzene	U	10	UG/L	R	U	10	UG/L	U				
1,3,5-Trinitrobenzene	U	10	UG/L	R	U	10	UG/L	U				
1,3-Dichlorobenzene	U	10	UG/L	R	U	10	UG/L	U				
1,3-Dinitrobenzene	U	10	UG/L	R	U	10	UG/L	U				
1,4-Dichlorobenzene	U	10	UG/L	R	U	10	UG/L	U				
1,4-Naphthoquinone	U	10	UG/L	R	U	10	UG/L	UJ				
1-Naphthylamine	U	120	UG/L	R	U	120	UG/L	U				
2,3,4,6-Tetrachlorophenol	U	10	UG/L	U	U	10	UG/L	U				
2,4,5-Trichlorophenol	U	50	UG/L	U	U	50	UG/L	U				
2,4,6-Trichlorophenol	U	10	UG/L	U	U	10	UG/L	U				
2,4-Dichlorophenol	U	10	UG/L	U	U	10	UG/L	U				
2,4-Dimethylphenol	U	10	UG/L	U	U	10	UG/L	U				
2,4-Dinitrophenol	U	50	UG/L	U	U	50	UG/L	U				
2,4-Dinitrotoluene	U	10	UG/L	R	U	10	UG/L	U				
2,6-Dichlorophenol	U	10	UG/L	UJ	U	10	UG/L	UJ				
2,6-Dinitrotoluene	U	10	UG/L	R	U	10	UG/L	U				

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

Well/Boring:	1769				1768				1768		
Sample ID:	063907				063909				063952		
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
2-Acetylaminofluorene	U	10	UG/L	R	U	10	UG/L	U				
2-Chloronaphthalene	U	10	UG/L	R	U	10	UG/L	U				
2-Chlorophenol	U	10	UG/L	U	U	10	UG/L	U				
2-Methylnaphthalene	U	10	UG/L	R	U	10	UG/L	U				
2-Methylphenol	U	10	UG/L	U	U	10	UG/L	U				
2-Naphthylamine	U	170	UG/L	R	U	170	UG/L	U				
2-Nitroaniline	U	50	UG/L	R	U	50	UG/L	U				
2-Nitrophenol	U	10	UG/L	U	U	10	UG/L	U				
2-Picoline	U	70	UG/L	R	U	70	UG/L	UJ				
3,3'-Dichlorobenzidine	U	20	UG/L	R	U	20	UG/L	U				
3,3'-Dimethylbenzidine	U	80	UG/L	R	U	80	UG/L	U				
3-Methylcholanthrene	U	30	UG/L	R	U	30	UG/L	U				
3-Methylphenol	U	10	UG/L	U	U	10	UG/L	U				
3-Nitroaniline	U	50	UG/L	R	U	50	UG/L	U				
4,6-Dinitro-2-methylphenol	U	50	UG/L	U	U	50	UG/L	U				
4-Aminobiphenyl	U	50	UG/L	R	U	50	UG/L	UJ				
4-Bromophenyl phenyl ether	U	10	UG/L	R	U	10	UG/L	U				
4-Chloro-3-methylphenol	U	10	UG/L	U	U	10	UG/L	U				
4-Chloroaniline	U	10	UG/L	R	U	10	UG/L	U				
4-Chlorophenylphenyl ether	U	10	UG/L	R	U	10	UG/L	U				
4-Methylphenol	U	10	UG/L	U	U	10	UG/L	U				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 2
Pit Leachate Organic Results

Well/Boring:	1769				1768				1768			
Sample ID:	063907				063909				063952			
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
4-Nitroaniline	U	50	UG/L	R	U	50	UG/L	U				
4-Nitrophenol	U	50	UG/L	U	U	50	UG/L	U				
4-Nitroquinoline-1-oxide	U	10	UG/L	R	U	10	UG/L	UJ				
5-Nitro-o-toluidine	U	20	UG/L	R	U	20	UG/L	UJ				
7,12-Dimethylbenz(a)anthracene	U	20	UG/L	R	U	20	UG/L	UJ				
Acenaphthene	J	12	UG/L	J	U	10	UG/L	U				
Acenaphthylene	U	10	UG/L	R	U	10	UG/L	U				
Acetophenone	U	10	UG/L	R	U	10	UG/L	UJ				
Aniline	U	50	UG/L	R	U	50	UG/L	U				
Anthracene	J	2	UG/L	J	U	10	UG/L	U				
Aramite	U	10	UG/L	R	U	10	UG/L	U				
Benzidine												
Benzo(a)anthracene	U	10	UG/L	R	U	10	UG/L	U				
Benzo(a)pyrene	U	10	UG/L	R	U	10	UG/L	U				
Benzo(b)fluoranthene	U	10	UG/L	R	U	10	UG/L	U				
Benzo(g,h,i)perylene	U	10	UG/L	R	U	10	UG/L	U				
Benzo(k)fluoranthene	U	10	UG/L	R	U	10	UG/L	U				
Benzoic acid	U	50	UG/L	U	U	50	UG/L	U				
Benzyl alcohol	U	10	UG/L	U	U	10	UG/L	U				
Butyl benzyl phthalate	U	10	UG/L	R	U	10	UG/L	U				
Carbazole												

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

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Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Chlorobenzilate	U	.1	UG/L	UJ	U	.1	UG/L	U				
Chrysene	U	10	UG/L	R	U	10	UG/L	U				
Di-n-butyl phthalate	U	10	UG/L	R	U	10	UG/L	U				
Di-n-octyl phthalate	U	10	UG/L	R	U	10	UG/L	U				
Diallate	U	10	UG/L	R	U	10	UG/L	UJ				
Dibenzo(a,h)anthracene	U	10	UG/L	R	U	10	UG/L	U				
Dibenzofuran	J	5	UG/L	J	U	10	UG/L	U				
Diethyl phthalate	U	10	UG/L	R	U	10	UG/L	U				
Dimethyl phthalate	U	10	UG/L	R	U	10	UG/L	U				
Dinoseb	U	.76	UG/L	U	U	.76	UG/L	U				
Diphenylamine	U	10	UG/L	R	U	10	UG/L	UJ				
Ethyl methanesulfonate	U	10	UG/L	R	U	10	UG/L	UJ				
Fluoranthene	J	9	UG/L	J	U	10	UG/L	U				
Fluorene	J	6	UG/L	J	U	10	UG/L	U				
Hexachlorobenzene	U	10	UG/L	R	U	10	UG/L	U				
Hexachlorobutadiene	U	10	UG/L	R	U	10	UG/L	U				
Hexachlorocyclopentadiene	U	10	UG/L	R	U	10	UG/L	U				
Hexachloroethane	U	10	UG/L	R	U	10	UG/L	U				
Hexachlorophene	U	50	UG/L	R	U	50	UG/L	R				
Hexachloropropene	U	20	UG/L	R	U	20	UG/L	R				
Indeno(1,2,3-cd)pyrene	U	10	UG/L	R	U	10	UG/L	U				

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

Well/Boring:	1769				1768				1768		
Sample ID:	063907				063909				063952		
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Isophorone	U	10	UG/L	R	U	10	UG/L	U				
Isosafrole	U	10	UG/L	R	U	10	UG/L	UJ				
Methapyrilene	U	40	UG/L	R	U	40	UG/L	R				
Methyl methanesulfonate	U	10	UG/L	R	U	10	UG/L	UJ				
N-Nitroso-di-n-propylamine	U	10	UG/L	R	U	10	UG/L	U				
N-Nitrosodi-n-butylamine	U	20	UG/L	R	U	20	UG/L	UJ				
N-Nitrosodiethylamine	U	10	UG/L	R	U	10	UG/L	UJ				
N-Nitrosodimethylamine	U	10	UG/L	R	U	10	UG/L	U				
N-Nitrosodiphenylamine	U	10	UG/L	R	U	10	UG/L	U				
N-Nitrosomethylethylamine	U	10	UG/L	R	U	10	UG/L	UJ				
N-Nitrosomorpholine	U	10	UG/L	R	U	10	UG/L	UJ				
N-Nitrosopiperidine	U	10	UG/L	R	U	10	UG/L	UJ				
N-Nitrosopyrrolidine	U	10	UG/L	R	U	10	UG/L	UJ				
Naphthalene	U	10	UG/L	R	U	10	UG/L	U				
Nitrobenzene	U	10	UG/L	R	U	10	UG/L	U				
O,O,O-Triethylphosphorothioate	U	3	UG/L	R	U	30	UG/L	UJ				
Pentachlorobenzene	U	20	UG/L	R	U	20	UG/L	U				
Pentachloroethane	U	20	UG/L	R	U	20	UG/L	UJ				
Pentachloronitrobenzene	U	20	UG/L	R	U	20	UG/L	U				
Pentachlorophenol	U	50	UG/L	U	U	50	UG/L	U				
Phenacetin	U	10	UG/L	R	U	10	UG/L	U				

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

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Sample ID:	063907				063909				063952		
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Phenanthrene	U	10	UG/L	R	U	10	UG/L	U				
Phenol	U	10	UG/L	U	U	10	UG/L	U				
Phorate	U	3	UG/L	U	U	30	UG/L	U				
Pronamide	U	30	UG/L	R	U	30	UG/L	U				
Pyrene	J	7	UG/L	J	U	10	UG/L	U				
Pyridine												
Safrole	U	10	UG/L	R	U	10	UG/L	UJ				
Sulfotepp	U	3	UG/L	R	U	30	UG/L	U				
Tributyl phosphate												
Triethylphosphorothioate	U	10	UG/L	U								
a,a-Dimethylphenethylamine	U	10	UG/L	R	U	10	UG/L	R				
bis(2-Chloroethoxy)methane	U	10	UG/L	R	U	10	UG/L	U				
bis(2-Chloroethyl)ether	U	10	UG/L	R	U	10	UG/L	U				
bis(2-Chloroisopropyl) ether	U	10	UG/L	R	U	10	UG/L	U				
bis(2-Ethylhexyl) phthalate	U	10	UG/L	R	J	7	UG/L	J				
o-Toluidine	U	10	UG/L	R	U	10	UG/L	UJ				
p-Dimethylaminoazobenzene	U	30	UG/L	R	U	30	UG/L	U				
p-Phenylenediamine	U	50	UG/L	R	U	50	UG/L	UJ				
1,1,1,2-Tetrachloroethane	U	10	UG/L	U	U	10	UG/L	U				
1,1,1-Trichloroethane	U	5	UG/L	U	U	32	UG/L	U				
1,1,2,2-Tetrachloroethane	U	5	UG/L	U	U	5	UG/L	U				

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

Well/Boring:	1769				1768				1768		
Sample ID:	063907				063909				063952		
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
1,1,2-Trichloroethane	U	5	UG/L	U	U	5	UG/L	U				
1,1-Dichloroethane	U	5	UG/L	U	U	5	UG/L	U				
1,1-Dichloroethene	U	5	UG/L	U	J	2	UG/L	J				
1,2,3-Trichloropropane	U	10	UG/L	U	U	10	UG/L	U				
1,2-Dibromo-3-chloropropane	U	10	UG/L	U	U	10	UG/L	U				
1,2-Dibromoethane	U	10	UG/L	U	U	10	UG/L	U				
1,2-Dichloroethane	U	5	UG/L	U	J	2	UG/L	J				
1,2-Dichloroethylene	U	5	UG/L	U	U	5	UG/L	U				
1,2-Dichloropropane	U	5	UG/L	U	U	5	UG/L	U				
1,4-Dioxane	J	12	UG/L	J	J	130	UG/L	J				
2-Butanone	U	10	UG/L	U	U	10	UG/L	U				
2-Chloro-1,3-butadiene	U	10	UG/L	U	U	10	UG/L	U				
2-Hexanone	U	10	UG/L	U	U	10	UG/L	U				
3-Chloropropene	U	10	UG/L	U	U	10	UG/L	U				
4-Methyl-2-pentanone	U	10	UG/L	U	U	10	UG/L	U				
Acetone	U	10	UG/L	UJ	U	10	UG/L	U				
Acetonitrile	U	20	UG/L	U	J	12	UG/L	J				
Acrolein	U	20	UG/L	U	U	20	UG/L	U				
Acrylonitrile	U	20	UG/L	R	U	20	UG/L	U				
Benzene	U	5	UG/L	U	U	5	UG/L	U				
Bromodichloromethane	U	5	UG/L	U	U	5	UG/L	U				

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1991 RI/FS - Pit 2
Pit Leachate Organic Results

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Sample ID:	063907				063909				063952		
Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Bromoform	U	5	UG/L	U	U	5	UG/L	U				
Bromomethane	U	10	UG/L	UJ	U	10	UG/L	U				
Carbon Tetrachloride	U	5	UG/L	U	U	5	UG/L	U				
Carbon disulfide	U	5	UG/L	U	U	5	UG/L	U				
Chlorobenzene	U	5	UG/L	U	U	5	UG/L	U				
Chloroethane	U	10	UG/L	U	U	10	UG/L	U				
Chloroform	U	5	UG/L	U	U	7	UG/L	U				
Chloromethane	U	10	UG/L	UJ	U	10	UG/L	U				
Dibromochloromethane	U	5	UG/L	U	U	5	UG/L	U				
Dibromomethane	U	10	UG/L	U	U	10	UG/L	U				
Dichlorodifluoromethane	U	200	UG/L	R	U	200	UG/L	U				
Ethyl cyanide	U	10	UG/L	U	U	10	UG/L	U				
Ethyl methacrylate	U	10	UG/L	U	U	10	UG/L	U				
Ethylbenzene	U	5	UG/L	U	U	5	UG/L	U				
Iodomethane	U	10	UG/L	U	U	10	UG/L	U				
Isobutyl alcohol	U	200	UG/L	UJ	U	200	UG/L	UJ				
Methacrylonitrile	U	10	UG/L	U	U	10	UG/L	U				
Methyl methacrylate	U	10	UG/L	U	U	10	UG/L	U				
Methylene chloride	BJ	5	UG/L	U	B	20	UG/L	-				
Styrene	U	5	UG/L	U	U	5	UG/L	U				
Tetrachlorethene	U	5	UG/L	U	U	5	UG/L	U				

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1991 RI/FS - Pit 2
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Sample Date:	22-OCT-91				22-OCT-91				19-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Toluene	U	5	UG/L	U	U	5	UG/L	U				
Total xylenes	U	5	UG/L	U	U	5	UG/L	U				
Trichloroethene	U	5	UG/L	U	U	5	UG/L	U				
Trichlorofluoromethane	U	10	UG/L	U	U	10	UG/L	U				
Vinyl Acetate	U	10	UG/L	U	U	10	UG/L	U				
Vinyl chloride		160	UG/L	-	J	1	UG/L	J				
cis-1,3-Dichloropropene	U	5	UG/L	U	U	5	UG/L	U				
trans-1,3-Dichloropropene	U	5	UG/L	U	U	5	UG/L	U				
trans-1,4-Dichloro-2-butene	U	10	UG/L	U	U	10	UG/L	U				

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A.3

PIT 3

A.3.1

PIT 3
PIT MATERIAL

A.3.1.1

PIT 3
PIT MATERIAL
VISUAL CLASSIFICATION OF SOILS

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-01 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: 550 DIEDRICH DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 48910.75,1378355.38	DATE OF COMPLETION: 4/03/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-03-003	8/10/21/24	19	10 inches yellowish brown clay silt 2 inches black granular material with specs of white 7 inches yellowish brown clay with silt. CLAY is stiff, damp, occasional pebbles.	NA	NA	cpm = 70 OVA = background
2 4	NA	4/3/18/20	17	8 inches yellowish brown clay with silt, damp 8 inches black medium to coarse grain sand sized material with flecks of white trace of clay, occasional pebbles, wet.	NA	NA	cpm = 250 OVA = 1-2
4 6	NA	11/7/7/7	4	Poor recovery approximately four inches insufficient for good sample. Materials damp with trace silt.	NA	NA	No readings
5 7	NA	NA	19	Same as above, insufficient for good sample with 1/2 inch diameter pebbles and chunks of wood, stained black, sample collected.	NA	NA	No readings
7 9	NA	7/7 7/10	19	Wet clay with some silt and pebbles. Color is dark greenish gray.	NA	NA	No readings
				Total depth = 9 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #43, Field Sampling Log Book #42A.

Samples FMP-PS-03-001, and FMP-PS-03-002 collected from composite of upper four feet (due to lack of recovery at lower depths).

FERNALD/03-01.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-02 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481815.44,1378547.75	DATE OF COMPLETION: 4/10/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-03-092 FMP-PS-03-093	2/2/6/14	17	9" reddish brown (5 YR 5/3) CLAY, little silt numerous rootlets, damp, trace gravel, 8" black (5 YR 2.5/1) coarse to fine Sand little silt, trace (+) clay, moist	NA	NA	250 cpm HNu = ND
2 4	FMP-PS-03-094 FMP-PS-03-095	20/19/7/17	20	Black (5 YR 2/.5/1) coarse to fine Sand size material, little silt, trace (+) clay, trace medium to fine gravel appears to be white glass, gravel angular, damp approximately 4 " from top (2'4") a 2" Clay and Sand layer occurs.	NA	NA	400 cpm HNu = 1/2 ppm
4 6	NA	8/13/14/14	0	No recovery. Coarse gravel stuck in end of split spoon and prevented entry of material from 4-6'	NA	NA	no reading
6 8	FMP-PS-03-096 FMP-PS-03-097	1/4/7/12	20	20" some black (5 YR 2.5/1) material as above. damp organic material present appears to be grass roots within the sample (not stuff from above). Also reddish brown (5 YR 5/3) CLAY with little silt is mixed throughout layers	NA	NA	500 cpm HNu = ND
8 10	FMP-PS-03-098 FMP-PS-03-099	4/4/5/4	21	Same as above, black (5 YR 2.5/1) material predominate, with several layers of reddish brown (5YR 5/3) CLAY, little silt material, little more moisture moist	NA	NA	500 cpm HNu = 1 ppm
10 12	FMP-PS-03-100 FMP-PS-03-101	5/7/4/4	22	Same as above, wet, some gravel angular, some rounded, gravel occurs only as trace	NA	NA	480 cpm HNu = 1 ppm
12 14	FMP-PS-03-102 FMP-PS-03-103	4/2/3/2	22	18" same as above, saturated, also trace of coarse gravel along with medium to fine grained gravel. 4" predominately light brownish gray (10 YR 6/2) with little white (10 YR 8/1) and little yellowish red (5YR 4/0) CLAY and silt size material, saturated.	NA	NA	530 cpm HNu = ND

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook #42A.

Samples FMP-PS-03-089, 090, 091 are composites of the entire boring

cpm - counts per minute

FERNALD/WEL0302.DRW/9/8-7-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-02 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481815.44,1378547.75	DATE OF COMPLETION: 4/10/87 2 of 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	FMP-PS-03-104 NA	3/2/3/3	13	5" black (5 YR 2.5/1) material, same as above piece of clear plastic in stuff from above. 8" predominately yellowish red (5 YR 7/0) and white (10 YR 8/1) with some light brownish gray (10 YR 6/2) CLAY and SAND, layering is not well defined, saturated	NA	NA	500 cpm HNu = ND
16 18	FMP-PS-03-105 FMP-PS-03-106	3/2/3/3	20	Same as lasat 8 " above, saturated	NA	NA	800 cpm HNu = 2 ppm
18 20	FMP-PS-03-107 FMP-PS-03-108	2/1/1/1	24	Same as above well defined layers of the above mentioned colors, with white and yellowish red predominate	NA	NA	700 cpm HNu = ND
				Total Depth = 20 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-03-089, 090, 091 are composites of the entire boring

cpm - counts per minute

FERNALD/WEL0302a.DRW/ij/5-7-93

5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-04 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481517.06,1378119.50	DATE OF COMPLETION: 4/8/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	6/14/ 19/20	12	4-6 inches light brown gray clayey to silty clay (10YR 5/3), medium stiff. 6-8 inches dark brown to black silty clay material, moist (10YR/2/1) organic (?).	Cl	NA	350 cpm
2 4	NA	5/3/ 3/2	17.5	8-10 inches light brown gray (10YR 5/3) clay, very moist; medium stiff. 8-10 inches reddish brown (2.5YR 5/4) clayey material (sludge), very moist.	Cl	NA	800 cpm
4 6	NA	2/1/ 1/1	18	16-20 inches reddish brown (2.5YR 5/8) clayey material (sludge) some dark brown black interminted silty, gritty material (silt) (organic ?).	Cl	NA	800 cpm
6 8	NA	1/1/ 1/1	12	12-8 inches reddish brown (2.5YR 5/8) clayey material (sludge); soft, minor light brownish gray silty or clayey material (0 to 10%) very moist.	Cl	NA	800 cpm
8 10	NA	3/2/ 2/1	18.5	18.5 inches reddish brown clayey material (sludge) very moist; soft.	Cl	NA	800 cpm
10 12	NA	1/1/ 1/1	22	Reddish-brown clayey material (sludge); very moist; (2.5YR 5/8); trace organic (black) (?) material, soft.	Cl	NA	800 cpm
12 14	NA	2/3/ 2/1	24	Reddish brown (2.5YR 5/8) clayey material (sludge), very moist, soft, minor light brown-gray (2.5YR 5/4) clay-minor organics (?) material (2.5YR 2.5/0).	Cl	NA	800 cpm

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #46, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T

Samples FMP-PS-03-028, 029, & 030 are composites of entire boring.

FERNALD/03-04.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-03 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481637.22,1378297.75	DATE OF COMPLETION: 4/6/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	5/9/ 11/4	19	8-10 inches silty clay; dark gray to (brown) moist to wet, soft. 11-14 inches sandy (fly ash) siltstone (dark brown-black) color, minor organic (roots) material.	Cl	NA	250 cpm
2 4	NA	5/4/ 1/1	6	2-4 inches silty clay; gray to (brown) with minor sand grains (0-5%); very moist to wet, trace organic.	Cl	NA	No readings
4 6	NA	1/0/ 0/0	28	18-20 inches red clay (sludge ?). 3-8 inches fly ash (10YR 6/1) or siltstone fly ash (?) to 4.5 inches below surface; then encountered red clay (sludge) on deeper (2.5YR 4/8) to 6 feet soft.	Cl	NA	460 cpm 1000 cpm
6 8	NA	1/9/ 0/0	24	Red clay-like material (sludge ?) very moist (2.5YR 4/8) similar to pudding consistency.	Cl	NA	750 cpm
8 10	NA	1/0/ 0/0	22	Red clay-like material (sludge ?) very moist (2.5YR 4/8) soft.	Cl	NA	1070 cpm
10 12	NA	1/1/ 1/1	17	Red clay-like material (sludge ?) very moist to wet with a pudding consistency, soft (2.5YR 4/8) reddish brown color.	Cl	NA	800 cpm
12 14	NA	2/1/ 1/2	20	Red clay-like material (sludge ?) pudding consistency (2.5YR 4/8) very moist, soft.	Cl	NA	700 cpm

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #46, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T

Samples FMP-PS-03-008, 009, & 027 are composites of entire boring.

FERNALD/03-03.DRW/mb/8-6-93

-5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-03 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 481637.22,1378297.75	DATE OF COMPLETION: 4/6/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	NA	1/0/ 0/1	23	Red clay-like material brownish-black clay-like (organic ?) material at bottom 2 inches.	Cl	NA	920 cpm
16 18	NA	1/1/ 1/1	8	Red clay-like material with intermittent brown to black clay-like material wet soft (2.5YR 4/8).	Cl	NA	680 cpm
18 20	NA	1/1/ 2/1	24	Reddish-brown clay-like material (2.5YR 4/8); 10YR /72 light gray clay-like material at bottom 5" of barrel or spoon, wet, soft.	Cl	NA	1300 cpm 640 cpm
				Total Depth = 20 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #46, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T

Samples FMP-PS-03-008, 009, & 027 are composites of entire boring.

FERNALD/03-03A.DRW/mb/8-6-93

394

VISUAL CLASSIFICATION OF SOILS

5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-04 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481517.06,1378119.50	DATE OF COMPLETION: 4/8/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	NA	2/1/ 1/1	24	Reddish brown (2.5YR 5/8) clayey material (sludge); trace light gray-brown (2.5YR 5/4) material (0 to 5%); moist to very moist soft.	CI	NA	600 cpm
16 18	NA	3/1/ 0/0	24	Reddish-brown (2.5YR 5/8) clayey material (sludge); very moist; 0 to 6% light gray-brown (7.5YR 5/4) clayey material; trace 0-2% dark brown to black (7.5YR 2/2) organic (?) material, soft.	NA	NA	675 cpm
18 20	NA	1/1/ 1/1	44	12-14 inches reddish brown (2.5YR 5/8) clayey material (sludge); extremely moist; red material underlain by 6-8 inches dark grayish-brown (2.5Y 4/2) clay to bottom of hole, soft.	NA	NA	900 cpm
				Total Depth = 20 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #46, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T

Samples FMP-PS-03-028, 029, & 030 are composites of entire boring.

FERNALD/03-04A.DRW/mb/8-6-93

-5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-05 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481658.38, 1378073.25	DATE OF COMPLETION: 4/9/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-03-054 FMP-PS-03-055	2/2/5/20	19 1/2	2" very dark gray (5YR 3/1) clay, little silt, organic, grass and rootlet, damp 9" very dark gray (5 YR 3/1) CLAY, little silt numerous rootlets, damp 2" very dark gray (10 YR 3/1) CLAY and Silt, damp 6 1/2" very dark gray (5 YR 3/1) CLAY, little silt, damp, rootlets	Cl	NA	140 cpm HNu = ND
2 4	FMP-PS-03-056 FMP-PS-03-057	5/16/21/24	20	20" yellowish brown (10 YR 5/4) CLAY, and Silt, trace coarse to fine sand, some coarse to fine gravel, damp rootlets, at 3 ft. pocket of very dark gray (10 YR 3/1) clay and silt	Cl	NA	40 cpm HNu = ND
4 6	FMP-PS-03-058 FMP-PS-03-059	5/6/13/16	21	10" brown (10 YR 3/3) CLAY, little silt damp rootlets 11" yellowish brown (10 YR 5/6) clay and silt, damp trace of gravel trace (-) rootlets.	Cl	NA	84 cpm HNu = ND
6 8	NA	5/10/12/3	0	No recovery	NA	NA	No readings HNu = ND
8 10	FMP-PS-03-060 FMP-PS-03-061	1/0/0/0	19	Predominately light brownish gray (10 YR 6/12) with occasional layers of white (10 YR 8/1) and light gray (10 YR 7/2) toward bottom 4" layers (1/8" thick) of dark gray brown (10 YR 4/2), Clay and Silt saturated	Cl	NA	150 cpm HNu = ND
10 12	FMP-PS-03-062 FMP-PS-03-063	Weight of Hammer	21	8" brown (10 YR 5/3) with yellowish red (5YR 4/6) mixed throughout, 13" same as 8"-10" sample with dark gray brown (10 YR 4/2) layers (1/8" thick toward bottom 3"	Cl	NA	600 cpm HNu = ND
12 14	FMP-PS-03-064 FMP-PS-03-065	2/2/1/1	21	Predominately light brownish gray (10 YR 6/2) with layers of white (10 YR 8/1) and light gray (10 YR 7/2) throughout (12 1/2" brown (10 YR 5/3) silted clay layers) predominately clay and silt saturated	Cl	NA	600 cpm HNu = ND

NOTES:
Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.
Samples FMP-PS-03-051, 052, 053 are composites of the entire boring

cpm - counts per minute

FERNALD/WEL0305.DRW/ll/8-7-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-05 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481658.38,1378073.25	DATE OF COMPLETION: 4/9/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	FMP-PS-03-066 FMP-PS-03-067	1/1/1/1	19 1/2	Same as above, with little more white (10 YR 8/1). At 12" and 16", layers of (10 YR 4/2) brown clay occurs with organic material (grass) saturated	Cl	NA	300 cpm HNu = ND
16 18	FMP-PS-03-068 FMP-PS-03-069	1/1/1/0	22	Same as above, white (10 YR 8/1) at bottom has verticle dark lines and a trace of yellow (5 Y 7/6) saturated	Cl	NA	700 cpm HNu = ND
18 20	FMP-PS-03-070 FMP-PS-03-071	1/0/0/0	22	4" same as above 18" predominately white (5 Y 8/1) and light gray (5y 7/1) with little pale red (2.5 YR 6/2) and trace yellow (5Y 7/6) in blotches throughout clay and silt, saturated	Cl	NA	700 cpm HNu = ND
				Total Depth = 20 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-03-051, 052, 053 are composites of the entire boring

cpm - counts per minute

FERNALD/WEL0305a.DRW/9/6-7-93

5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-06 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481765.16,1378191.25	DATE OF COMPLETION: 4/10/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	6/7/ 17/21	16	Dark brownish-gray (10YR 4/6) CLAY (~10") grading downwards into brown-black (~6") (10YR 2/2) sandy siltstone (fly ash ?); clay contains minor rootlets and other organics, moist to very moist; medium stiff.	Cl	NA	140 cpm
2 4	NA	10/9/ 7/6	16	Dark brown-black (10YR 2/2) sandy siltstone (fly ash) moist; minor (0-5%) dark brownish-gray (10YP 4/6) clay with trace organics - rootlets, medium stiff.	Ml	NA	100 cpm
4 6	NA	4/2/ 1/0	0	Apparently the interface in between the clay cover and underlying sludge is indicated by this no recovery, as represented at the other borehole sites (#4, #5, #3) on pit 3.	NA	NA	No reading
6 8	NA	Weight of hammer	15	Reddish-brown (2.5 YR 5/8) clay material (Sludge ?) with large (.5 to 1") rock (?) or maybe shale clasts (~0-8%), moist to very moist, soft.	OT	NA	2200 cpm (red sludge)
8 10	NA	1/2/ 1/3	13	Dark brownish-gray (10YR 4/6) organics (?) clay with small (1/8 to 1/4") rock or shale (?) clasts (0-5%) grading downward into silty dark brownish-gray (10YR 4/6) clay; 2-4 inches black (10YR 2/2) fly ash near bottom; trace reddish brown (2.5YR 5/8) clayey material; very moist to moist, trace organics (?), soft.	Cl	NA	200 cpm (brown clay) 600 cpm (red material)
10 12	NA	1/2/ 3/3	18.5	Dark brown (10YR 4/6) clay (~60%) grading downwards in black (10YR 2/2) silty fly ash (?); 0-6%, 1/4 to 1/2 inch rock clasts, minor reddish brown (2.5YR 5/8) clayey material presumably sludge (?), moist to very moist, soft.	Cl	NA	900 cpm (red material) 200 cpm (black material) 300 cpm (black material)
12 14	NA	4/6/ 6/6	16	Dark brownish-gray (10YR 4/6) clay (~80-90%) with large rock (.5 to 1.5") clasts; minor (0-10%) dark brown-black (10YR 2/2) silty fly ash (?) trace (0-5%) reddish-brown (2.5YR 5/8) clayey (sludge ?) material; moist, apparently the borehole has penetrated the upper parts of the bottom liner of Pit 3, B #36 presumably the uppermost edge or surface of the liner.	Cl	NA	250 cpm (red material) 1200 cpm (brown clay)

Total Depth = 14 Ft.

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #46, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T

Samples FMP-PS-07-072, 073, & 074 are composites of entire boring.

FERNALD/03-08.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 03-07 ENGIN./GEOLOGIST: E. MIGNARDOT DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481710.81,1378349.88	DATE OF COMPLETION: 4/13/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	NA	4/9/ 4/2	20	Dark grayish-brown (10YR 4/3) clay (~5") containing roots and minor organic material; clay underlain by very dark brown to black (10YR 2/1) sandy siltstone (fly ash ?) ~6 inches which is in turn underlain by ~4 inches reddish brown (2.5YR 5/8) clayey material (sludge ?) moist; medium stiff.	NA	NA	2100 cpm (red material) 300 cpm (black material) 150 cpm (brown clay)
2 4	NA	2/1/ 3/4	15	Reddish-brown (2.5YR 5/8) clayey material (sludge) ~60-70%, 20-40% dark brown to black (10YR 2/1) sandy siltstone (fly ash ?) trace dark grayish brown (10YR 4/3) clay moist, soft.	OT	NA	1300 cpm (red sludge) 1100 cpm (black fly ash) 1100 cpm (brown clay)
4 6	NA	3/1/ 3/5	22	12 inches reddish-brown (2.5YR 5/8) clayey material (sludge ?) probably 60-70% underlain by ~8 to 10 inches black (10YR 2/1) fly ash sandy siltstone, moist, soft.	OT	NA	2000 cpm (red sludge) 1200 cpm (black fly ash)
6 8	NA	5/5/ 7/7	22	Reddish borwn (2.5YR 5/8) clayey material (sludge); very moist to wet, minor 10-30% sandy siltystone fly ash (?) minor 10-15% dark garyish brown (10YR 4/3) clay with intermixed lime green material (uranium flouride mixture).	NA	NA	870 cpm (overall) 1000 cpm (green material)
8 10	NA	3/4/ 5/7	18	Dark grayish-brown (10YR 4/3) clay with minor intermixed lime green uranium fluoride (green salt); wet to very moist; minor sandy silt (0-4%) sandy silt of a dark brown to black (10YR 2/1) color, soft.	CI	NA	9000 cpm (green salt) 1000 cpm (brown clay)
10 12	NA	4/4/ 4/7	24	Dark grayish-brown (10YR 4/3) clay with .5-1 inch rock clasts; moist, apparantly this interval is at the top of the clay liner, soft, trace silt.	CI	NA	T2400 cpm B 350 cpm
				Total Depth = 12 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #46, Field Sampling Log Book #42A.

T - Top of sample B - Bottom of sample

cpm - counts per minute

Samples FMP-PS-03-109, 110, and 111 are composites of entire boring.

FERNALD/03-07.DRW/mb/8-6-93

FERNALD - RI/FS

5129

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1770	COORDINATES: NORTH 481,680.61 EAST 1,378,159.99	DATE: 08/11/91
GROUND ELEVATION: 587.67	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/11/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/12/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 5

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63320	08/11/91 0913	4	6	MEDIUM DENSE (10YR 5/8) YELLOWISH BROWN SILTY CLAY, MODERATE COHESION & PLASTICITY, SLIGHTLY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =200 cpm
1.0	63321	08/11/91 0913	7	6	MEDIUM DENSE (10YR 5/8) YELLOWISH BROWN SILTY CLAY, MODERATE COHESION & PLASTICITY, SLIGHTLY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =200 cpm
1.5	63322	08/11/91 0913	9	3	LOOSE (10YR 2/1) BLACK FINE SAND, MODERATE TO POOR COHESION, SLIGHTLY MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =1500 cpm
2.0	63323	08/11/91 0913	18	0	NO RECOVERY.			
2.5	63324	08/11/91 0916	5	6	MEDIUM DENSE (10YR 2/1) BLACK MEDIUM TO FINE SAND, MODERATE COHESION, SLIGHTLY MOIST TO MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =200 cpm
3.0	63325	08/11/91 0916	7	6	MEDIUM DENSE (10YR 2/1) BLACK MEDIUM TO FINE SAND, MODERATE COHESION, SLIGHTLY MOIST TO MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =200 cpm
3.5	63326	08/11/91 0916	4	6	MEDIUM DENSE (10YR 2/1) BLACK MEDIUM TO FINE SAND, MODERATE COHESION, SLIGHTLY MOIST TO MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =200 c
4.0	63327	08/11/91 0916	3	6	MEDIUM DENSE (10YR 2/1) BLACK MEDIUM TO FINE SAND, MODERATE COHESION, SLIGHTLY MOIST TO MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =200 c
6.0	63328	08/11/91 0928		24	SHELBY TUBE PUSHED 24" FULL RECOVERY.			
6.5	63329	08/11/91 0944	1	6	LOOSE (10YR 2/1) BLACK MEDIUM SAND WITH SPARSE ANGULAR GRAVEL POOR COHESION, VERY WET.	SC	NA NA	βΓ =500 cpm
7.0	63330	08/11/91 0944	2	6	LOOSE (10YR 2/1) BLACK MEDIUM SAND WITH SPARSE ANGULAR GRAVEL POOR COHESION, VERY WET.	SC	NA NA	βΓ =1000 cpm
7.5	63331	08/11/91 0944	1	3	LOOSE (10YR 2/1) BLACK MEDIUM SAND WITH SPARSE ANGULAR GRAVEL POOR COHESION, VERY WET.	SC	NA NA	βΓ =120 cpm
8.0	63332	08/11/91 0944	1	0	NO RECOVERY.			
8.5	63333	08/11/91 0952	1	0	NO RECOVERY.			
9.0	63334	08/11/91 0952	1	0	NO RECOVERY.			
9.5	63335	08/11/91 0952	1	0	NO RECOVERY.			
10.0	63336	08/11/91 0952	1	0	NO RECOVERY.			

NOTES:

400

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1770	COORDINATES: NORTH 481,680.61 EAST 1,378,159.99	DATE: 08/11/91
GROUND ELEVATION: 587.67	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/11/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/12/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 5

DEPTH	SAMPLE DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
10.5	63337 08/11/91 1012	1	6	DENSE (2.5Y 4/3) OLIVE BROWN CLAY, MODERATE COHESION, MOIST.	ML	NA	Hnu=0 ppm α =0 cpm βΓ =500 cpm
11.0	63338 08/11/91 1012	1	6	SOFT (10YR 4/8) RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, GOOD COHESION, MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
11.5	63339 08/11/91 1012	1	0	NO RECOVERY.			
12.0	63340 08/11/91 1012	1	0	NO RECOVERY.			
12.5	63341 08/11/91 1019	1	6	SOFT (10N 4/8) RED CLAY LIKE MATERIAL PASTEY CONSISTENCY, GOOD COHESION, MOIST.			Hnu=0 ppm α =0 cpm βΓ =350 cpm
13.0	63342 08/11/91 1019	1	0	NO RECOVERY.			
13.5	63343 08/11/91 1019	1	0	NO RECOVERY.			
14.0	63344 08/11/91 1019	1	0	NO RECOVERY.			
14.5	63345 08/11/91 1030	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL MOTTLED WITH BLACK & BROWN MATERIAL, PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			βΓ =1000 cpm
15.0	63346 08/11/91 1030	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL MOTTLED WITH BLACK & BROWN MATERIAL, PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			βΓ =1000 cpm
15.5	63347 08/11/91 1030	1	6	VERY LOOSE (10YR 4/8) RED CLAY-LIKE MATERIAL MOTTLED WITH BLACK & BROWN MATERIAL. PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
16.0	63348 08/11/91 1030	1	6	VERY LOOSE (10YR 4/8) RED CLAY-LIKE MATERIAL MOTTLED WITH BLACK & BROWN MATERIAL. PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =400 cpm
16.5	63349 08/11/91 1332	1	6	VERY LOOSE (10YR 4/8) RED CLAY-LIKE MATERIAL. GOOD COHESION & PLASTICITY, A PASTEY TO PUDDING-LIKE CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =2200 cpm
17.0	63350 08/11/91 1332	1	6	VERY LOOSE (10YR 4/8) RED CLAY-LIKE MATERIAL. GOOD COHESION & PLASTICITY, A PASTEY TO PUDDING-LIKE CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =4500 cpm
17.5	63351 08/11/91 1332	1	6	VERY LOOSE (10YR 4/8) RED CLAY-LIKE MATERIAL. GOOD COHESION & PLASTICITY, A PASTEY TO PUDDING-LIKE CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =2500 cpm
18.0	63352 08/11/91 1332	1	6	VERY LOOSE (10YR 4/8) RED CLAY-LIKE MATERIAL. GOOD COHESION & PLASTICITY, A PASTEY TO PUDDING-LIKE CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =2000 cpm
18.5	63353 08/11/91 1340	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY-LIKE MATERIAL MOTTLED WITH (2.5Y 6/4) LIGHT YELLOWISH BROWN MATERIAL, POOR CONSISTENCY, GOOD PLASTICITY, PUDDING-LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βΓ =1100 cpm

NOTES:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1770	COORDINATES: NORTH 481,680.61 EAST 1,378,159.99	DATE: 08/11/91
GROUND ELEVATION: 587.67	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/11/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/12/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 5

DEPTH	SAMPLE / DATE / TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
19.0	63354 08/11/91 1340	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY-LIKE MATERIAL MOTTLED WITH (2.5Y 6/4) LIGHT YELLOWISH BROWN MATERIAL, POOR CONSISTENCY, GOOD PLASTICITY, PUDDING-LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βΓ =1100 cpm
19.5	63355 08/11/91 1340	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY-LIKE MATERIAL MOTTLED WITH (2.5Y 6/4) LIGHT YELLOWISH BROWN MATERIAL, POOR CONSISTENCY, GOOD PLASTICITY, PUDDING-LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βΓ =1100 cpm
20.0	63356 08/11/91 1340	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY-LIKE MATERIAL MOTTLED WITH (2.5Y 6/4) LIGHT YELLOWISH BROWN MATERIAL, POOR CONSISTENCY, GOOD PLASTICITY, PUDDING-LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
22.0	63357 08/11/91 1410		24	24" SHELBY TUBE PUSHED. 24" RECOVERY.			
22.5	63358 08/11/91 1425	1		VERY LOOSE (2.5Y 4/8) RED CLAY-LIKE MATERIAL PUDDING CONSISTENCY, VERY MOIST.			Hnu=8 ppm βΓ =1500 cpm
23.0	63359 08/11/91 1425	1	6	VERY LOOSE (2.5Y 4/8) RED MOTTLED WITH (2.5Y 6/3) LIGHT YELLOWISH BROWN CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, VERY MOIST.			Hnu=17 ppm α =0 cpm βΓ =1500 cpm
23.5	63360 08/11/91 1425	1	6	VERY LOOSE (2.5Y 4/8) RED MOTTLED WITH (2.5Y 6/3) LIGHT YELLOWISH BROWN CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, VERY MOIST.			Hnu=5 ppm α =0 cpm βΓ =1100 c
24.0	63361 08/11/91 1425	1	6	LOOSE (10YR 7/1) LIGHT GRAY CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, MOIST.			Hnu=2 ppm α =0 cp βΓ =800
24.5	63362 08/11/91 1520	1	6	VERY LOOSE (2.5Y 4/8) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =2000 cpm
25.0	63363 08/11/91 1520	1	6	VERY LOOSE (2.5Y 4/8) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =2000 cpm
25.5	63364 08/11/91 1520	1	6	VERY LOOSE (2.5Y 4/8) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1700 cpm
26.0	63365 08/11/91 1520	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
26.5	63366 08/11/91 1540	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, GOOD PLASTICITY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =700 cpm
27.0	63367 08/11/91 1540	1	6	VERY LOOSE (10YR 7/3) VERY PALE BROWN CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
27.5	63368 08/11/91 1540	1	6	VERY LOOSE (2.5YR 3/6) DARK RED WITH THIN LAYERS (1/16") OF LIGHT GRAY MATERIAL PASTEY CONSISTENCY. MOIST TO VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
28.0	63369 08/11/91 1540	1	6	VERY LOOSE (2.5YR 3/6) DARK RED WITH THIN LAYERS (1/16") OF LIGHT GRAY MATERIAL PASTEY CONSISTENCY. MOIST TO VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
30.0	63370 08/11/91 1600		24	SHELBY TUBE PUSHED 24". FULL RECOVERY.			

NOTES:

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GROUND ELEVATION: 587.67	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/11/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/12/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 4 OF 5

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
30.5	63371 08/11/91 1610		1	6	VERY LOOSE (2.5YR 4/6) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
31.0	63372 08/11/91 1610		1	6	VERY LOOSE (2.5YR 4/6) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
31.5	63373 08/11/91 1610		1	6	VERY LOOSE (2.5YR 4/6) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
32.0	63374 08/11/91 1610		1	6	VERY LOOSE (2.5YR 4/6) RED CLAY-LIKE MATERIAL. PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
32.5	63375 08/12/91 0825		1	6	VERY LOOSE (2.5YR 5/8) RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
33.0	63376 08/12/91 0825		1	6	VERY LOOSE (2.5YR 5/8) RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=7 ppm α =0 cpm βΓ =1000 cpm
33.5	63377 08/12/91 0825		1	6	VERY LOOSE (2.5YR 5/8) RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=10 ppm α =0 cpm βΓ =1000 cpm
34.0	63378 08/12/91 0825		1	6	VERY LOOSE (10YR 7/3) VERY PALE BROWN CLAY LIKE MATERIAL, PASTEY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
34.5	63379 08/12/91 0835		1	6	VERY LOOSE (2.5YR 5/8) RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST TO WET.			Hnu=5 ppm α =0 cpm βΓ =800 cpm
35.0	63380 08/12/91 0835		1	6	VERY LOOSE (2.5YR 5/8) RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST TO WET.			Hnu=2 ppm α =0 cpm βΓ =900 cpm
35.5	63381 08/12/91 0835		1	6	VERY LOOSE (2.5YR 5/8) RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST TO WET.			Hnu=4 ppm α =0 cpm βΓ =900 cpm
36.0	63382 08/12/91 0835		1	6	VERY LOOSE (2.5YR 5/8) RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST TO WET.			Hnu=2 ppm α =0 cpm βΓ =900 cpm
36.5	63383 08/12/91 0845		1	6	VERY LOOSE (7.5YR 6/8) REDDISH YELLOW CLAY LIKE MATERIAL, PUDDING LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βΓ =1700 cpm
37.0	63384 08/12/91 0845		1	6	VERY LOOSE (7.5YR 6/8) REDDISH YELLOW CLAY LIKE MATERIAL, PUDDING LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βΓ =1700 cpm

NOTES:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1770	COORDINATES: NORTH 481,680.61 EAST 1,378,159.99	DATE: 08/11/91
GROUND ELEVATION: 587.67	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/11/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/12/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 5 OF 5

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
37.5	63385	08/12/91 0845	1	6	VERY LOOSE (7.5YR 6/8) REDDISH YELLOW CLAY LIKE MATERIAL, PUDDING LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
38.0	63386	08/12/91 0845	1	6	VERY LOOSE (7.5YR 6/8) REDDISH YELLOW CLAY LIKE MATERIAL, PUDDING LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
38.5	63387	08/12/91 0855	1	6	VERY LOOSE (2.5Y 5/8) RED CLAYEY MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
39.0	63388	08/12/91 0855	1	6	VERY LOOSE (2.5Y 8/3) PALE YELLOW CLAYEY MATERIAL, PASTEY, MOIST.			Hnu=1 ppm α =0 cpm βΓ =1400 cpm

BOTTOM OF BORING 39.0

NOTES:

VISUAL CLASSIFICATION OF SOILS

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PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1771	COORDINATES: NORTH 481,638.22 EAST 1,378,298.05	DATE: 08/13/91
GROUND ELEVATION: 589.62	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/13/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/14/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 5

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63400	08/13/91 0938	6	6	MEDIUM DENSE (7.5YR 4/4) DARK BROWN SILTY CLAY, SOME SPARSE ANGULAR GRAVEL & ORGANIC MATERIAL (ROOTLETS), MODERATE COHESION & PLASTICITY, SLIGHTLY MOIST.	ML	NA	Hnu=0 ppm α =0 cpm βΓ =200 cpm
1.0	63401	08/13/91 0938	9	6	MEDIUM DENSE (7.5YR 4/4) DARK BROWN SILTY CLAY, SOME SPARSE ANGULAR GRAVEL & ORGANIC MATERIAL (ROOTLETS), MODERATE COHESION & PLASTICITY, SLIGHTLY MOIST.	ML	NA	Hnu=0 ppm α =0 cpm βΓ =280 cpm
1.5	63402	08/13/91 0938	11	6	LOOSE (7.5YR N2/) BLACK MEDIUM SAND POOR COHESION, NO PLASTICITY, SLIGHTLY MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =260 cpm
2.0	63403	08/13/91 0938	13	0	NO RECOVERY.			
2.5	63404	08/13/91 0942	7	6	LOOSE (7.5YR N2/) BLACK MEDIUM SAND, POOR COHESION, NO PLASTICITY, SLIGHTLY MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =180 cpm
3.0	63405	08/13/91 0942	6	6	LOOSE (7.5YR N2/) BLACK MEDIUM SAND, POOR COHESION, NO PLASTICITY, SLIGHTLY MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =280 cpm
3.5	63406	08/13/91 0942	2	6	MEDIUM DENSE (10YR 5/8) RED CLAY-LIKE MATERIAL. GOOD COHESION & PLASTICITY. PUTTY-LIKE CONSISTENCY.			Hnu=0 ppm α =0 cpm βΓ =1800 cpm
4.0	63407	08/13/91 0942	2	0	NO RECOVERY.			
6.0	63408	08/13/91 0949		0	SHELBY TUBE PUSHED 24", NO RECOVERY.			
6.5	63409	08/13/91 0953	1	6	MEDIUM DENSE (10R 5/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PUTTY LIKE CONSISTENCY, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1800 cpm
7.0	63410	08/13/91 0953	1	6	MEDIUM DENSE (10R 5/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PUTTY LIKE CONSISTENCY, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1800 cpm
7.5	63411	08/13/91 0953	1	6	MEDIUM DENSE (10R 5/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PUTTY LIKE CONSISTENCY, SLIGHTLY MOIST.			Hnu=2 ppm α =0 cpm βΓ =1800 cpm
8.0	63412	08/13/91 0953	1	6	MEDIUM DENSE (10R 5/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PUTTY LIKE CONSISTENCY, SLIGHTLY MOIST.			Hnu=6 ppm α =0 cpm βΓ =1800 cpm
8.5	63413	08/13/91 1000	1	6	MEDIUM DENSE (10R 5/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PUTTY LIKE CONSISTENCY, SLIGHTLY MOIST.			Hnu=3 ppm α =0 cpm βΓ =1000 cpm
9.0	63414	08/13/91 1000	1	6	MEDIUM DENSE (10R 5/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PUTTY LIKE CONSISTENCY, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
9.5	63415	08/13/91 1000	1	6	MEDIUM DENSE (10R 5/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PUTTY LIKE CONSISTENCY, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
10.0	63416	08/13/91 1000	1	6	MEDIUM DENSE (10R 5/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PUTTY LIKE CONSISTENCY, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm

NOTES:

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1771	COORDINATES: NORTH 481,638.22 EAST 1,378,298.05	DATE: 08/13/91
GROUND ELEVATION: 589.62	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/13/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/14/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 5

DEPTH	SAMPLE DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
10.5	63417 08/13/91 1030	1	0	NO RECOVERY.			
11.0	63418 08/13/91 1030	2	0	NO RECOVERY.			
11.5	63419 08/13/91 1030	3	0	NO RECOVERY.			
12.0	63420 08/13/91 1030	1	0	NO RECOVERY.			
12.5	63421 08/13/91 1045	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1500 cpm
13.0	63422 08/13/91 1045	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1500 cpm
13.5	63423 08/13/91 1045	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =2000 cp
14.0	63424 08/13/91 1045	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =2000 cp
14.5	63425 08/13/91 1056	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1000 cpm
15.0	63426 08/13/91 1056	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1200 cpm
15.5	63427 08/13/91 1056	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1200 cpm
16.0	63428 08/13/91 1056	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1200 cpm
16.5	63429 08/13/91 1105	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =900 cpm
17.0	63430 08/13/91 1105	1	6	VERY LOOSE (10R 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1100 cpm
17.5	63431 08/13/91 1105	1	6	VERY LOOSE (2.5Y 3/2) VERY DARK GRAYISH BROWN CLAY LIKE MATERIAL, POOR COHESION & PLASTICITY, GOOD PUDDING LIKE CONSISTENCY, WET.			Hnu=20 ppm α =0 cpm βγ =1100 cpm
18.0	63432 08/13/91 1105	1	6	VERY LOOSE (2.5Y 3/2) VERY DARK GRAYISH BROWN CLAY LIKE MATERIAL, POOR COHESION & PLASTICITY, GOOD PUDDING LIKE CONSISTENCY, WET.			Hnu=30 ppm α =0 cpm βγ =1000 cpm
18.5	63433 08/13/91 1110	1	6	VERY LOOSE (2.5Y 3/2) VERY DARK GRAYISH BROWN CLAY LIKE MATERIAL, POOR COHESION & PLASTICITY, GOOD PUDDING LIKE CONSISTENCY, WET.			Hnu=0 ppm α =0 cpm βγ =1900 cp

NOTES:

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1771	COORDINATES: NORTH 481,638.22 EAST 1,378,298.05	DATE: 08/13/91
GROUND ELEVATION: 589.62	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/13/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/14/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 5

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
19.0	63434	08/13/91 1110	1	6	VERY LOOSE (2.5Y 4/4) OLIVE BROWN MOTTLED WITH BLACK CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
19.5	63435	08/13/91 1110	1	6	VERY LOOSE (2.5Y 4/4) OLIVE BROWN MOTTLED WITH BLACK CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1100 cpm
20.0	63436	08/13/91 1110	1	6	VERY LOOSE (2.5Y 4/4) OLIVE BROWN MOTTLED WITH BLACK CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
20.5	63437	08/13/91 1405	1	6	VERY LOOSE (2.5Y 4/4) OLIVE BROWN MOTTLED WITH BLACK CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =600 cpm
21.0	63438	08/13/91 1405	1	6	VERY LOOSE (10YR 8/2) WHITE STREAKED WITH DARK BROWN & BLACK CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=1 ppm α =0 cpm βΓ =1200 cpm
21.5	63439	08/13/91 1405	1	6	VERY LOOSE (10YR 8/2) WHITE STREAKED WITH DARK BROWN & BLACK CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
22.0	63440	08/13/91 1405	1	6	VERY LOOSE (10YR 8/2) WHITE STREAKED WITH DARK BROWN & BLACK CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
24.0	63441	08/13/91 1410		0	SHELBY TUBE PUSHED 24", NO RECOVERY.			
24.5	63442	08/13/91 1433	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY-LIKE MATERIAL, GOOD COHESION AND PLASTICITY. PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =400 cpm
25.0	63443	08/13/91 1433	1	6	VERY LOOSE (10YR 2/1) BLACK SAND GRADING INTO (5Y 8/1) WHITE CLAY-LIKE MATERIAL WITH SOME YELLOW. PASTEY CONSISTENCY, MOIST.			Hnu=2 ppm α =0 cpm βΓ =490 cpm
25.5	63444	08/13/91 1433	1	6	VERY LOOSE (10YR 5/4) YELLOWISH BROWN STREAKED WITH (10YR 8/2) WHITE CLAY LIKE MATERIAL, PASTEY CONSISTENCY, MOIST.			Hnu=1 ppm α =0 cpm βΓ =600 cpm
26.0	63445	08/13/91 1433	1	6	VERY LOOSE (10YR 5/4) YELLOWISH BROWN STREAKED WITH (10YR 8/2) WHITE CLAY LIKE MATERIAL, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =600 cpm
26.5	63446	08/13/91 1442	1	6	VERY LOOSE (5Y 8/1) WHITE STREAKED WITH BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
27.0	63447	08/13/91 1442	1	6	VERY LOOSE (5Y 8/1) WHITE STREAKED WITH BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
27.5	63448	08/13/91 1442	1	6	VERY LOOSE (10YR 4/6) DARK YELLOWISH BROWN (CARAMEL CANDY) STREAKED WITH THIS LAYERS OF BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
28.0	63449	08/13/91 1442	1	6	VERY LOOSE (10YR 4/6) DARK YELLOWISH BROWN (CARAMEL CANDY) STREAKED WITH THIS LAYERS OF BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
28.5	63450	08/13/91 1449	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm

NOTES:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1771	COORDINATES: NORTH 481,638.22 EAST 1,378,298.05	DATE: 08/13/91
GROUND ELEVATION: 589.62	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/13/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/14/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 4 OF 5

DEPTH	SAMPLE DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
29.0	63451 08/13/91 1449	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
29.5	63452 08/13/91 1449	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY LIKE MATERIAL, GOOD COHESION & PLASTICITY, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
30.0	63453 08/13/91 1449	1	6	VERY LOOSE (5Y 8/11) WHITE STREAKED WITH SOME BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
30.5	63454 08/13/91 1515	1	6	VERY LOOSE (10YR 7/4) VERY PALE BROWN STREAKED WITH BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
31.0	63455 08/13/91 1515	1	6	VERY LOOSE (10YR 7/4) VERY PALE BROWN STREAKED WITH BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =600 cpm
31.5	63456 08/13/91 1515	1	6	VERY LOOSE (10YR 7/4) VERY PALE BROWN STREAKED WITH BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =700 cpm
32.0	63457 08/13/91 1515	1	6	VERY LOOSE (10YR 7/4) VERY PALE BROWN STREAKED WITH BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =600 cr
34.0	63458 08/13/91 1523		24	SHELBY TUBE PUSHED 24". FULL RECOVERY.			
34.5	63459 08/13/91 1530	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY LIKE MATERIAL STREAKED WITH BLACK & SPARSE (5Y 8/4) PALE YELLOW MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =500 cpm
35.0	63460 08/13/91 1530	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY LIKE MATERIAL STREAKED WITH BLACK & SPARSE (5Y 8/4) PALE YELLOW MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
35.5	63461 08/13/91 1530	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY LIKE MATERIAL STREAKED WITH BLACK & SPARSE (5Y 8/4) PALE YELLOW MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
36.0	63462 08/13/91 1530	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY LIKE MATERIAL STREAKED WITH BLACK & SPARSE (5Y 8/4) PALE YELLOW MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
36.5	63463 08/13/91 1550	1	6	VERY LOOSE (2.5YR 4/8) RED CLAY LIKE MATERIAL STREAKED WITH BLACK & SPARSE (5Y 8/4) PALE YELLOW MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =600 cpm
37.0	63464 08/13/91 1550	1	6	VERY LOOSE (10YR 4/6) DARK YELLOWISH BROWN (CARAMEL) PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =400 cpm
37.5	63465 08/13/91 1550	1	6	VERY LOOSE (10YR 4/6) DARK YELLOWISH BROWN (CARAMEL) PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =600 cpm
38.0	63466 08/13/91 1550	1	6	VERY LOOSE (5Y 2.5/1) BLACK CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
38.5	63467 08/13/91 1600	1	6	VERY LOOSE (10YR 4/6) DARK YELLOWISH BROWN (CARAMEL) PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =800 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1771	COORDINATES: NORTH 481,638.22 EAST 1,378,298.05	DATE: 08/13/91
GROUND ELEVATION: 589.62	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/13/91
ENGINEER/GEOLOGIST: HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/14/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 5 OF 5

DEPTH	SAMPLE	DATE	TIME	BLOWS ON	SAMPLE	RECOVERY	INCHES		USCS SYMBOL	TSF	REMARKS
39.0	63468	08/13/91	1600	1		6		VERY LOOSE (10YR 4/6) DARK YELLOWISH BROWN (CARAMEL) PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =900 cpm
39.5	63469	08/13/91	1600	1		6		VERY LOOSE (10YR 4/6) DARK YELLOWISH BROWN (CARAMEL) PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
40.0	63470	08/13/91	1600	1		6		VERY LOOSE (10YR 4/6) DARK YELLOWISH BROWN (CARAMEL) PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
40.5	63471	08/14/91	0825	1				VERY LOOSE (2.5YR 6/8) LIGHT RED CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =3500 cpm
41.0	63472	08/14/91	0825	6				VERY LOOSE (10YR 7/4) VERY PALE BROWN CLAY LIKE MATERIAL, PASTEY CONSISTENCY, VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =3000 cpm

BOTTOM OF BORING 41.0

NOTES:
WELL SET AT 41.0 . NO LINER ENCOUNTERED.

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1772	COORDINATES: NORTH 481,771.63 EAST 1,378,500.36	DATE: 08/07/91
GROUND ELEVATION: 583.43	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/07/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/08/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 4

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63240	08/07/91	0905	4	6	MEDIUM DENSE (2.5Y 4/4) OLIVE BROWN SILT, ROOTLETS AT THE TOP, GOOD COHESION & PLASTICITY, MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =100 cpm
1.0	63241	08/07/91	0905	11	6	MEDIUM DENSE (2.5Y 4/4) OLIVE BROWN SILT. ROOTLETS AT THE TOP. GOOD COHESION & PLASTICITY, MOIST.	CL	NA NA NA	Hnu=0 ppm α =0 cpm βΓ =100 cpm
1.5	63242	08/07/91	0905	16	6	MEDIUM DENSE (2.5Y N2/) BLACK, FINE SAND WITH A NODULE OF CLEAR CRYSTATILEN MATERIAL (8000 CPM) MODERATE COHESION, POOR PLASTICITY, MOIST.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =2300-800cpm
2.0	63243	08/07/91	0915	18	6	VERY DENSE (2.5Y N2) BLACK FINE SAND OVERLYING WOOD.			Hnu=0 ppm α =0 cpm βΓ =2000 cpm
2.5	63244	08/07/91	0915	11	0	NO RECOVERY - WOOD.			
3.0	63245	08/07/91	0915	10	0	NO RECOVERY.			
3.5	63246	08/07/91	0925	40	0	NO RECOVERY - WOOD.			
4.5	63247	08/07/91	0940		0	SHELBY TUBE PUSHED 12" UNTIL RESISTANCE WAS MET. NO RECOVERY.			
5.0	63248	08/07/91	0950	40	0	NO RECOVERY - WOOD.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
5.5	63249	08/07/91	0950	80	0	NO RECOVERY - WOOD.			Hnu=3 ppm α =0 cpm βΓ =1200 cpm
6.0	63250	08/07/91	1020	30	0	NO RECOVERY - WOOD.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
6.5	63251	08/07/91	1030	30	6	VERY DENSE, (2.5Y N3/) VERY DARK GRAY SILT, INTERMIXED WITH WOOD. POOR COHESION, POOR PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
7.0	63252	08/07/91	1030	55	6	VERY DENSE, (2.5Y N3/) VERY DARK GRAY SILT, INTERMIXED WITH WOOD. POOR COHESION, POOR PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
7.5	63253	08/07/91	1030	27	0	NO RECOVERY.			
8.0	63254	08/07/91	1045	18	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY SILT, WITH MANY WOOD FRAGMENTS, POOR COHESION, WET.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
8.5	63255	08/07/91	1045	12	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY SILT, WITH MANY WOOD FRAGMENTS, POOR COHESION, WET.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
9.0	63256	08/07/91	1045	15	0	NO RECOVERY.			

NOTES:

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1772	COORDINATES: NORTH 481,771.63 EAST 1,378,500.36	DATE: 08/07/91
GROUND ELEVATION: 583.43	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/07/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/08/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
9.5	63257	08/07/91 1110	7	6	MEDIUM DENSE (2.5Y 4/4) OLIVE BROWN CLAY WITH ANGULAR GRAVEL AND WOOD FRAGMENTS, MOIST.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
10.0	63258	08/07/91 1110	6	6	MEDIUM DENSE (2.5Y 4/4) OLIVE BROWN CLAY WITH ANGULAR GRAVEL AND WOOD FRAGMENTS, MOIST.			Hnu=0 ppm α =0 cpm βΓ =2000 cpm
10.5	63259	08/07/91 1110	6	0	NO RECOVERY.			
11.0	63260	08/07/91 1115	10	0	NO RECOVERY - WOOD FRAGMENTS.			
11.5	63261	08/07/91 1115	10	0	NO RECOVERY.			
12.0	63262	08/07/91 1115	9	0	NO RECOVERY.			
12.5	63263	08/07/91 1120	8	0	NO RECOVERY - WOOD FRAGMENTS.			
13.0	63264	08/07/91 1120	6	0	NO RECOVERY.			
13.5	63265	08/07/91 1120	6	0	NO RECOVERY.			
14.0	63266	08/07/91 1130	5	6	MEDIUM DENSE (5Y 3/2) DARK OLIVE GRAY SILT WITH WOOD FRAGMENTS, NO COHESION, VERY WET.			Hnu=0 ppm α =0 cpm βΓ =2000 cpm
14.5	63267	08/07/91 1130	7	6	MEDIUM DENSE (5Y 3/2) DARK OLIVE GRAY SILT WITH WOOD FRAGMENTS, NO COHESION, VERY WET.			Hnu=0 ppm α =0 cpm βΓ =3500 cpm
15.0	63268	08/07/91 1130	8	6	DENSE (2.5Y 4/4) OLIVE BROWN CLAY MOTTLED WITH GRAY CLAY, GOOD COHESION, MOIST.			Hnu=0 ppm α =0 cpm βΓ =2500 cpm
15.5	63269	08/07/91 1435	4	6	LOOSE, (2.5Y 4/3) OLIVE BROWN FINE SAND AND CLAY WITH NODULES OF FLYASH (BLACK), WET.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
16.0	63270	08/07/91 1435	4	6	LOOSE, (2.5Y 4/3) OLIVE BROWN FINE SAND AND CLAY WITH NODULES OF FLYASH (BLACK), WET.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
16.5	63271	08/07/91 1435	5	0	NO RECOVERY.			
17.0	63272	08/07/91 1445	6	6	MEDIUM DENSE (2.5Y 7/6) OLIVE-YELLOW CLAY WITH SILT AND SPARSE GRAVEL, MOIST.			Hnu=0 ppm α =0 cpm βΓ =450 cpm
17.5	63273	08/07/91 1445	5	6	MEDIUM DENSE (5Y 3/3) DARK OLIVE FINE SAND WITH FLYASH (20%), MOIST.			Hnu=0 ppm α =0 cpm βΓ =300 cpm

NOTES:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1772	COORDINATES: NORTH 481,771.63 EAST 1,378,500.36	DATE: 08/07/91
GROUND ELEVATION: 583.43	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/07/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/08/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
18.0	63274	08/07/91 1445	5	6	MEDIUM DENSE (5Y 3/3) DARK OLIVE FINE SAND WITH FLYASH (20%), MOIST.			Hnu=0 ppm α =0 cpm βΓ =250 cpm
18.5	63275	08/07/91 1450	6	6	MEDIUM DENSE (5Y 4/3) OLIVE SILT WITH SPARSE SAND, LOW COHESION, WET.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =1800 cpm
19.0	63276	08/07/91 1450	6	6	MEDIUM DENSE (5Y 4/3) OLIVE SILT WITH SPARSE SAND, LOW COHESION, WET.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
19.5	63277	08/07/91 1450	5	6	MEDIUM DENSE, (5Y 2.5/1) BLACK, FINE SAND WITH ROOTLETS - MEDIUM COHESION, MOIST, PROBABLY FLYASH.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
22.0	63278	08/07/91 1525		12	SHELBY TUBE COLLECTED 12 INCHES RECOVERY.			
22.5	63279	08/07/91 1645	2	6	LOOSE (5Y 2.5/1) BLACK FINE TO MEDIUM SAND, POOR COHESION, WET.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =1200 cpm
23.0	63280	08/07/91 1645	3	6	LOOSE (5Y 2.5/1) BLACK FINE TO MEDIUM SAND, POOR COHESION, WET.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =3000 c
23.5	63281	08/07/91 1645	3	6	LOOSE (5Y 2.5/1) BLACK FINE TO MEDIUM SAND, POOR COHESION, WET.	SC	NA	Hnu=0 ppm α =0 cp βΓ =4000
24.0	63282	08/07/91 1655	5	6	LOOSE (5Y 2.5/1) BLACK FINE TO MEDIUM SAND, POOR COHESION, WET.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =5000 cpm
24.5	63283	08/07/91 1655	5	6	LOOSE (5Y 2.5/1) BLACK FINE TO MEDIUM SAND, POOR COHESION, WET.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =6000 cpm
25.0	63284	08/07/91 1655	5	6	LOOSE (5Y 2.5/1) BLACK FINE TO MEDIUM SAND, POOR COHESION, WET.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =8000 cpm
25.5	63285	08/07/91 1705	7	6	LOOSE, (5Y 2.5/1) BLACK MEDIUM SAND POOR COHESION, VERY WET, SOME ROOTLETS.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
26.0	63286	08/07/91 1705	7	6	LOOSE, (5Y 2.5/1) BLACK MEDIUM SAND POOR COHESION, VERY WET, SOME ROOTLETS.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
26.5	63287	08/07/91 1705	6	0	NO RECOVERY.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
27.0	63288	08/07/91 1720	7	6	LOOSE (5Y 2.5/1) BLACK MEDIUM SAND POOR COHESION, VERY WET.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
27.5	63289	08/07/91 1720	8	6	LOOSE (5Y 2.5/1) BLACK MEDIUM SAND POOR COHESION, VERY WET.	SC	NA	Hnu=0 ppm α =0 cpm βΓ =4000 cpm
28.0	63290	08/07/91 1720	6	0	NO RECOVERY.			Hnu=0 ppm α =0 cpm βΓ =10000 c

NOTES:

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1772	COORDINATES: NORTH 481,771.63 EAST 1,378,500.36	DATE: 08/07/91
GROUND ELEVATION: 583.43	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/07/91
ENGINEER/GEOLOGIST: M. HARRIS	Depth N/A Date/Time N/A	DATE COMPLETED: 08/08/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 4 OF 4

DEPTH	SAMPLE / DATE / TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
28.5	63291 08/08/91 0835	2	6	LOOSE (5Y 2.5/1) BLACK MEDIUM SAND.			Hnu=0 ppm α =0 cpm βγ =1000 cpm
29.0	63292 08/08/91 0835	2	6	SOFT (10YR 7/5) YELLOW CLAY MATERIAL MOTTLED WITH (10YR 8-3) VERY PALE BROWN CLAY-LIKE ATTITUDE, MOIST.			Hnu=0 ppm α =0 cpm βγ =1000 cpm
29.5	63293 08/08/91 0840	2	6	SOFT (10YR 7/5) YELLOW CLAY MATERIAL MOTTLED WITH (10YR 8-3) VERY PALE BROWN CLAY-LIKE ATTITUDE, MOIST.			Hnu=0 ppm α =0 cpm βγ =2000 cpm
30.0	63294 08/08/91 0900	2	6	SOFT (2.5YR 8/4) PALE YELLOW CLAY LIKE MATERIAL, PASTEY CONSISTENCY, SOME WHITE GRANULAR MATERIAL, MOIST.			Hnu=0 ppm α =0 cpm βγ =2400 cpm
30.5	63295 08/08/91 0930	2	6	SOFT (2.5YR 8/4) PALE YELLOW CLAY-LIKE MATERIAL WITH (10YR 4/6) CARMEL COLORED LAYERING INTERSPERSED IN THE MATERIAL. PASTEY CONSISTENCY.			Hnu=0 ppm α =0 cpm βγ =1500 cpm
31.0	63296 08/08/91 0930	3	6	SOFT (2.5YR 8/4) PALE YELLOW CLAY-LIKE MATERIAL WITH (10YR 4/6) CARMEL COLORED LAYERING INTERSPERSED IN THE MATERIAL. PASTEY CONSISTENCY.			Hnu=0 ppm α =0 cpm βγ =1800 cpm
31.5	63297 08/08/91 0935	2	6	SOFT (2.5YR 8/4) PALE YELLOW CLAY-LIKE MATERIAL WITH (10YR 4/6) CARMEL COLORED LAYERING INTERSPERSED IN THE MATERIAL. PASTEY CONSISTENCY.			Hnu=0 ppm α =0 cpm βγ =2500 cpm
32.0	63298 08/08/91 0935	4	6	SOFT (2.5YR 8/4) PALE YELLOW CLAY-LIKE MATERIAL WITH (10YR 4/6) CARMEL COLORED LAYERING INTERSPERSED IN THE MATERIAL. PASTEY CONSISTENCY.			Hnu=0 ppm α =0 cpm βγ =2500 cpm
32.5	63299 08/08/91 0950	2	6	SOFT (10YR 8/4) VERY PALE BROWN, CLAY-LIKE MATERIAL. LOOKS LIKE LIME SLUDGE, MOIST. PASTEY CONSISTENCY.			Hnu=0 ppm α =0 cpm βγ =1800 cpm
33.0	63300 08/08/91 0950	3	6	SOFT (10YR 8/4) VERY PALE BROWN, CLAY-LIKE MATERIAL. LOOKS LIKE LIME SLUDGE, MOIST. PASTEY CONSISTENCY.			Hnu=0 ppm βγ =1800 cpm
33.5	63301 08/08/91 1000	2	6	SOFT (10YR 8/4) VERY PALE BROWN, CLAY-LIKE MATERIAL. LOOKS LIKE LIME SLUDGE, MOIST. PASTEY CONSISTENCY.			Hnu=0 ppm α =0 cpm βγ =3000 cpm
34.0	63302 08/08/91 1000	3	6	SOFT (10YR 8/4) VERY PALE BROWN, CLAY-LIKE MATERIAL. LOOKS LIKE LIME SLUDGE, MOIST. PASTEY CONSISTENCY.			Hnu=0 ppm α =0 cpm βγ =2200 cpm
34.5	63303 08/08/91 1015	2	6	SOFT (7.5YR 5/8) STRONG BROWN CLAY LIKE MATERIAL SHOWING SOME STRATIFICATION, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =2000 cpm
35.0	63304 08/08/91 1015	3	6	SOFT (7.5YR 5/8) STRONG BROWN CLAY LIKE MATERIAL SHOWING SOME STRATIFICATION, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1800 cpm
35.5	63305 08/08/91 1015	4	6	SOFT (7.5YR 5/8) STRONG BROWN CLAY LIKE MATERIAL SHOWING SOME STRATIFICATION, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1200 cpm
36.0	63306 08/08/91 1030	6	6	SOFT (7.5YR 5/8) STRONG BROWN CLAY LIKE MATERIAL SHOWING SOME STRATIFICATION, PASTEY CONSISTENCY, MOIST.			Hnu=0 ppm α =0 cpm βγ =1000 cpm
36.5	63307 08/08/91 1030	20	6	VERY DENSE (5Y 4/2) OLIVE GRAY CLAY WITH SPARSE, ROUNDED GRAVEL.	CL	NA	Hnu=0 ppm α =0 cpm βγ =1000 cpm

BOTTOM OF BORING 36.5

NOTES:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1770
WELL NUMBER: 1770

FIELD ENG./GEO.: HARRIS
CHECKED BY : JRW
N,E COORDINATES: 481680.61, 1378159.9
DATE OF INSTAL.: 08/12/91

DATE: 08/11/91
DATE: 10/02/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITORING WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 5 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 41.0 Ft.
2ND PIPE SECTION: NA Ft.
3RD PIPE SECTION: NA Ft.
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER WITH PADL

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	589.17
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	31.5	587.5	556
Bentonite Pellets	31.5	33.5	556	554
Sand	33.5	39.0	554	548.5
PERFORATED SECTION	34.5	38.5	553	549
WELL TIP	39.0		548.5	
BOTTOM OF BOREHOLE	39.0		548.5	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER BIT DURING WELL INSTALLATION.
COMMENTS:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1771
WELL NUMBER: 1771

FIELD ENG./GEO.: M. HARRIS — DATE: 08/14/91
CHECKED BY : JRW — DATE: 10/02/91
N,E COORDINATES: 481638.22, 1378298.0
DATE OF INSTAL.: 08/14/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITORING WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 43.0
2ND PIPE SECTION: F
3RD PIPE SECTION: NA
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER WITH PADL

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	591.71
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	33.5	N/A	556.2
Bentonite Pellets	33.5	35.5	556.2	554.2
Sand	35.5	41.0	554.2	548.7
PERFORATED SECTION	36.5	40.5	553.2	549.2
WELL TIP	41.0		548.7	
BOTTOM OF BOREHOLE	41.0		548.7	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER BIT DURING WELL INSTALLATION.
COMMENTS:

5129

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1772
WELL NUMBER: 1772

FIELD ENG./GEO.: M. HARRIS DATE: 08/08/91
CHECKED BY : JRW DATE: 10/03/91
N,E COORDINATES: 481771.63, 1378500.3
DATE OF INSTAL.: 08/08/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITOR WELL
CASING DIAM.: 4.0 Ft. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 5 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 38.5 Ft.
2ND PIPE SECTION: Not Noted
3RD PIPE SECTION: Not Noted
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER WITH PADL

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	586.03
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	28.0	583.5	555.5
Bentonite Pellets	28.0	30.0	555.5	553.5
Sand	30.0	36.5	553.5	547
PERFORATED SECTION	31.0	36.0	582.5	547.5
WELL TIP	36.5		547	
BOTTOM OF BOREHOLE	36.5		547	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER BIT DURING WELL INSTALLATION.
COMMENTS:

A.3.1.2

PIT 3
PIT MATERIAL
GEOTECHNICAL RESULTS

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN
-5129

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	MH
PROJECT NO.:	484285	WATER CONTENT, %:	138.7
CUST. SAMPLE NO.:	63357	LIQUID LIMIT:	116.0
ETDC SAMPLE NO.:	ETDC-1318	PLASTICITY INDEX:	61.0
SPECIFIC GRAVITY:	2.8357 (MEASURED)	UNIT WEIGHT:	90.1 pcf
		COEF. OF PERMEABILITY:	7.6e-7 cm/s

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.8
NO. 10	2.000	90.7
NO. 20	0.850	67.6
NO. 40	0.425	57.8
NO. 60	0.250	52.5
NO. 140	0.106	45.4
NO. 200	0.075	43.4

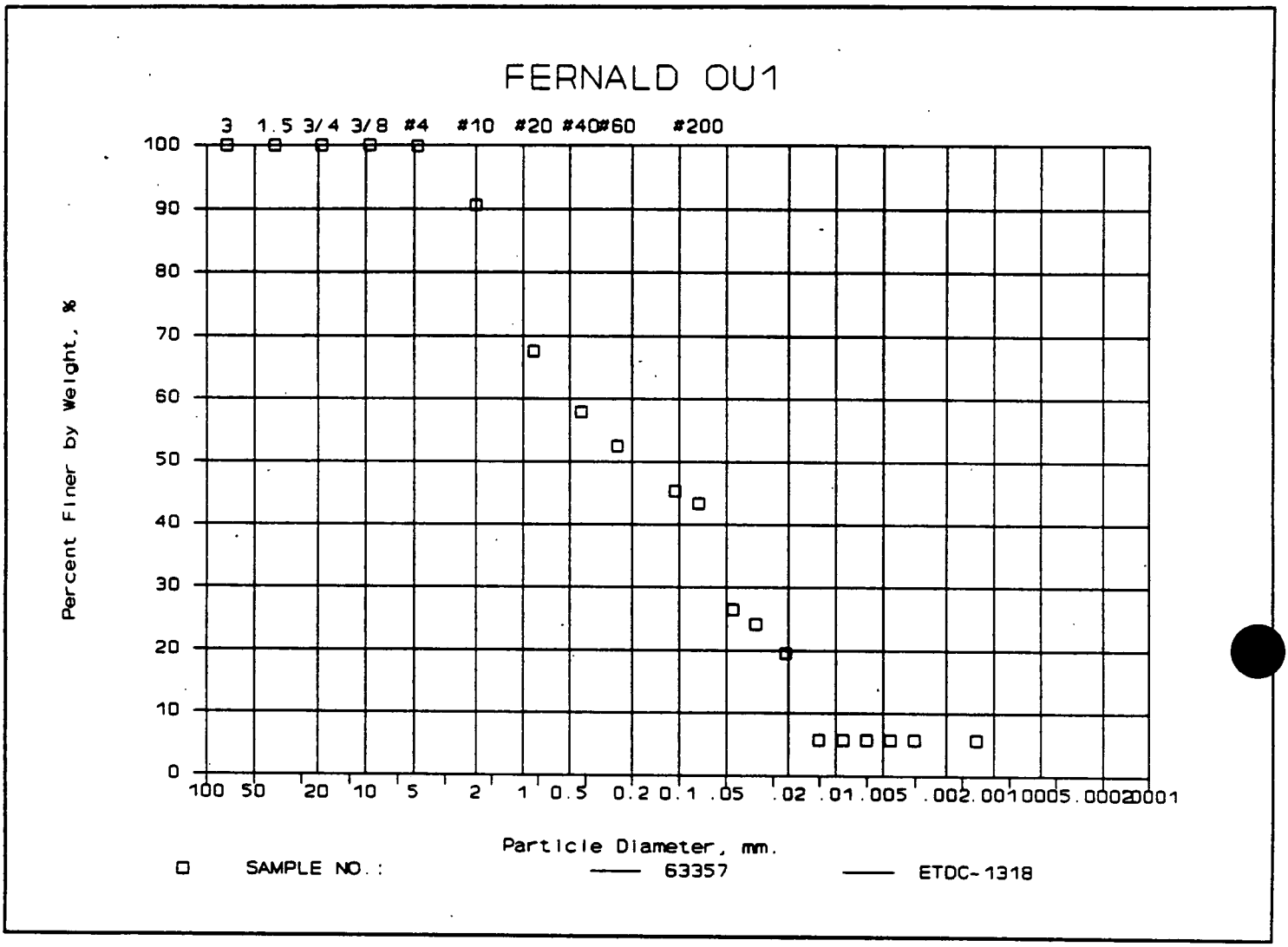
HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0453	26.5
0.0324	24.2
0.0209	19.6
0.0128	5.8
0.0090	5.8
0.0064	5.8
0.0045	5.8
0.0032	5.8
0.0013	5.8

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



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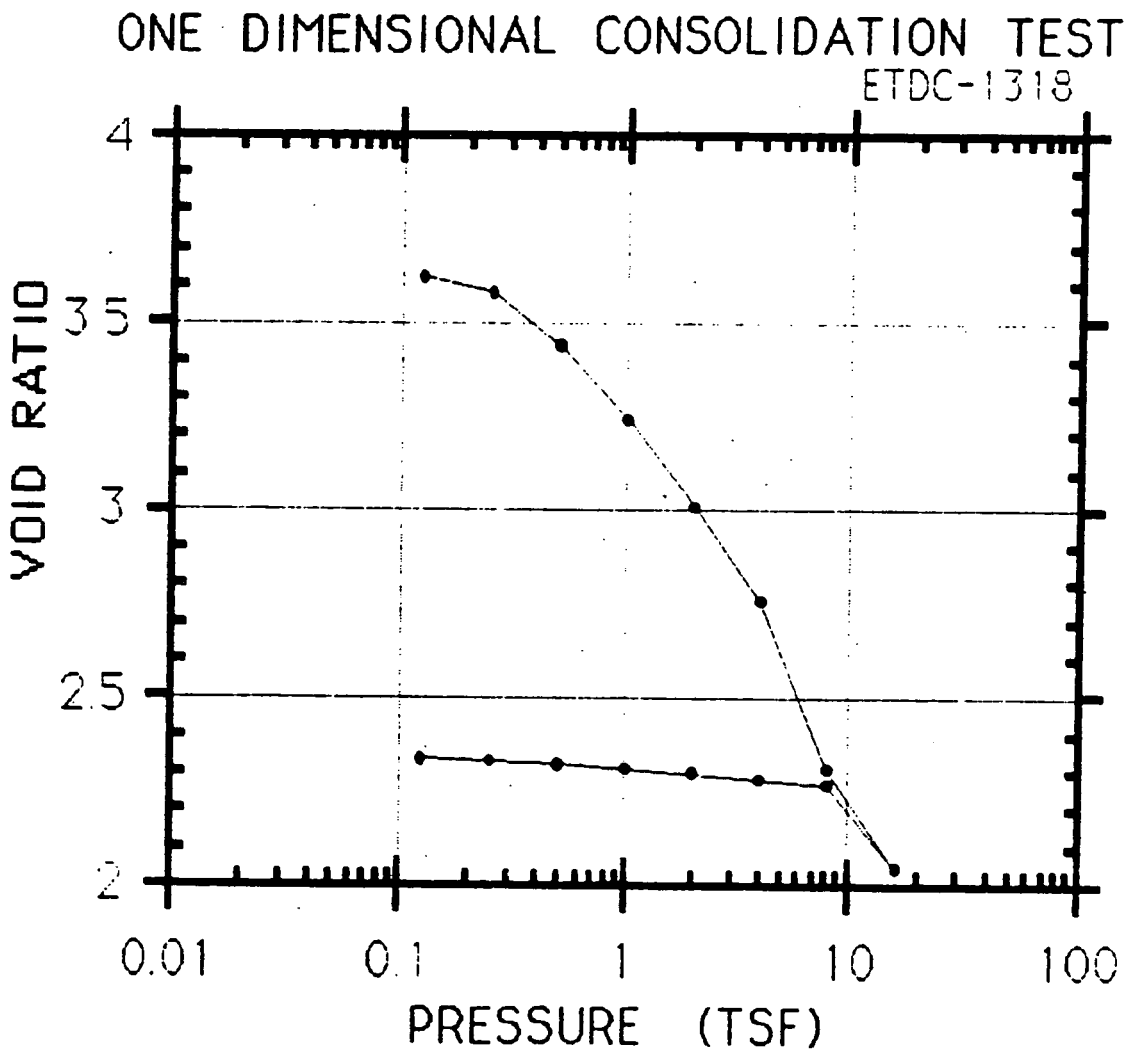
IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ONE DIMENSIONAL CONSOLIDATION TEST RESULTS

PROJECT NAME: FERNALD OU1
PROJECT NO.: 484285
CUST. SAMPLE NO.: 63357
ETDC SAMPLE NO.: ETDC-1318



Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	MH
PROJECT NO.:	484285	WATER CONTENT, %:	131.1
CUST. SAMPLE NO.:	63370	LIQUID LIMIT:	119.0
ETDC SAMPLE NO.:	ETDC-1311	PLASTICITY INDEX:	71.0
SPECIFIC GRAVITY:	2.7734 (MEASURED)	REMOLDED UNIT WEIGHT:	113.2 pcf

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	98.9
NO. 10	2.000	96.1
NO. 20	0.850	79.8
NO. 40	0.425	66.2
NO. 60	0.250	60.2
NO. 140	0.106	52.6
NO. 200	0.075	50.3

HYDROMETER ANALYSIS

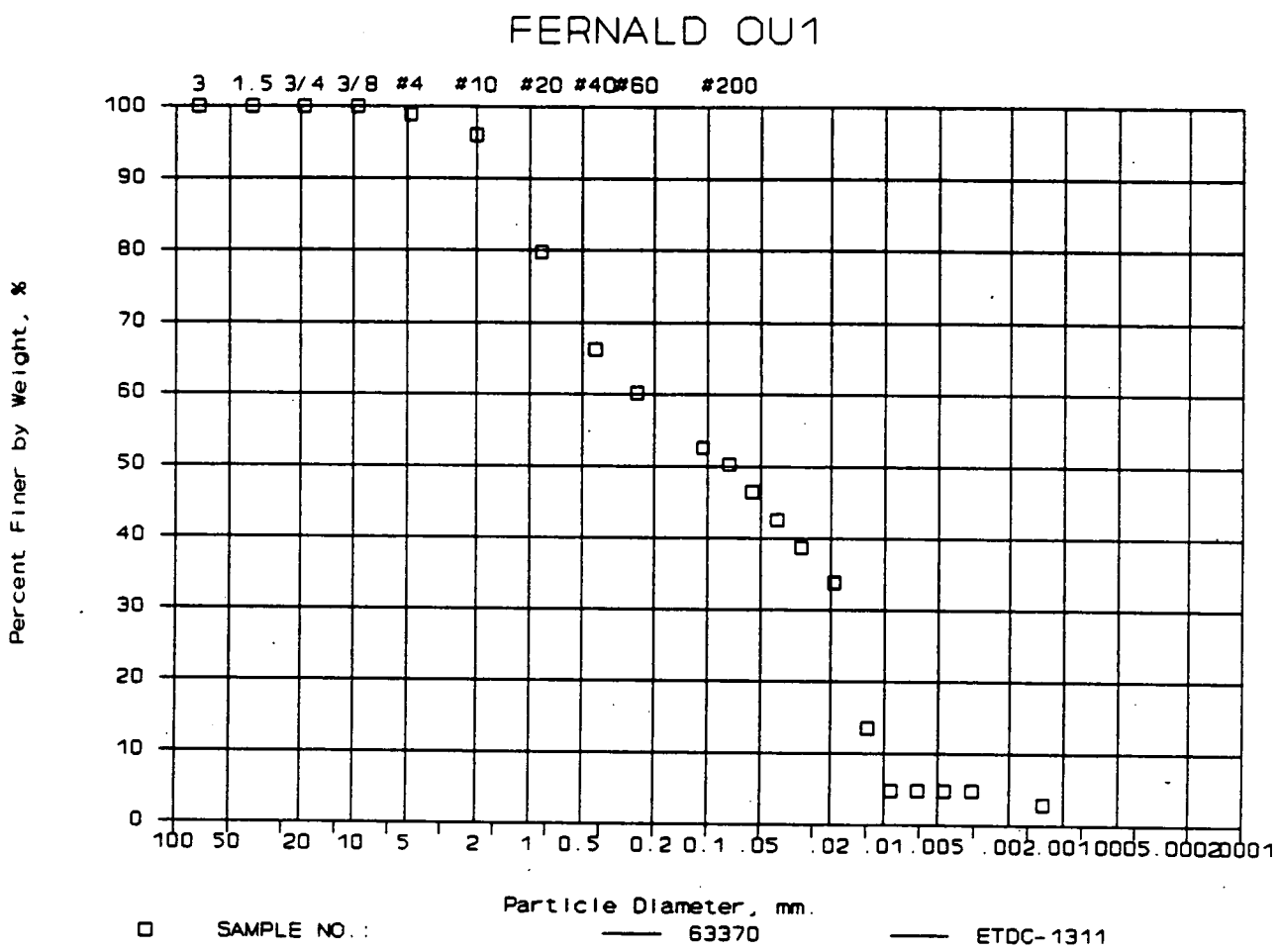
DIAMETER (mm)	PERCENT FINER (%)
0.0557	46.5
0.0405	42.6
0.0294	38.7
0.0191	33.9
0.0124	13.6
0.0092	4.8
0.0065	4.8
0.0046	4.8
0.0032	4.8
0.0013	2.9

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



Name: Jenny Vance
IT Corporation -5129
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME: FERNALD
PROJECT NO.: 484170
CUST. SAMPLE NO.: 63394
ETDC SAMPLE NO.: ETDC-657
SPECIFIC GRAVITY: 2.7000 (ASSUMED)

USCS SYMBOL: NOT REQUESTED
WATER CONTENT, %: 63.5
LIQUID LIMIT: NOT REQUESTED
PLASTICITY INDEX: NOT REQUESTED

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	76.5
0.375 in	9.500	76.5
NO. 4	4.750	74.4
NO. 10	2.000	71.3
NO. 20	0.850	62.8
NO. 40	0.425	52.6
NO. 60	0.250	44.8
NO. 140	0.106	34.5
NO. 200	0.075	32.3

HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0648	46.2
0.0373	42.6
0.0274	38.1
0.0150	32.6
0.0107	26.3
0.0078	21.8
0.0060	6.3
0.0043	-0.9
0.0031	-1.8
0.0013	-0.9

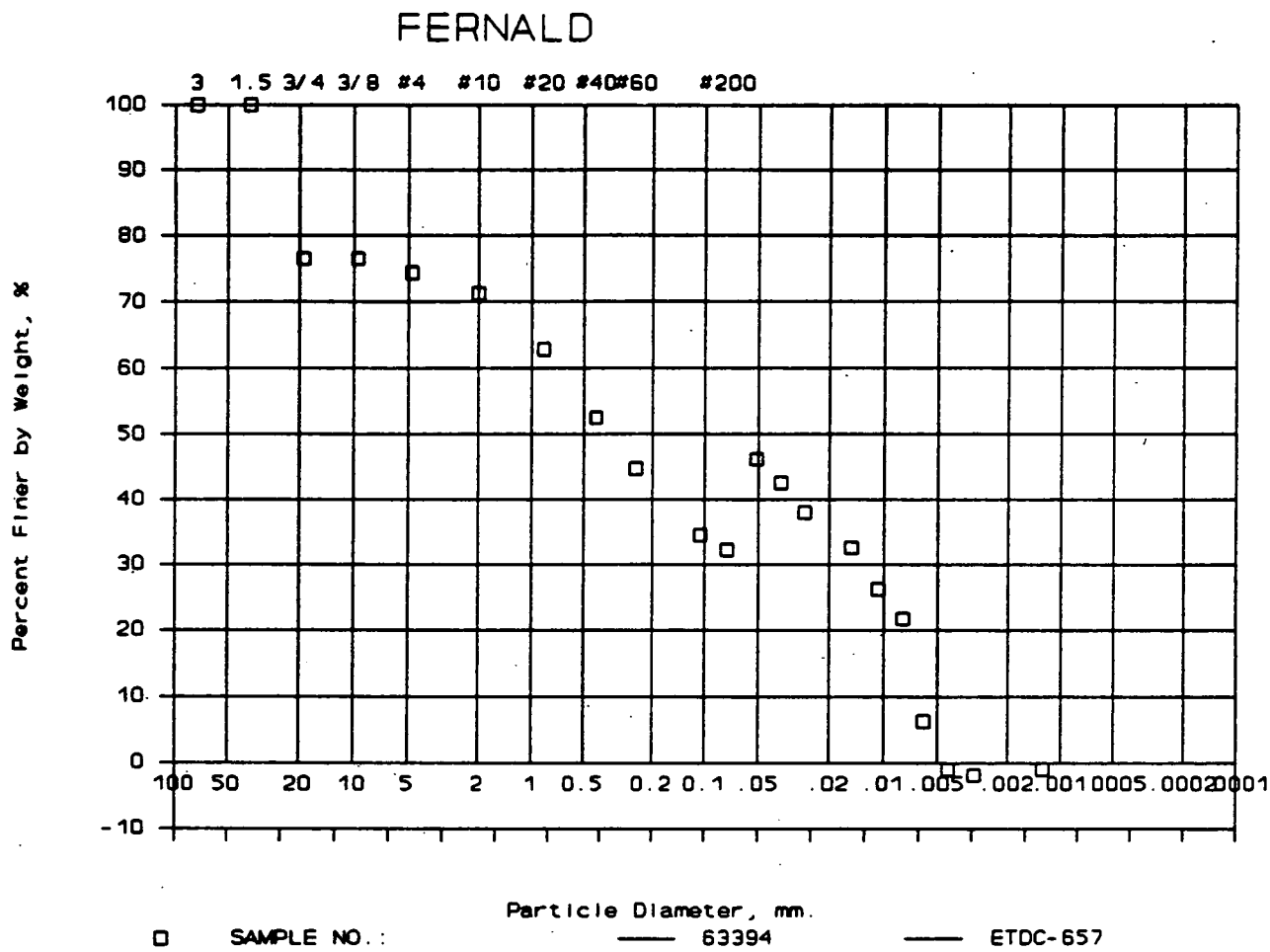
682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

=5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170



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Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	NONPLASTIC
PROJECT NO.:	484285	WATER CONTENT, %:	63.7
CUST. SAMPLE NO.:	63328	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-1312	PLASTICITY INDEX:	NONPLASTIC
SPECIFIC GRAVITY:	2.1956 (MEASURED)	UNIT WEIGHT:	81.3 pcf

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.5
NO. 10	2.000	96.1
NO. 20	0.850	81.7
NO. 40	0.425	70.3
NO. 60	0.250	62.7
NO. 140	0.106	48.1
NO. 200	0.075	43.5

HYDROMETER ANALYSIS

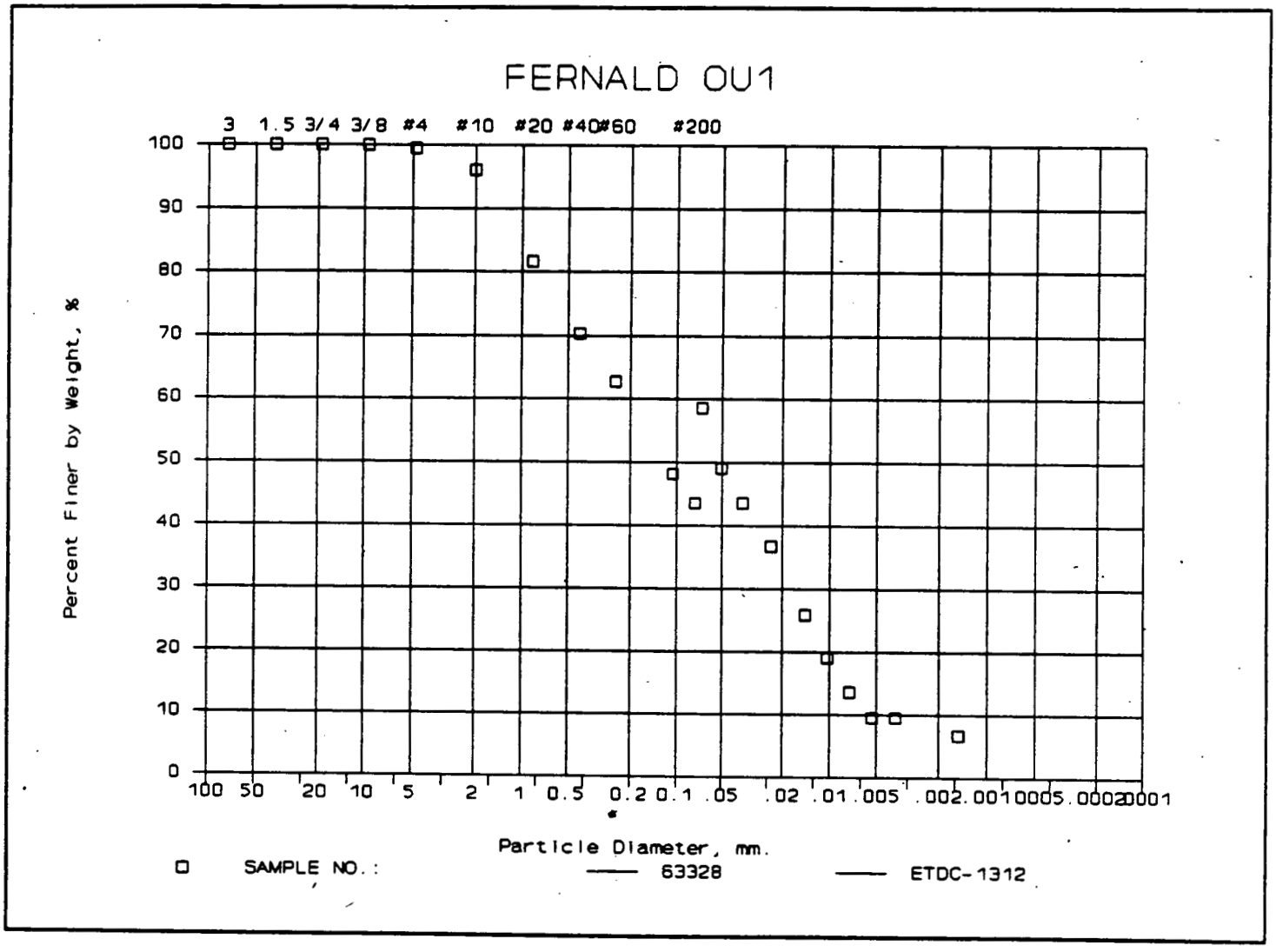
DIAMETER (mm)	PERCENT FINER (%)
0.0678	58.6
0.0501	49.0
0.0364	43.6
0.0237	36.8
0.0143	25.9
0.0104	19.1
0.0075	13.6
0.0053	9.5
0.0038	9.5
0.0015	6.8

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

-5129



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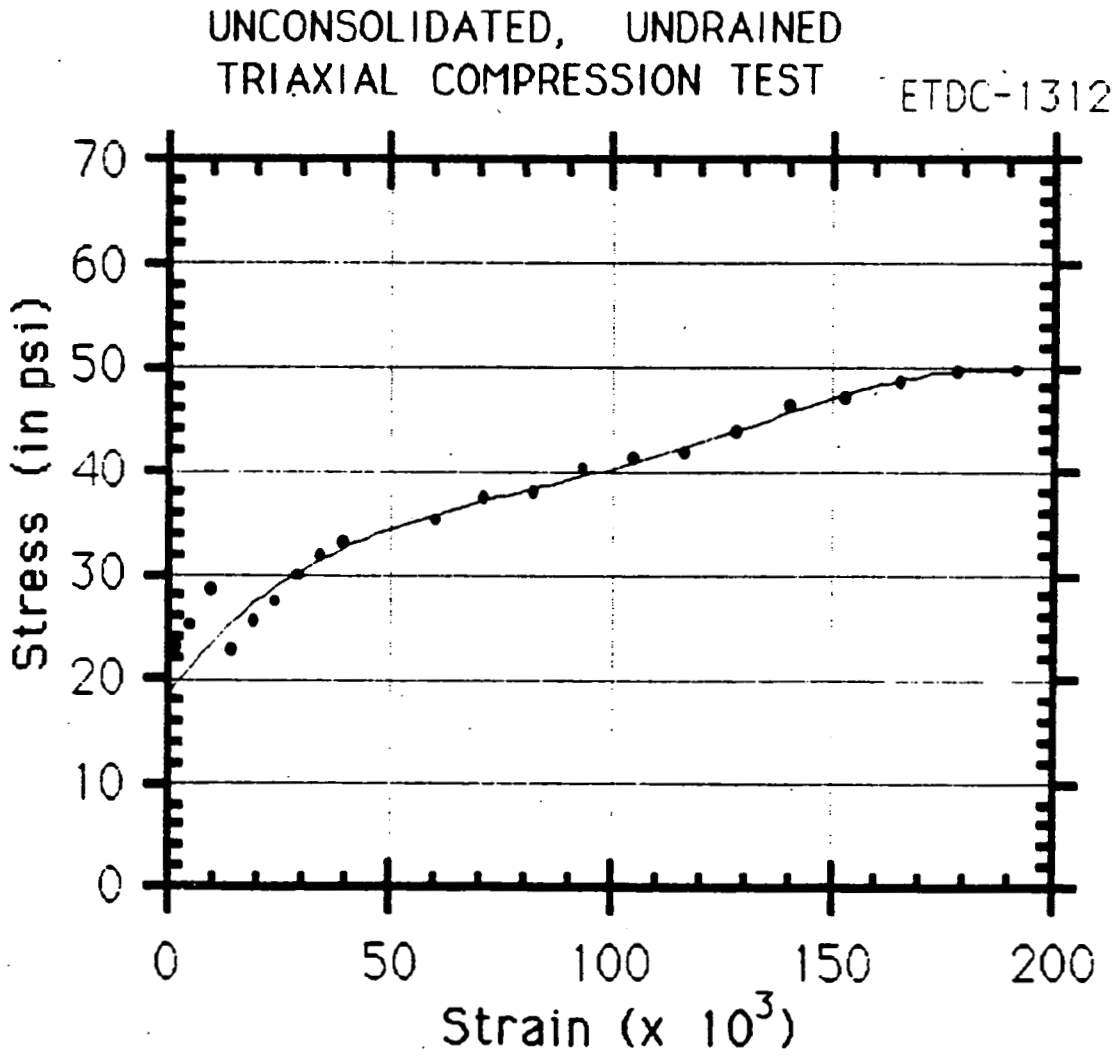
IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

UNCONSOLIDATED, UNDRAINED TRIAXIAL TEST RESULTS

PROJECT NAME: FERNALD OU1
PROJECT NO.: 484285
CUST. SAMPLE NO.: 63328
ETDC SAMPLE NO.: ETDC-1312

MINOR PRINCIPAL STRESS	MAJOR PRINCIPAL STRESS	COMPRESSIVE STRENGTH	AXIAL STRAIN
90.0 PSI	131.84 PSI	41.84 PSI	15.0%



682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

=5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	MH
PROJECT NO.:	484285	WATER CONTENT, %:	55.1
CUST. SAMPLE NO.:	63458	LIQUID LIMIT:	93.0
ETDC SAMPLE NO.:	ETDC-1316	PLASTICITY INDEX:	25.0
SPECIFIC GRAVITY:	2.8396 (MEASURED)	REMOLDED UNIT WEIGHT:	116.3 pcf
		COEF. OF PERMEABILITY:	3.8e-7 cm/s

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.8
NO. 10	2.000	97.2
NO. 20	0.850	82.6
NO. 40	0.425	72.5
NO. 60	0.250	68.0
NO. 140	0.106	63.7
NO. 200	0.075	62.7

HYDROMETER ANALYSIS

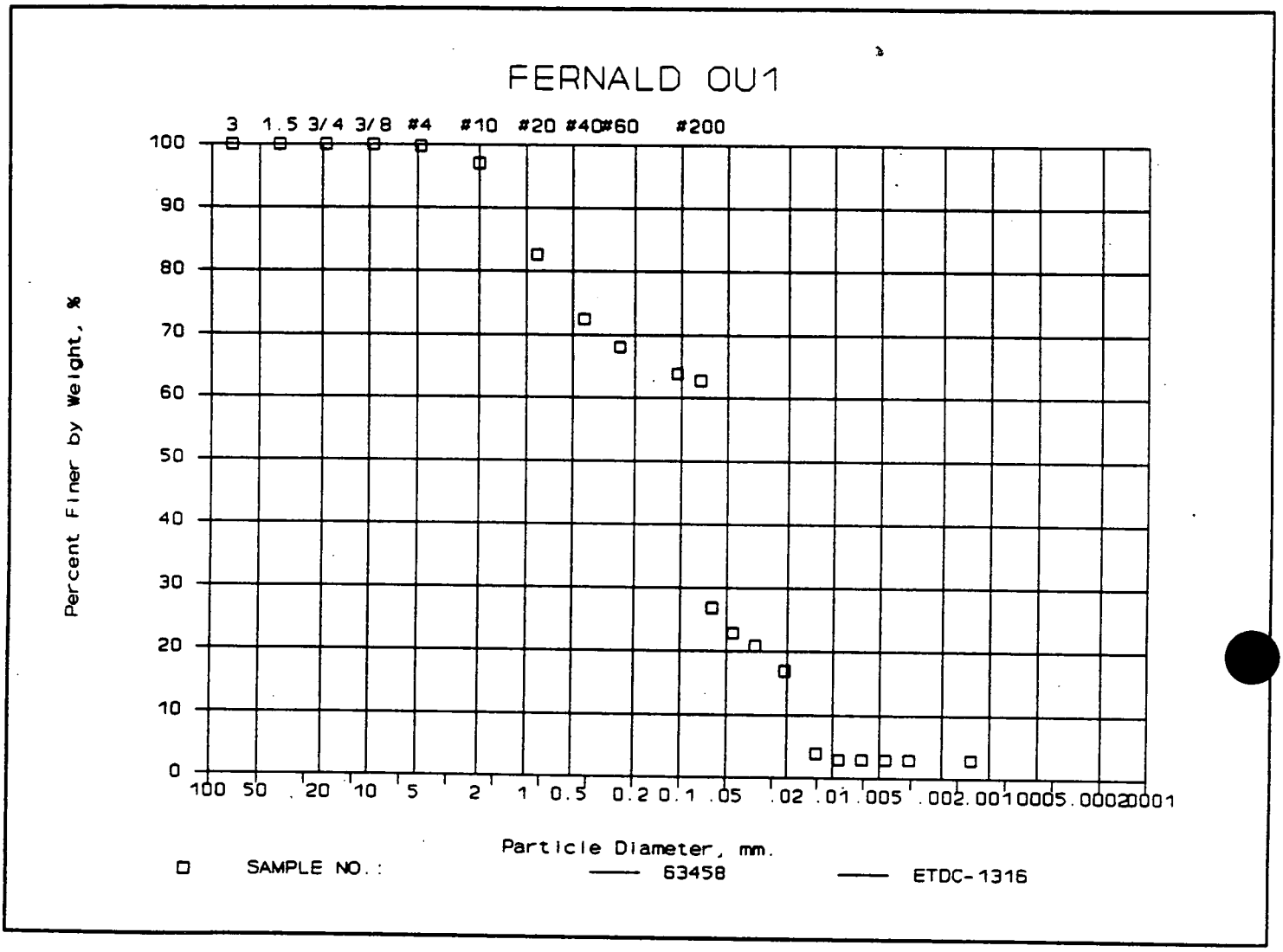
DIAMETER (mm)	PERCENT FINER (%)
0.0627	26.9
0.0453	22.9
0.0324	20.9
0.0209	16.9
0.0128	4.0
0.0091	3.0
0.0065	3.0
0.0046	3.0
0.0032	3.0
0.0013	3.0

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



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Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	NONPLASTIC
PROJECT NO.:	484285	WATER CONTENT, %:	35.4
CUST. SAMPLE NO.:	63278	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-1309	PLASTICITY INDEX:	NONPLASTIC
SPECIFIC GRAVITY:	2.4470 (MEASURED)	UNIT WEIGHT:	75.1 pcf

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	98.7
NO. 10	2.000	96.2
NO. 20	0.850	83.4
NO. 40	0.425	73.0
NO. 60	0.250	67.3
NO. 140	0.106	56.4
NO. 200	0.075	52.9

HYDROMETER ANALYSIS

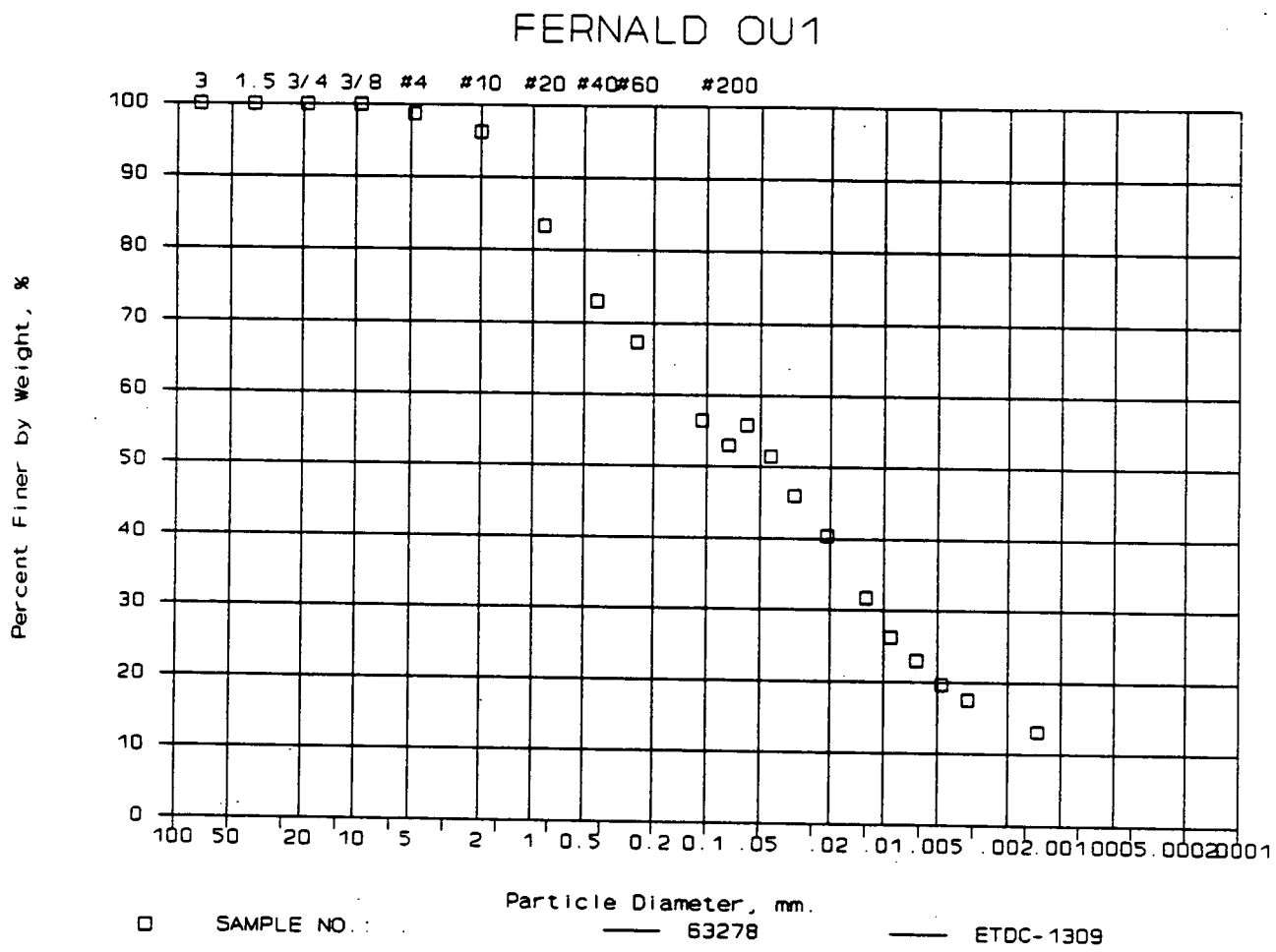
DIAMETER (mm)	PERCENT FINER (%)
0.0596	55.8
0.0436	51.4
0.0319	45.9
0.0208	40.5
0.0126	31.7
0.0092	26.3
0.0066	23.0
0.0047	19.7
0.0034	17.5
0.0014	13.1

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484285

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



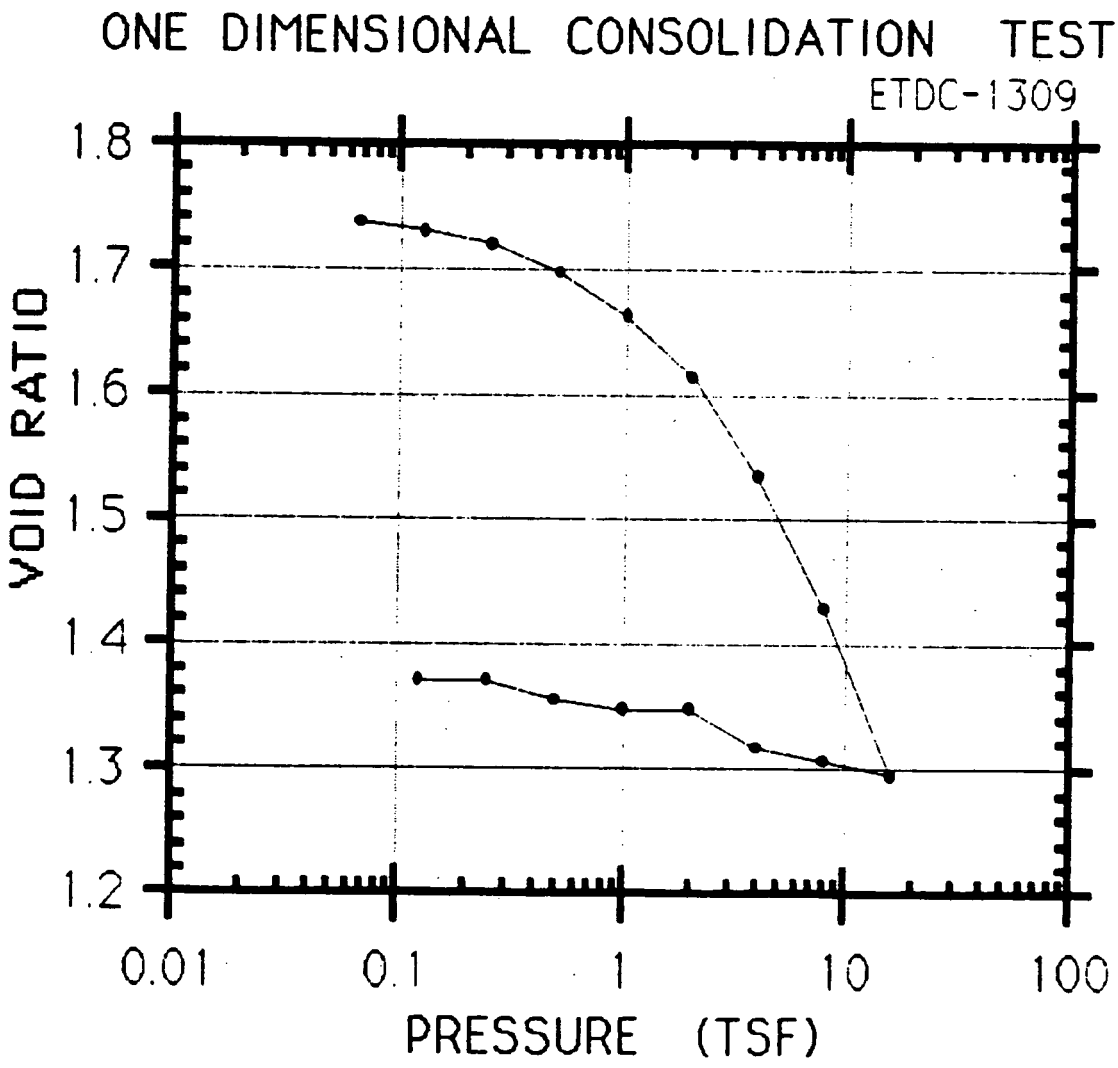
682-1-89

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ONE DIMENSIONAL CONSOLIDATION TEST RESULTS

PROJECT NAME: FERNALD OU1
PROJECT NO.: 484285
CUST. SAMPLE NO.: 63278
ETDC SAMPLE NO.: ETDC-1309



682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170

SAMPLE ANALYSIS RESULTS

PROJECT NAME: FERNALD
PROJECT NO.: 484170
CUST. SAMPLE NO.: 63314
ETDC SAMPLE NO.: ETDC-659
SPECIFIC GRAVITY: 2.7500 (ASSUMED)

USCS SYMBOL: NOT REQUESTED
WATER CONTENT, %: 30.7
LIQUID LIMIT: NOT REQUESTED
PLASTICITY INDEX: NOT REQUESTED

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	97.7
NO. 4	4.750	94.6
NO. 10	2.000	88.4
NO. 20	0.850	82.4
NO. 40	0.425	76.5
NO. 60	0.250	70.5
NO. 140	0.106	61.4
NO. 200	0.075	58.6

HYDROMETER ANALYSIS

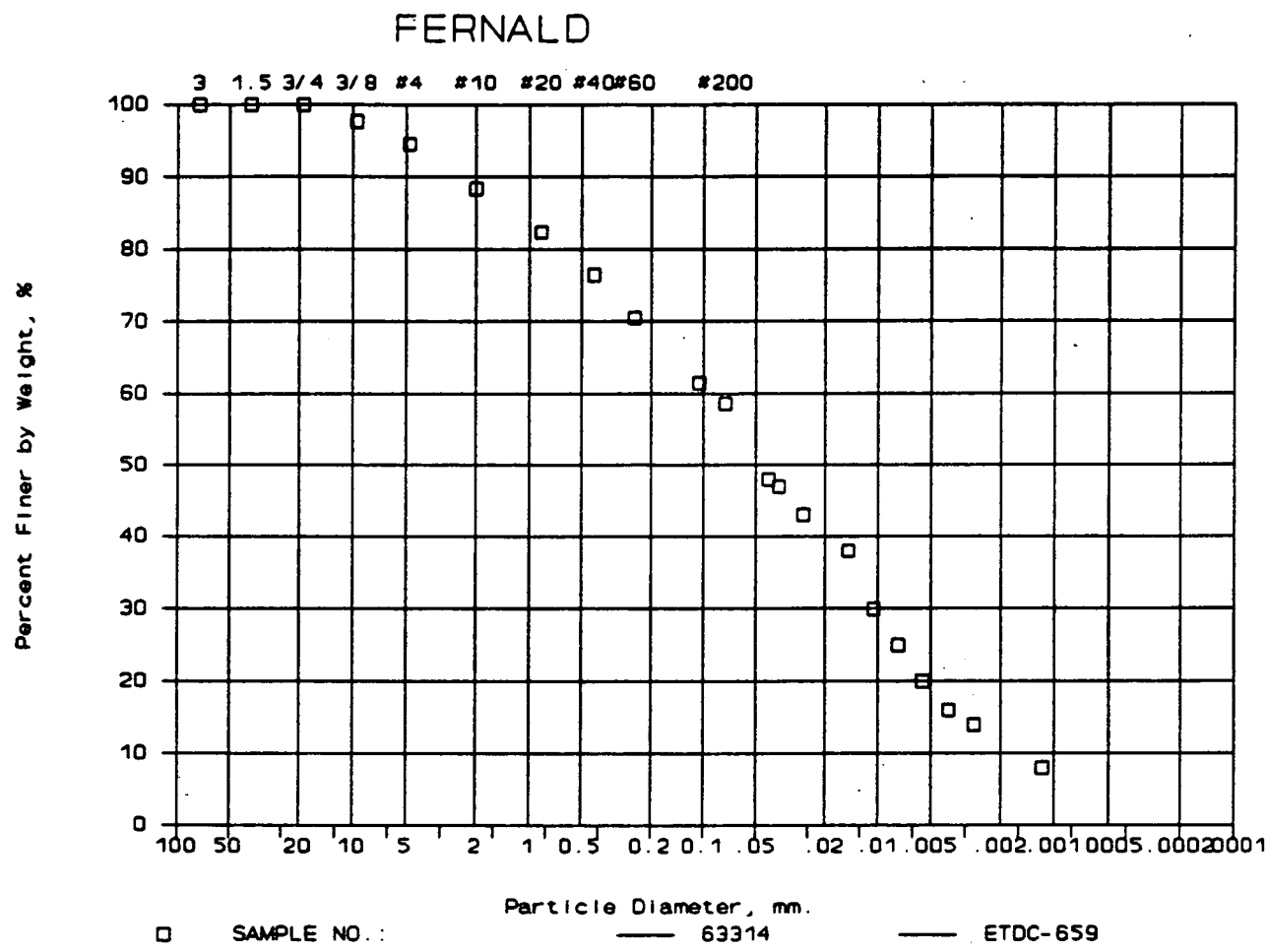
DIAMETER (mm)	PERCENT FINER (%)
0.0423	48.0
0.0368	47.0
0.0268	43.0
0.0146	38.0
0.0105	30.0
0.0076	25.0
0.0055	20.0
0.0039	16.0
0.0028	14.0
0.0012	8.0

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170



682-1-89

A.3.1.3

PIT 3
PIT MATERIAL
RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit 3
Pit Material Radiological Results

Well/Boring:	03-01				03-03				03-04				03-05			
Sample ID:	PS-03-002				PS-03-009				PS-03-030				PS-03-053			
Sample Date:	4/3/87				4/6/87				4/8/87				4/9/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	4.0				20.0				20.0				20.0			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CESIUM-137	<	0.7	PCI/G	UJ	<	6.0	PCI/G	UJ	<	5.0	PCI/G	UJ	<	1.0	PCI/G	UJ
NEPTUNIUM-237	<	0.3	PCI/G	U		0.8	PCI/G	-		2.1	PCI/G	-	<	0.3	PCI/G	U
PLUTONIUM-238	<	0.08	PCI/G	UJ		0.14	PCI/G	-		1.0	PCI/G	-		0.3	PCI/G	-
PLUTONIUM-239/240	<	0.05	PCI/G	UJ		0.3	PCI/G	J		14	PCI/G	J		0.3	PCI/G	J
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	5	PCI/G	UJ	<	35	PCI/G	UJ	<	35	PCI/G	UJ	<	6	PCI/G	UJ
STRONTIUM-90	<	1.00	PCI/G	UJ	<	3.0	PCI/G	UJ		5.2	PCI/G	-	<	1.5	PCI/G	UJ
TECHNETIUM-99	<	1.2	PCI/G	UJ		132	PCI/G	-		1110	PCI/G	-		199	PCI/G	-
THORIUM-228		1.0	PCI/G	J		13	PCI/G	J		40	PCI/G	J		1.4	PCI/G	J
THORIUM-230		15	PCI/G	J		11680	PCI/G	J		10660	PCI/G	J		83	PCI/G	J
THORIUM-232		1.0	PCI/G	J		23	PCI/G	J		59	PCI/G	J		1.4	PCI/G	J
URANIUM-234		27	PCI/G	J		475	PCI/G	J		387	PCI/G	J		156	PCI/G	J
URANIUM-235		2.5	PCI/G	J		21	PCI/G	J		16.4	PCI/G	J		7.2	PCI/G	J
URANIUM-238		134	PCI/G	J		521	PCI/G	J		403	PCI/G	J		156	PCI/G	J

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

-5129

Characterization Investigation Study - Pit 3
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		03-06				03-06				03-07		
Sample ID:		PS-03-074				PS-03-091				PS-03-111		
Sample Date:		4/10/87				4/10/87				4/13/87		
Top Depth (ft):		0.0				0.0				0.0		
Bottom Depth (ft):		14.0				20.0				12.0		
CESIUM-137	<	0.6	PCI/G	UJ	<	0.2	PCI/G	U	<	0.8	PCI/G	UJ
NEPTUNIUM-237		0.3	PCI/G	-	<	0.2	PCI/G	UJ	<	0.2	PCI/G	UJ
PLUTONIUM-238	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
PLUTONIUM-239/240	<	0.1	PCI/G	UJ	<	0.3	PCI/G	UJ	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	4.0	PCI/G	UJ	<	2.0	PCI/G	UJ	<	6.0	PCI/G	UJ
STRONTIUM-90	<	0.9	PCI/G	UJ	<	0.9	PCI/G	UJ	<	0.6	PCI/G	UJ
TECHNETIUM-99		47	PCI/G	-		52	PCI/G	-		93	PCI/G	-
THORIUM-228		7.2	PCI/G	J		14	PCI/G	J		5.9	PCI/G	J
THORIUM-230		4040	PCI/G	-		72	PCI/G	J		5900	PCI/G	-
THORIUM-232		6.9	PCI/G	-		9.5	PCI/G	J		9.4	PCI/G	-
URANIUM-234		79	PCI/G	-		163	PCI/G	-		167	PCI/G	-
URANIUM-235		5.8	PCI/G	-		15	PCI/G	-		14	PCI/G	-
URANIUM-238		215	PCI/G	-		285	PCI/G	-		1380	PCI/G	-

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772					1772					1772					1770			
Sample ID:		063308					063310					063314					063390			
Sample Date:		08-AUG-91					08-AUG-91					08-AUG-91					12-AUG-91			
Top Depth (ft):		9					18					0					12			
Bottom Depth (ft):		18					36.5					36.5					24			
CESIUM-137	U	.2	PCI/G	UJ		U	.5	PCI/G	DU							U	1.2	PCI/G	UJD	
GROSS ALPHA		616	PCI/G	NV			5045	PCI/G	NV								14400	PCI/G	NV	
GROSS BETA		962	PCI/G	NV			3304	PCI/G	NV								3170	PCI/G	NV	
PLUTONIUM-238	U	.6	PCI/G	U		U	.6	PCI/G	UJ											
PLUTONIUM-239/240	U	.6	PCI/G	U		U	.6	PCI/G	UJ											
RADIUM-226		1.41	PCI/G	J			37	PCI/G	-								451	PCI/G	J	
RADIUM-228		1.5	PCI/G	J			142	PCI/G	-								118	PCI/G	J	
RUTHENIUM-106	U	1.7	PCI/G	DU		U	4.2	PCI/G	DU							U	9.6	PCI/G	UJD	
STRONTIUM-90	U	.5	PCI/G	U			1.21	PCI/G	-								.827	PCI/G	J	
TECHNETIUM-99		1.39	PCI/G	-			1.75	PCI/G	-								33	PCI/G	J	
THORIUM-228		1.48	PCI/G	J		U	3.7	PCI/G	DU											
THORIUM-230		3.28	PCI/G	J			3.81	PCI/G	-								11370	PCI/G	J	
THORIUM-232		1.2	PCI/G	-		U	1.5	PCI/G	DU											
THORIUM-TOTAL		10.9	UG/G	-		U	14	UG/G	DU											
URANIUM-234		154	PCI/G	F			473	PCI/G	F											
URANIUM-235																				
URANIUM-235/236		23.6	PCI/G	-			48.6	PCI/G	-											
URANIUM-238		663	PCI/G	-			1740	PCI/G	-								785	PCI/G	J	
URANIUM-TOTAL		2446	UG/G	G			5938	UG/G	G								2355	UG/G	JG	
CESIUM-137											U	20	PCI/L	U	Y					
GROSS ALPHA												348	PCI/L	NV	Y					

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TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Radiological Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063474				063476		
Sample Date:	12-AUG-91				12-AUG-91				14-AUG-91				14-AUG-91		
Top Depth (ft):	24				0				14				28		
Bottom Depth (ft):	39				39				28				41		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CESIUM-137	U	.5	PCI/G	UJD					U	.3	PCI/G	UDJ	U	.4	PCI/G	UJ
GROSS ALPHA		10782	PCI/G	NV						8358	PCI/G	NV		6686	PCI/G	NV
GROSS BETA		2840	PCI/G	NV						2530	PCI/G	NV		2686	PCI/G	NV
PLUTONIUM-238		.98	PCI/G	J					U	.6	PCI/G	U	U	.6	PCI/G	U
PLUTONIUM-239/240		1.59	PCI/G	J					U	.6	PCI/G	U		1.38	PCI/G	-
RADIUM-226		226	PCI/G	J						208	PCI/G	J		109	PCI/G	J
RADIUM-228		241	PCI/G	J						119	PCI/G	J		119	PCI/G	J
RUTHENIUM-106	U	3.8	PCI/G	UJD					U	2.6	PCI/G	UDJ	U	3.2	PCI/G	UJ
STRONTIUM-90	U	.5	PCI/G	UJ					U	1	PCI/G	UJ		4.91	PCI/G	J
TECHNETIUM-99		10	PCI/G	J						16.4	PCI/G	-		15.9	PCI/G	-
THORIUM-228		554	PCI/G	-					U	820	PCI/G	U		427	PCI/G	-
THORIUM-230		7652	PCI/G	J						5770	PCI/G	J		4780	PCI/G	-
THORIUM-232		396	PCI/G	-					U	360	PCI/G	U		272	PCI/G	-
THORIUM-TOTAL		3570	UG/G	-					U	3200	UG/G	U		2450	UG/G	-
URANIUM-234										946	PCI/G	-		991	PCI/G	-
URANIUM-235		51.8	PCI/G	J												
URANIUM-235/236										89.2	PCI/G	-		36.1	PCI/G	-
URANIUM-238		881	PCI/G	J						880	PCI/G	-		922	PCI/G	-
URANIUM-TOTAL		2642	UG/G	JG						3560	UG/G	J		3711	UG/G	GJ
CESIUM-137					U	20	PCI/L	R	Y							
GROSS ALPHA						1590	PCI/L	NV	Y							

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	1771
Sample ID:	063478
Sample Date:	14-AUG-91
Top Depth (ft):	0
Bottom Depth (ft):	41

Parameters	LQ	Result	Unit	VQ	TCLP
CESIUM-137					
GROSS ALPHA					
GROSS BETA					
PLUTONIUM-238					
PLUTONIUM-239/240					
RADIUM-226					
RADIUM-228					
RUTHENIUM-106					
STRONTIUM-90					
TECHNETIUM-99					
THORIUM-228					
THORIUM-230					
THORIUM-232					
THORIUM-TOTAL					
URANIUM-234					
URANIUM-235					
URANIUM-235/236					
URANIUM-238					
URANIUM-TOTAL					
CESIUM-137	U	20	PCI/L	UJ	Y
GROSS ALPHA		223	PCI/L	NV	Y

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772					1772					1772					1770			
Sample ID:		063308					063310					063314					063390			
Sample Date:		08-AUG-91					08-AUG-91					08-AUG-91					12-AUG-91			
Top Depth (ft):		9					18					0					12			
Bottom Depth (ft):		18					36.5					36.5					24			
GROSS BETA												350	PCI/L	NV	Y					
NEPTUNIUM-237											U	1	PCI/L	UJ	Y					
PLUTONIUM-238											U	1	PCI/L	UJ	Y					
PLUTONIUM-239/240											U	1	PCI/L	U	Y					
RADIUM-226												6.12	PCI/L	J	Y					
RADIUM-228												18.2	PCI/L	J	Y					
RUTHENIUM-106											U	150	PCI/L	U	Y					
STRONTIUM-90											U	5	PCI/L	U	Y					
TECHNETIUM-99											U	30	PCI/L	U	Y					
THORIUM-228												6.44	PCI/L	J	Y					
THORIUM-230												1.07	PCI/L	J	Y					
THORIUM-232											U	1	PCI/L	UJ	Y					
THORIUM-TOTAL											U	5.7	UG/L	UJD	Y					
URANIUM-234												54.3	PCI/L	F	Y					
URANIUM-235/236												6.16	PCI/L	-	Y					
URANIUM-238												272	PCI/L	C	Y					
URANIUM-TOTAL												430	UG/L	K	Y					

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TCLP - Toxicity Characteristic Leaching Procedure
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J - Estimated
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Radiological Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063474				063476		
Sample Date:	12-AUG-91				12-AUG-91				14-AUG-91				14-AUG-91		
Top Depth (ft):	24				0				14				28		
Bottom Depth (ft):	39				39				28				41		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ		Result	Unit	VQ TCLP LQ		Result	Unit	VQ TCLP
GROSS BETA					1840	PCI/L	NV	Y							
NEPTUNIUM-237				U	1	PCI/L	UJ	Y							
PLUTONIUM-238				U	1	PCI/L	U	Y							
PLUTONIUM-239/240				U	1	PCI/L	U	Y							
RADIUM-226					19.3	PCI/L	-	Y							
RADIUM-228					21	PCI/L	R	Y							
RUTHENIUM-106				U	150	PCI/L	R	Y							
STRONTIUM-90				U	5	PCI/L	U	Y							
TECHNETIUM-99					1124	PCI/L	J	Y							
THORIUM-228															
THORIUM-230															
THORIUM-232															
THORIUM-TOTAL															
URANIUM-234															
URANIUM-235/236															
URANIUM-238															
URANIUM-TOTAL					1804	UG/L	K	Y							

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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 3
Pit Material Radiological Results

Well/Boring:	1771
Sample ID:	063478
Sample Date:	14-AUG-91
Top Depth (ft):	0
Bottom Depth (ft):	41

Parameters	LQ	Result	Unit	VQ	TCLP
GROSS BETA		628	PCI/L	NV	Y
NEPTUNIUM-237					
PLUTONIUM-238					
PLUTONIUM-239/240					
RADIUM-226		7.53	PCI/L	J	Y
RADIUM-228		7.86	PCI/L	J	Y
RUTHENIUM-106	U	154	PCI/L	UJ	Y
STRONTIUM-90					
TECHNETIUM-99		610	PCI/L	J	Y
THORIUM-228					
THORIUM-230					
THORIUM-232					
THORIUM-TOTAL					
URANIUM-234		95.5	PCI/L	J	Y
URANIUM-235/236		8.31	PCI/L	J	Y
URANIUM-238		91.5	PCI/L	J	Y
URANIUM-TOTAL		75.5	UG/L	K	Y

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Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

A.3.1.4

PIT 3
PIT MATERIAL
INORGANIC RESULTS

Characterization Investigation Study - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		03-03				03-04				03-05				03-06		
Sample ID:		PS-03-008				PS-03-028				PS-03-051				PS-03-072		
Sample Date:		04/06/87				04/08/87				04/09/87				04/10/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		20.0				20.0				20.0				14.0		
CYANIDE	U	1.3	MG/KG	R	U	1.4	MG/KG	UJ	U	1.3	MG/KG	UJ	U	0.7	MG/KG	UJ
ALUMINUM		64100	MG/KG	-		21000	MG/KG	-		18900	MG/KG	-		15000	MG/KG	-
ANTIMONY		5.6	MG/KG	U		18	MG/KG	J	U	5.2	MG/KG	U	U	11	MG/KG	U
ARSENIC		1570	MG/KG	-		3050	MG/KG	-	*	22	MG/KG	-		635	MG/KG	-
BARIUM		8650	MG/KG	-		14400	MG/KG	-		474	MG/KG	-		2190	MG/KG	-
BERYLLIUM	N	13	MG/KG	J	N	24	MG/KG	J		6.7	MG/KG	-		5.5	MG/KG	-
CADMIUM		13	MG/KG	-		6.9	MG/KG	-		8.1	MG/KG	-		2.9	MG/KG	-
CALCIUM		127000	MG/KG	-		121000	MG/KG	-	E	178000	MG/KG	J	E	59300	MG/KG	J
CHROMIUM		134	MG/KG	-		88	MG/KG	-	N	152	MG/KG	J	N	28	MG/KG	J
COBALT		20	MG/KG	J		17	MG/KG	J		21	MG/KG	J		9.8	MG/KG	J
COPPER	E	2330	MG/KG	J	E	1730	MG/KG	J	E	1950	MG/KG	J	E	173	MG/KG	J
CYANIDE	U	1.3	MG/KG	R	U	1.4	MG/KG	UJ	U	1.3	MG/KG	UJ	U	0.7	MG/KG	UJ
IRON		26900	MG/KG	J	*	24300	MG/KG	J	E	15500	MG/KG	J	E	15200	MG/KG	J
LEAD		613	MG/KG	-		251	MG/KG	-	*	340	MG/KG	J		52	MG/KG	J
MAGNESIUM		35800	MG/KG	-		25200	MG/KG	-		51600	MG/KG	-		25600	MG/KG	-
MANGANESE	E	2860	MG/KG	J	E*	1180	MG/KG	J		10600	MG/KG	-		518	MG/KG	-
MERCURY		1.1	MG/KG	-		1.0	MG/KG	-		4.0	MG/KG	J		0.1	MG/KG	J
NICKEL		504	MG/KG	-		117	MG/KG	-	N	211	MG/KG	J	N	32	MG/KG	J
OSMIUM																
POTASSIUM		1320	MG/KG	J		117	MG/KG	-		2860	MG/KG	-		2300	MG/KG	-
SELENIUM		60	MG/KG	-		90	MG/KG	-	UN	0.8	MG/KG	UJ		3.0	MG/KG	J
SILVER		6.6	MG/KG	-		8.0	MG/KG	-		8.1	MG/KG	-	U	2.1	MG/KG	U

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Characterization Investigation Study - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		03-06				03-02				03-07		
Sample ID:		PS-03-088				PS-03-089				PS-03-109		
Sample Date:		4/10/87				04/10/87				04/13/87		
Top Depth (ft):		0.0				0.0				0.0		
Bottom Depth (ft):		14.0				20.0				12.0		
CYANIDE	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.7	MG/KG	UJ
ALUMINUM		8220	MG/KG	-		15000	MG/KG	-		10400	MG/KG	-
ANTIMONY	U	4.9	MG/KG	U	U	2.6	MG/KG	U	N	7.5	MG/KG	J
ARSENIC	*	635	MG/KG	-	*	15	MG/KG	-		1220	MG/KG	-
BARIUM		985	MG/KG	-		251	MG/KG	-	N	2070	MG/KG	J
BERYLLIUM		2.8	MG/KG	-		1.2	MG/KG	-		8.1	MG/KG	-
CADMIUM		1.9	MG/KG	-		2.9	MG/KG	-		2.5	MG/KG	-
CALCIUM	E	79600	MG/KG	J	E	53200	MG/KG	J	*	66900	MG/KG	J
CHROMIUM	N	16	MG/KG	J	N	38	MG/KG	J		20	MG/KG	-
COBALT		6.6	MG/KG	J		4.9	MG/KG	J		10	MG/KG	J
COPPER	E	100	MG/KG	U	E	223	MG/KG	UJ	U	79	MG/KG	U
CYANIDE	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.7	MG/KG	UJ
IRON	E	14600	MG/KG	J	E	10700	MG/KG	J		15500	MG/KG	-
LEAD	*	26	MG/KG	UJ	*	55	MG/KG	J	U	79	MG/KG	U
MAGNESIUM		21500	MG/KG	-		27800	MG/KG	-	*	25300	MG/KG	J
MANGANESE		407	MG/KG	-		539	MG/KG	-	*EN	601	MG/KG	J
MERCURY	U	0.1	MG/KG	UJ		0.4	MG/KG	J	U	0.2	MG/KG	U
NICKEL	N	22	MG/KG	J	N	41	MG/KG	J		29	MG/KG	-
OSMIUM												
POTASSIUM		1490	MG/KG	-		3180	MG/KG	-		810	MG/KG	J
SELENIUM	N	1.2	MG/KG	J	U	0.5	MG/KG	UJ	N	0.9	MG/KG	J
SILVER	U	2.1	MG/KG	U	U	2.0	MG/KG	U	N	3.5	MG/KG	J

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Characterization Investigation Study - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		03-03				03-04				03-05				03-06		
Sample ID:		PS-03-008				PS-03-028				PS-03-051				PS-03-072		
Sample Date:		04/06/87				04/08/87				04/09/87				04/10/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		20.0				20.0				20.0				14.0		
SODIUM		3690	MG/KG	-		4000	MG/KG	-		7640	MG/KG	-		1530	MG/KG	-
THALLIUM		5.9	MG/KG	-		12	MG/KG	-	U	0.5	MG/KG	U	U	2.7	MG/KG	U
TIN																
VANADIUM		4560	MG/KG	-		9700	MG/KG	-		67	MG/KG	-		1400	MG/KG	-
ZINC		311	MG/KG	-	N	114	MG/KG	-	NE	209	MG/KG	UJ	NE	49	MG/KG	UJ

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Characterization Investigation Study - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		03-06				03-02				03-07		
Sample ID:		PS-03-088				PS-03-089				PS-03-109		
Sample Date:		4/10/87				04/10/87				04/13/87		
Top Depth (ft):		0.0				0.0				0.0		
Bottom Depth (ft):		14.0				20.0				12.0		
SODIUM		1190	MG/KG	-		2200	MG/KG	-		1290	MG/KG	-
THALLIUM	U	1.5	MG/KG	U	U	0.3	MG/KG	U		2.0	MG/KG	J
TIN												
VANADIUM		692	MG/KG	-		50	MG/KG	-		2080	MG/KG	-
ZINC	NE	38	MG/KG	UJ	NE	52	MG/KG	UJ		45	MG/KG	J

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772					1772					1772					1772			
Sample ID:		063251					063278					063280					063308			
Sample Date:		07-AUG-91					07-AUG-91					07-AUG-91					08-AUG-91			
Top Depth (ft):		6					19.5					22.5					9			
Bottom Depth (ft):		6.5					22					23					18			
% Moisture		23	% MOISTU	NV			35.4	% MOISTU	NV			30	% MOISTU	NV			22	% MOISTU	NV	
% Solids																				
Ammonia																				
Bromide																U	1	MG/KG	R	
Chloride																	366	MG/KG	R	
Cyanide																U	.26	MG/KG	U	
Fluoride																U	.4	MG/KG	R	
Nitrate																	18	MG/KG	R	
Oil and Grease																	116	MG/KG	-	
Phosphate																U	1	MG/KG	R	
Phosphorus																	1770	MG/KG	-	
Sulfate																	604	MG/KG	R	
Sulfide																	8.6	MG/KG	-	
Total Kjeldahl Nitrogen																				
Total Organic Carbon																				
Total Organic Nitrogen																	233	MG/KG	-	
pH																	7.7	S.U.	-	
Aluminum																*	8270	MG/KG	-	
Antimony																U	7.7	MG/KG	U	
Arsenic																SN	6.9	MG/KG	J	
Barium																	111	MG/KG	-	

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VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:		1772			1772			1770			1770		
Sample ID:		063310			063314			063328			063330		
Sample Date:		08-AUG-91			08-AUG-91			11-AUG-91			11-AUG-91		
Top Depth (ft):		18			0			4			6.5		
Bottom Depth (ft):		36.5			36.5			6			7		
% Moisture		27	% MOISTU	NV	30.7	%	NV	63.7	% MOISTU	NV	34	% MOISTU	NV
% Solids													
Ammonia	U	.1	MG/KG	U									
Bromide	U	1	MG/KG	R									
Chloride		3774	MG/KG	R									
Cyanide		1.4	MG/KG	-									
Fluoride	U	.4	MG/KG	U									
Nitrate		7866	MG/KG	R									
Oil and Grease		138	MG/KG	-									
Phosphate	U	1	MG/KG	R									
Phosphorus		2650	MG/KG	-									
Sulfate		1361	MG/KG	R									
Sulfide													
Total Kjeldahl Nitrogen													
Total Organic Carbon					128557	MG/KG	-						
Total Organic Nitrogen		127	MG/KG	-									
pH		8	S.U.	-									
Aluminum	*	9570	MG/KG	-									
Antimony	U	8	MG/KG	U									
Arsenic	SN	27.1	MG/KG	J									
Barium		172	MG/KG	-									

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TCLP = Toxicity Characteristic Leaching Procedure
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Pit Material Inorganic Results

Well/Boring:	1770				1770				1770				1770		
Sample ID:	063357				063358				063370				063377		
Sample Date:	11-AUG-91				11-AUG-91				11-AUG-91				12-AUG-91		
Top Depth (ft):	20				22				28				33		
Bottom Depth (ft):	22				22.5				30				33.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
% Moisture		138.7	% MOISTU	NV	67	% MOISTU	NV	131.1	% MOISTU	NV	58	% MOISTU	NV		
% Solids															
Ammonia															
Bromide															
Chloride															
Cyanide															
Fluoride															
Nitrate															
Oil and Grease															
Phosphate															
Phosphorus															
Sulfate															
Sulfide															
Total Kjeldahl Nitrogen															
Total Organic Carbon															
Total Organic Nitrogen															
pH															
Aluminum															
Antimony															
Arsenic															
Barium															

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770				1770				1770				1771			
Sample ID:		063390				063392				063394				063412			
Sample Date:		12-AUG-91				12-AUG-91				12-AUG-91				13-AUG-91			
Top Depth (ft):		12				24				0				7.5			
Bottom Depth (ft):		24				39				39				8			
% Moisture		53	% MOISTU	NV		67	% MOISTU	NV						72	% MOISTU	NV	
% Solids																	
Ammonia	U	20	MG/KG	U	U	20	MG/KG	U									
Bromide	U	1	MG/KG	U	U	1	MG/KG	U									
Chloride		18600	MG/KG	-		23700	MG/KG	-									
Cyanide	*	1.6	MG/KG	UJ	U*	.32	MG/KG	UJ									
Fluoride	U	.4	MG/KG	U	U	.4	MG/KG	U									
Nitrate		42200	MG/KG	-		57400	MG/KG	-									
Oil and Grease						1510	MG/KG	-									
Phosphate	U	1	MG/KG	U	U	1	MG/KG	U									
Phosphorus		2100	MG/KG	-		2040	MG/KG	-									
Sulfate		5610	MG/KG	-		7890	MG/KG	-									
Sulfide	U	.5	MG/KG	U													
Total Kjeldahl Nitrogen																	
Total Organic Carbon										176000	MG/KG	-					
Total Organic Nitrogen		7000	MG/KG	-		4960	MG/KG	-									
pH		8.01	S.U.	-		7.86	S.U.	-									
Aluminum		16700	MG/KG	J		17400	MG/KG	J									
Antimony		38.9	MG/KG	J		51.3	MG/KG	J									
Arsenic		37200	MG/KG	J		319	MG/KG	J									
Barium		742	MG/KG	J		2800	MG/KG	J									

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Pit Material Inorganic Results

Well/Boring:	1771				1771				1771				1771		
Sample ID:	063431				063432				063458				063467		
Sample Date:	13-AUG-91				13-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	17				17.5				32				38		
Bottom Depth (ft):	17.5				18				34				38.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
% Moisture		29	% MOISTU	NV		31	% MOISTU	NV		55.1	% MOISTU	NV		66	% MOISTU	NV
% Solids																
Ammonia																
Bromide																
Chloride																
Cyanide																
Fluoride																
Nitrate																
Oil and Grease																
Phosphate																
Phosphorus																
Sulfate																
Sulfide																
Total Kjeldahl Nitrogen																
Total Organic Carbon																
Total Organic Nitrogen																
pH																
Aluminum																
Antimony																
Arsenic																
Barium																

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Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1771				1771				1771			
Sample ID:		063474				063476				063478			
Sample Date:		14-AUG-91				14-AUG-91				14-AUG-91			
Top Depth (ft):		14				28				0			
Bottom Depth (ft):		28				41				41			
% Moisture		64	% MOISTU	NV		62	% MOISTU	NV					
% Solids													
Ammonia	U	53.3	MG/KG	U	U	62	MG/KG	U					
Bromide	U	1	MG/KG	U	U	1	MG/KG	U					
Chloride		17636	MG/KG	-		9565	MG/KG	-					
Cyanide	B•	1.2	MG/KG	-	•	1.7	MG/KG	-					
Fluoride		1954	MG/KG	-		2350	MG/KG	-					
Nitrate		50443	MG/KG	-		21831	MG/KG	-					
Oil and Grease						645	MG/KG	-					
Phosphate	U	1	MG/KG	U	U	1	MG/KG	U					
Phosphorus		233	MG/KG	-		57817	MG/KG	-					
Sulfate		44345	MG/KG	-		1973	MG/KG	-					
Sulfide	U	.5	MG/KG	R									
Total Kjeldahl Nitrogen													
Total Organic Carbon													
Total Organic Nitrogen		3842	MG/KG	-		8914	MG/KG	-					
pH		8.32	S.U.	-		7.91	S.U.	-					
Aluminum		9050	MG/KG	-		4680	MG/KG	-					
Antimony		63.5	MG/KG	-		32.8	MG/KG	-					
Arsenic		14500	MG/KG	-	S	2200	MG/KG	-					
Barium		3570	MG/KG	-		490	MG/KG	-					

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Well/Boring:	1772				1772				1772				1772		
Sample ID:	063251				063278				063280				063308		
Sample Date:	07-AUG-91				07-AUG-91				07-AUG-91				08-AUG-91		
Top Depth (ft):	6				19.5				22.5				9		
Bottom Depth (ft):	6.5				22				23				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Beryllium													BN	1	MG/KG	J
Boron													N	42.6	MG/KG	J
Cadmium														2.2	MG/KG	-
Calcium														87000	MG/KG	-
Chromium													N	28.7	MG/KG	J
Cobalt													B	8.6	MG/KG	-
Copper													N*	22	MG/KG	J
Iron													E*	17400	MG/KG	J
Lead													N*	13.7	MG/KG	J
Magnesium														25100	MG/KG	-
Manganese													E	341	MG/KG	J
Mercury													U	.12	MG/KG	U
Molybdenum														10.9	MG/KG	-
Nickel														23.9	MG/KG	-
Potassium													B	1190	MG/KG	-
Selenium													UN	.5	MG/KG	UJ
Silicon													*	888	MG/KG	-
Silver														13.7	MG/KG	-
Sodium													B	227	MG/KG	-
Thallium													U	.5	MG/KG	UJ
Tin													U	51.3	MG/KG	U

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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772				1772				1770				1770			
Sample ID:		063310				063314				063328				063330			
Sample Date:		08-AUG-91				08-AUG-91				11-AUG-91				11-AUG-91			
Top Depth (ft):		18				0				4				6.5			
Bottom Depth (ft):		36.5				36.5				6				7			
Beryllium	N	3.5	MG/KG	J													
Boron	N	59.8	MG/KG	J													
Cadmium		2.4	MG/KG	-													
Calcium		44500	MG/KG	-													
Chromium	N	65.9	MG/KG	J													
Cobalt		17	MG/KG	-													
Copper	N*	118	MG/KG	J													
Iron	E*	14900	MG/KG	J													
Lead	N*	299	MG/KG	J													
Magnesium		15900	MG/KG	-													
Manganese	E	5230	MG/KG	J													
Mercury		.21	MG/KG	-													
Molybdenum		17.6	MG/KG	-													
Nickel		47.7	MG/KG	-													
Potassium		2060	MG/KG	-													
Selenium	BSN	1.3	MG/KG	J													
Silicon	*	1310	MG/KG	-													
Silver		19.9	MG/KG	-													
Sodium		2310	MG/KG	-													
Thallium	B	.66	MG/KG	-													
Tin																	

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Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770				1770				1770				1771			
Sample ID:		063390				063392				063394				063412			
Sample Date:		12-AUG-91				12-AUG-91				12-AUG-91				13-AUG-91			
Top Depth (ft):		12				24				0				7.5			
Bottom Depth (ft):		24				39				39				8			
Beryllium	N	7.4	MG/KG	J	N	10.7	MG/KG	J									
Boron		105	MG/KG	UJ		200	MG/KG	UJ									
Cadmium		26.1	MG/KG	J		38.6	MG/KG	J									
Calcium		114000	MG/KG	J		136000	MG/KG	J									
Chromium		106	MG/KG	J		234	MG/KG	J									
Cobalt	B	16.8	MG/KG	J		50.7	MG/KG	J									
Copper		1260	MG/KG	J		1820	MG/KG	J									
Iron		22000	MG/KG	J		25800	MG/KG	J									
Lead		178	MG/KG	J		837	MG/KG	J									
Magnesium		45600	MG/KG	J		51700	MG/KG	J									
Manganese		1810	MG/KG	J		20200	MG/KG	J									
Mercury	N	.85	MG/KG	J	N	.74	MG/KG	J									
Molybdenum		284	MG/KG	J		169	MG/KG	J									
Nickel		124	MG/KG	J		292	MG/KG	J									
Potassium		3370	MG/KG	J	B	1780	MG/KG	J									
Selenium	N	6	MG/KG	J	N	3.6	MG/KG	J									
Silicon	*	2500	MG/KG	J	*	1580	MG/KG	J									
Silver		27.4	MG/KG	J		38.9	MG/KG	J									
Sodium		6310	MG/KG	J		10100	MG/KG	J									
Thallium	B	4.1	MG/KG	J	B	3.6	MG/KG	J									
Tin	U	84.4	MG/KG	UJ		191	MG/KG	J									

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Well/Boring:	1771				1771				1771		
Sample ID:	063474				063476				063478		
Sample Date:	14-AUG-91				14-AUG-91				14-AUG-91		
Top Depth (ft):	14				28				0		
Bottom Depth (ft):	28				41				41		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Beryllium	N	8.1	MG/KG	J	N	2.8	MG/KG	-				
Boron		236	MG/KG	-		85.6	MG/KG	-				
Cadmium		4.9	MG/KG	-		5.7	MG/KG	-				
Calcium		190000	MG/KG	-		150000	MG/KG	-				
Chromium		191	MG/KG	-		112	MG/KG	-				
Cobalt		31.2	MG/KG	-	B	16.2	MG/KG	-				
Copper		2010	MG/KG	-		1100	MG/KG	-				
Iron		10400	MG/KG	-		6490	MG/KG	-				
Lead		805	MG/KG	-		133	MG/KG	-				
Magnesium		39400	MG/KG	-		28800	MG/KG	-				
Manganese		20200	MG/KG	-		8820	MG/KG	J				
Mercury	N	5.1	MG/KG	J	N	2.6	MG/KG	-				
Molybdenum		276	MG/KG	-		83.5	MG/KG	-				
Nickel		162	MG/KG	-		113	MG/KG	-				
Potassium	B	1740	MG/KG	-	B	1040	MG/KG	-				
Selenium	N	3	MG/KG	J	BN	1.3	MG/KG	-				
Silicon	*	5000	MG/KG	J	*	2850	MG/KG	-				
Silver		41.8	MG/KG	-		29.7	MG/KG	-				
Sodium		9600	MG/KG	-		6580	MG/KG	-				
Thallium	B	1.6	MG/KG	-	U	.72	MG/KG	U				
Tin	U	94.7	MG/KG	U	U	78	MG/KG	UJ				

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Well/Boring:	1772				1772				1772				1772		
Sample ID:	063251				063278				063280				063308		
Sample Date:	07-AUG-91				07-AUG-91				07-AUG-91				08-AUG-91		
Top Depth (ft):	6				19.5				22.5				9		
Bottom Depth (ft):	6.5				22				23				18		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Vanadium											28.1	MG/KG	-		
Zinc											55.1	MG/KG	-		
% Moisture															
Total Organic Carbon															
Aluminum															
Antimony															
Arsenic															
Barium															
Beryllium															
Boron															
Cadmium															
Calcium															
Chromium															
Cobalt															
Copper															
Iron															
Lead															
Magnesium															
Manganese															
Mercury															
Molybdenum															

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Print Date: 13-JAN-94
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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Well/Boring:	1772				1772				1770				1770		
Sample ID:	063310				063314				063328				063330		
Sample Date:	08-AUG-91				08-AUG-91				11-AUG-91				11-AUG-91		
Top Depth (ft):	18				0				4				6.5		
Bottom Depth (ft):	36.5				36.5				6				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Vanadium		59.4	MG/KG	-												
Zinc		75.9	MG/KG	-												
% Moisture																
Total Organic Carbon																
Aluminum						1880	UG/L	-	Y							
Antimony						87	UG/L	J	Y							
Arsenic						61.9	UG/L	-	Y							
Barium						584	UG/L	-	Y							
Beryllium					B	4.2	UG/L	-	Y							
Boron						440	UG/L	-	Y							
Cadmium						12.7	UG/L	J	Y							
Calcium						621000	UG/L	-	Y							
Chromium						83.5	UG/L	J	Y							
Cobalt						66	UG/L	-	Y							
Copper						44.4	UG/L	-	Y							
Iron					B	74.4	UG/L	-	Y							
Lead						22	UG/L	-	Y							
Magnesium						76500	UG/L	-	Y							
Manganese					E	21000	UG/L	J	Y							
Mercury					U	.2	UG/L	UJ	Y							
Molybdenum						31.9	UG/L	J	Y							

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Well/Boring:	1770				1770				1770				1771		
Sample ID:	063390				063392				063394				063412		
Sample Date:	12-AUG-91				12-AUG-91				12-AUG-91				13-AUG-91		
Top Depth (ft):	12				24				0				7.5		
Bottom Depth (ft):	24				39				39				8		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Vanadium		2200	MG/KG	J	1560	MG/KG	J								
Zinc		87.8	MG/KG	J	325	MG/KG	J								
% Moisture								63.5	% MOISTU	NV	Y				
Total Organic Carbon															
Aluminum							E	4490	UG/L	J	Y				
Antimony								237	UG/L	-	Y				
Arsenic							S	63.7	UG/L	-	Y				
Barium								486	UG/L	-	Y				
Beryllium								6.1	UG/L	-	Y				
Boron								1090	UG/L	-	Y				
Cadmium								204	UG/L	-	Y				
Calcium								1380000	UG/L	-	Y				
Chromium								142	UG/L	-	Y				
Cobalt								134	UG/L	-	Y				
Copper								1070	UG/L	-	Y				
Iron								144	UG/L	-	Y				
Lead								3.5	UG/L	U	Y				
Magnesium								461000	UG/L	-	Y				
Manganese								57700	UG/L	-	Y				
Mercury							•	2.6	UG/L	J	Y				
Molybdenum								923	UG/L	-	Y				

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1771					1771					1771			
Sample ID:		063474					063476					063478			
Sample Date:		14-AUG-91					14-AUG-91					14-AUG-91			
Top Depth (ft):		14					28					0			
Bottom Depth (ft):		28					41					41			
Vanadium		2110	MG/KG	-			346	MG/KG	-						
Zinc		120	MG/KG	-			118	MG/KG	-						
% Moisture															
Total Organic Carbon												230672	MG/L	-	Y
Aluminum											E	4790	UG/L	J	Y
Antimony												301	UG/L	-	Y
Arsenic												6710	UG/L	-	Y
Barium											B	107	UG/L	-	Y
Beryllium												13.2	UG/L	-	Y
Boron												2070	UG/L	-	Y
Cadmium											B	61.5	UG/L	-	Y
Calcium												1330000	UG/L	-	Y
Chromium												159	UG/L	-	Y
Cobalt												195	UG/L	-	Y
Copper												2260	UG/L	-	Y
Iron												134	UG/L	-	Y
Lead											W	3.6	UG/L	-	Y
Magnesium												320000	UG/L	-	Y
Manganese												102000	UG/L	-	Y
Mercury											*	1.1	UG/L	J	Y
Molybdenum												1720	UG/L	-	Y

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772					1772					1770					1770			
Sample ID:		063310					063314					063328					063330			
Sample Date:		08-AUG-91					08-AUG-91					11-AUG-91					11-AUG-91			
Top Depth (ft):		18					0					4					6.5			
Bottom Depth (ft):		36.5					36.5					6					7			
Nickel							209	UG/L	-	Y										
Potassium							9240	UG/L	-	Y										
Selenium						UWN	2	UG/L	UJ	Y										
Silicon							11300	UG/L	-	Y										
Silver							67.6	UG/L	J	Y										
Sodium							2110000	UG/L	-	Y										
Thallium						U	2	UG/L	U	Y										
Vanadium							57.1	UG/L	J	Y										
Zinc							279	UG/L	-	Y										

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770					1770					1770					1771			
Sample ID:		063390					063392					063394					063412			
Sample Date:		12-AUG-91					12-AUG-91					12-AUG-91					13-AUG-91			
Top Depth (ft):		12					24					0					7.5			
Bottom Depth (ft):		24					39					39					8			
Nickel											E	1210	UG/L	J	Y					
Potassium												16400	UG/L	-	Y					
Selenium											UN*	10	UG/L	UJ	Y					
Silicon												19900	UG/L	-	Y					
Silver												103	UG/L	-	Y					
Sodium																				
Thallium											BWN	3.6	UG/L	J	Y					
Vanadium											E	999	UG/L	J	Y					
Zinc											EN	411	UG/L	J	Y					

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1991 RI/FS - Pit 3
Pit Material Inorganic Results

Well/Boring:	1771					1771					1771				
Sample ID:	063474					063476					063478				
Sample Date:	14-AUG-91					14-AUG-91					14-AUG-91				
Top Depth (ft):	14					28					0				
Bottom Depth (ft):	28					41					41				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Nickel											E	1410	UG/L	J	Y
Potassium												13000	UG/L	-	Y
Selenium											N	218	UG/L	J	Y
Silicon												66800	UG/L	-	Y
Silver												111	UG/L	-	Y
Sodium												82200	UG/L	-	Y
Thallium											SN	22.1	UG/L	-	Y
Vanadium											E	6800	UG/L	J	Y
Zinc											EN	547	UG/L	-	Y

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PIT 3
PIT MATERIAL
ORGANIC RESULTS

Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-03				03-04				03-05				03-06			
Sample ID:	PS-03-008				PS-03-028				PS-03-051				PS-03-072			
Sample Date:	04/06/87				04/08/87				04/09/87				04/10/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	20.0				20.0				20.0				14.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	78	UG/KG	U	U	160	UG/KG	U	U	44	UG/KG	U	U	24	UG/KG	U
4,4-DDE	U	78	UG/KG	U	U	160	UG/KG	U	U	44	UG/KG	U	U	24	UG/KG	U
4,4-DDT	U	78	UG/KG	U	U	160	UG/KG	U	U	44	UG/KG	U	U	24	UG/KG	U
ALDRIN	U	39	UG/KG	U	U	82	UG/KG	U	U	22	UG/KG	U	U	12	UG/KG	U
ALPHA-BHC	U	39	UG/KG	U	U	82	UG/KG	U	U	22	UG/KG	U	U	12	UG/KG	U
AROCLOR 1016	U	390	UG/KG	U	U	820	UG/KG	U	U	220	UG/KG	U	U	120	UG/KG	U
AROCLOR 1221	U	390	UG/KG	U	U	820	UG/KG	U	U	220	UG/KG	U	U	120	UG/KG	U
AROCLOR 1232	U	390	UG/KG	U	U	820	UG/KG	U	U	220	UG/KG	U	U	120	UG/KG	U
AROCLOR 1242	U	390	UG/KG	U	U	820	UG/KG	U	U	220	UG/KG	U	U	120	UG/KG	U
AROCLOR 1248	U	390	UG/KG	U	U	820	UG/KG	U	U	220	UG/KG	U	U	120	UG/KG	U
AROCLOR 1254	J	140	UG/KG	U	J	550	UG/KG	J	J	440	UG/KG	U	J	240	UG/KG	U
AROCLOR 1260	U	780	UG/KG	U	U	1600	UG/KG	U	U	440	UG/KG	U	U	240	UG/KG	U
BETA-BHC	U	39	UG/KG	U	U	82	UG/KG	U	U	22	UG/KG	U	U	12	UG/KG	U
CHLORDANE	U	390	UG/KG	U	U	820	UG/KG	U	U	220	UG/KG	U	U	120	UG/KG	U
DELTA-BHC	U	39	UG/KG	U	U	82	UG/KG	U	U	22	UG/KG	U	U	12	UG/KG	U
DIELDRIN	U	78	UG/KG	U	U	160	UG/KG	U	U	44	UG/KG	U	U	24	UG/KG	U
ENDOSULFAN I	U	39	UG/KG	U	U	82	UG/KG	U	U	22	UG/KG	U	U	12	UG/KG	U
ENDOSULFAN II	U	78	UG/KG	U	U	160	UG/KG	U	U	44	UG/KG	U	U	24	UG/KG	U
ENDOSULFAN SULFATE	U	780	UG/KG	U	U	160	UG/KG	U	U	44	UG/KG	U	U	24	UG/KG	U
ENDRIN	U	78	UG/KG	U	U	160	UG/KG	U	U	44	UG/KG	U	U	24	UG/KG	U
ENDRIN KETONE	U	78	UG/KG	U	U	160	UG/KG	U	U	44	UG/KG	U	U	24	UG/KG	U
GAMMA-BHC(Lindane)	U	39	UG/KG	U	U	82	UG/KG	U	U	22	UG/KG	U	U	12	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-06				03-02				03-07			
Sample ID:	PS-03-088				PS-03-089				PS-03-109			
Sample Date:	4/10/87				04/10/87				04/13/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	14.0				20.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	86	UG/KG	U	U	22	UG/KG	U	U	98	UG/KG	U
4,4-DDE	U	86	UG/KG	U	U	22	UG/KG	U	U	98	UG/KG	U
4,4-DDT	U	86	UG/KG	U	U	22	UG/KG	U	U	98	UG/KG	U
ALDRIN	U	43	UG/KG	U	U	11	UG/KG	U	U	49	UG/KG	U
ALPHA-BHC	U	43	UG/KG	U	U	11	UG/KG	U	U	49	UG/KG	U
AROCLOR 1016	U	430	UG/KG	U	U	110	UG/KG	U	U	490	UG/KG	U
AROCLOR 1221	U	430	UG/KG	U	U	110	UG/KG	U	U	490	UG/KG	U
AROCLOR 1232	U	430	UG/KG	U	U	110	UG/KG	U	U	490	UG/KG	U
AROCLOR 1242	U	430	UG/KG	U	U	110	UG/KG	U	U	490	UG/KG	U
AROCLOR 1248	U	430	UG/KG	U	U	110	UG/KG	U	U	490	UG/KG	U
AROCLOR 1254	J	860	UG/KG	U	J	220	UG/KG	U	J	140	UG/KG	J
AROCLOR 1260	U	860	UG/KG	U	U	220	UG/KG	U	U	980	UG/KG	U
BETA-BHC	U	43	UG/KG	U	U	11	UG/KG	U	U	49	UG/KG	U
CHLORDANE	U	430	UG/KG	U	U	110	UG/KG	U	U	490	UG/KG	U
DELTA-BHC	U	43	UG/KG	U	U	11	UG/KG	U	U	49	UG/KG	U
DIELDRIN	U	86	UG/KG	U	U	22	UG/KG	U	U	98	UG/KG	U
ENDOSULFAN I	U	43	UG/KG	U	U	11	UG/KG	U	U	49	UG/KG	U
ENDOSULFAN II	U	86	UG/KG	U	U	22	UG/KG	U	U	98	UG/KG	U
ENDOSULFAN SULFATE	U	86	UG/KG	U	U	22	UG/KG	U	U	98	UG/KG	U
ENDRIN	U	86	UG/KG	U	U	22	UG/KG	U	U	98	UG/KG	U
ENDRIN KETONE	U	86	UG/KG	U	U	22	UG/KG	U	U	98	UG/KG	U
GAMMA-BHC(Lindane)	U	43	UG/KG	U	U	11	UG/KG	U	U	49	UG/KG	U

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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-03					03-04					03-05					03-06				
Sample ID:	PS-03-008					PS-03-028					PS-03-051					PS-03-072				
Sample Date:	04/06/87					04/08/87					04/09/87					04/10/87				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	20.0					20.0					20.0					14.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
HEPTACHLOR	U	39	UG/KG	U	U	82	UG/KG	U	U	22	UG/KG	U	U	12	UG/KG	U	
HEPTACHLOR EPOXIDE	U	39	UG/KG	U	U	82	UG/KG	U	U	22	UG/KG	U	U	12	UG/KG	U	
METHOXYCHLOR	U	390	UG/KG	U	U	820	UG/KG	U	U	220	UG/KG	U	U	120	UG/KG	U	
TOXAPHENE	U	780	UG/KG	U	U	1600	UG/KG	U	U	440	UG/KG	U	U	240	UG/KG	U	
1,2,4-TRICHLOROBENZENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U	
1,2-DICHLOROBENZENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U	
1,3-DICHLOROBENZENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U	
1,4-DICHLOROBENZENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U	
2,4,5-TRICHLOROPHENOL	U	4500	UG/KG	U	U	4800	UG/KG	U	U	2600	UG/KG	R	U	2800	UG/KG	UJ	
2,4,6-TRICHLOROPHENOL	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	R	U	560	UG/KG	U	
2,4-DICHLOROPHENOL	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	R	U	560	UG/KG	U	
2,4-DIMETHYLPHENOL	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U	
2,4-DINITROPHENOL	U	4500	UG/KG	R	U	4800	UG/KG	R	U	2600	UG/KG	R	U	2800	UG/KG	UJ	
2,4-DINITROTOLUENE	U	900	UG/KG	UJ	U	960	UG/KG	UJ	U	510	UG/KG	U	U	560	UG/KG	U	
2,6-DINITROTOLUENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	UJ	U	560	UG/KG	UJ	
2-CHLORONAPHTHALENE	U	900	UG/KG	U	U	9600	UG/KG	U	U	510	UG/KG	UJ	U	560	UG/KG	UJ	
2-CHLOROPHENOL	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	R	U	560	UG/KG	U	
2-METHYLNAPHTHALENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U	
2-METHYLPHENOL	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	R	U	560	UG/KG	U	
2-NITROANILINE	U	4500	UG/KG	UJ	U	4800	UG/KG	UJ	U	2600	UG/KG	U	U	2800	UG/KG	U	
2-NITROPHENOL	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	R	U	560	UG/KG	U	
3,3-DICHLOROBENZIDINE	U	1800	UG/KG	UJ	U	1900	UG/KG	UJ	U	1000	UG/KG	U	U	1100	UG/KG	U	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-06				03-02				03-07			
Sample ID:	PS-03-088				PS-03-089				PS-03-109			
Sample Date:	4/10/87				04/10/87				04/13/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	14.0				20.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	43	UG/KG	U	U	11	UG/KG	U	U	49	UG/KG	U
HEPTACHLOR EPOXIDE	U	43	UG/KG	U	U	11	UG/KG	U	U	49	UG/KG	U
METHOXYCHLOR	U	430	UG/KG	U	U	110	UG/KG	U	U	490	UG/KG	U
TOXAPHENE	U	860	UG/KG	U	U	220	UG/KG	U	U	980	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
1,2-DICHLOROBENZENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
1,3-DICHLOROBENZENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
1,4-DICHLOROBENZENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	2500	UG/KG	UJ	U	2600	UG/KG	UJ	U	2900	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
2,4-DICHLOROPHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
2,4-DIMETHYLPHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
2,4-DINITROPHENOL	U	2500	UG/KG	U	U	2600	UG/KG	UJ	U	2900	UG/KG	U
2,4-DINITROTOLUENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
2,6-DINITROTOLUENE	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
2-CHLORONAPHTHALENE	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
2-CHLOROPHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
2-METHYLNAPHTHALENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
2-METHYLPHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
2-NITROANILINE	U	2500	UG/KG	U	U	2600	UG/KG	U	U	2900	UG/KG	U
2-NITROPHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
3,3-DICHLOROBENZIDINE	U	1000	UG/KG	UJ	U	1000	UG/KG	U	U	1100	UG/KG	UJ

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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-03					03-04					03-05					03-06		
Sample ID:	PS-03-008					PS-03-028					PS-03-051					PS-03-072		
Sample Date:	04/06/87					04/08/87					04/09/87					04/10/87		
Top Depth (ft):	0.0					0.0					0.0					0.0		
Bottom Depth (ft):	20.0					20.0					20.0					14.0		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
3-NITROANILINE	U	4500	UG/KG	UJ		U	4800	UG/KG	UJ		U	2600	UG/KG	UJ		U	2800	UG/KG	UJ	
4,6-DINITRO-2-METHYLPHENOL	U	4500	UG/KG	U		U	4800	UG/KG	U		U	2600	UG/KG	R		U	2800	UG/KG	UJ	
4-BROMOPHENYL PHENYL ETHER	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	U	
4-CHLORO-3-METHYLPHENOL	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	R		U	560	UG/KG	U	
4-CHLOROANILINE	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	U	
4-CHLOROPHENOL PHENYL ETHER	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	UJ		U	560	UG/KG	UJ	
4-METHYLPHENOL	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	R		U	560	UG/KG	U	
4-NITROANILINE	U	4500	UG/KG	UJ		U	4800	UG/KG	UJ		U	2600	UG/KG	UJ		U	2800	UG/KG	UJ	
4-NITROPHENOL	U	4500	UG/KG	R		U	4800	UG/KG	R		U	2600	UG/KG	R		U	2800	UG/KG	UJ	
ACENAPHTHENE	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	UJ		U	560	UG/KG	U	
ACENAPHTHYLENE	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	UJ	
ANTHRACENE	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	U	
BENZO(A)ANTHRACENE	U	900	UG/KG	UJ		U	960	UG/KG	UJ		U	510	UG/KG	U		U	560	UG/KG	U	
BENZO(A)PYRENE	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	U	
BENZO(B)FLUORANTHENE	U	900	UG/KG	UJ		U	960	UG/KG	UJ		U	510	UG/KG	U		U	560	UG/KG	U	
BENZO(G,H,I)PERYLENE	U	900	UG/KG	UJ		U	960	UG/KG	UJ		U	510	UG/KG	UJ		U	560	UG/KG	UJ	
BENZO(K)FLUORANTHENE	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	U	
BENZOIC ACID	U	4500	UG/KG	R		U	4800	UG/KG	R		U	2600	UG/KG	R		U	2800	UG/KG	R	
BENZYL ALCOHOL	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	U	
BIS(2-CHLOROETHOXY)METHANE	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	U	
BIS(2-CHLOROETHYL)ETHER	U	900	UG/KG	U		U	960	UG/KG	U		U	510	UG/KG	U		U	560	UG/KG	U	
BIS(2-CHLOROISOPROPYL)ETHER	U	900	UG/KG	UJ		U	960	UG/KG	UJ		U	510	UG/KG	U		U	560	UG/KG	U	

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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-06				03-02				03-07			
Sample ID:	PS-03-088				PS-03-089				PS-03-109			
Sample Date:	4/10/87				04/10/87				04/13/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	14.0				20.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	2500	UG/KG	UJ	U	2600	UG/KG	UJ	U	2900	UG/KG	UJ
4,6-DINITRO-2-METHYLPHENOL	U	2500	UG/KG	U	U	2600	UG/KG	UJ	U	2900	UG/KG	U
4-BROMOPHENYL PHENYL ETHER	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
4-CHLOROANILINE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
4-METHYLPHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
4-NITROANILINE	U	2500	UG/KG	UJ	U	2600	UG/KG	UJ	U	2900	UG/KG	UJ
4-NITROPHENOL	U	2500	UG/KG	U	U	2600	UG/KG	UJ	U	2900	UG/KG	U
ACENAPHTHENE	U	500	UG/KG	U	U	520	UG/KG	UJ	U	570	UG/KG	UJ
ACENAPHTHYLENE	U	500	UG/KG	UJ	U	520	UG/KG	U	U	570	UG/KG	U
ANTHRACENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
BENZO(A)ANTHRACENE	U	500	UG/KG	U	U	520	UG/KG	U	J	60	UG/KG	J
BENZO(A)PYRENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
BENZO(B)FLUORANTHENE	U	500	UG/KG	U	U	520	UG/KG	U	J	110	UG/KG	J
BENZO(G,H,I)PERYLENE	U	500	UG/KG	U	U	520	UG/KG	UJ	U	570	UG/KG	U
BENZO(K)FLUORANTHENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
BENZOIC ACID	U	2500	UG/KG	R	U	2600	UG/KG	R	U	2900	UG/KG	R
BENZYL ALCOHOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
BIS(2-CHLOROISOPROPYL)ETHER	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U

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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-03				03-04				03-05				03-06			
Sample ID:	PS-03-008				PS-03-028				PS-03-051				PS-03-072			
Sample Date:	04/06/87				04/08/87				04/09/87				04/10/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	20.0				20.0				20.0				14.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	J	250	UG/KG	J	J	480	UG/KG	J	J	280	UG/KG	J	J	110	UG/KG	J
BIS(CHLOROMETHYL)ETHER																
BUTYL BENZYL PHTHALATE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
C-10 UNK HYDROCARBON																
CHRYSENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
DI-N-BUTYLPHTHALATE	U	900	UG/KG	U	U	960	UG/KG	U	J	84	UG/KG	J	J	84	UG/KG	J
DI-N-OCTYLPHTHALATE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
DIBENZO(A,H)ANTHRACENE	U	900	UG/KG	UJ	U	960	UG/KG	UJ	U	510	UG/KG	UJ	U	560	UG/KG	UJ
DIBENZOFURAN	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	UJ	U	560	UG/KG	UJ
DIETHYL PHTHALATE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	UJ	U	560	UG/KG	UJ
DIMETHYL PHTHALATE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	UJ	U	560	UG/KG	UJ
DIPROPYLAMINE																
FLUORANTHENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
FLUORENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	UJ	U	560	UG/KG	UJ
HEXACHLOROBENZENE	U	900	UG/KG	UJ	U	960	UG/KG	UJ	U	510	UG/KG	UJ	U	560	UG/KG	UJ
HEXACHLOROBUTADIENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	900	UG/KG	UJ	U	960	UG/KG	UJ	U	510	UG/KG	UJ	U	560	UG/KG	UJ
HEXACHLOROETHANE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
INDENO(1,2,3-CD)PYRENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	UJ	U	560	UG/KG	UJ
ISOPHORONE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
N-NITROSO-DI-N-PROPYLAMINE	J	130	UG/KG	UJ	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
N-NITROSODIPHENYLAMINE	U	900	UG/KG	UJ	U	960	UG/KG	UJ	U	510	UG/KG	U	U	560	UG/KG	U

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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-06				03-02				03-07			
Sample ID:	PS-03-088				PS-03-089				PS-03-109			
Sample Date:	4/10/87				04/10/87				04/13/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	14.0				20.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	J	280	UG/KG	J		660	UG/KG	U		1100	UG/KG	-
BIS(CHLOROMETHYL)ETHER												
BUTYL BENZYL PHTHALATE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
C-10 UNK HYDROCARBON												
CHRYSENE	U	500	UG/KG	U	U	520	UG/KG	U	J	75	UG/KG	J
DI-N-BUTYLPHTHALATE	J	66	UG/KG	J	J	84	UG/KG	UJ	U	570	UG/KG	U
DI-N-OCTYLPHTHALATE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
DIBENZO(A,H)ANTHRACENE	U	500	UG/KG	U	U	520	UG/KG	UJ	U	570	UG/KG	UJ
DIBENZOFURAN	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
DIETHYL PHTHALATE	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
DIMETHYL PHTHALATE	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
DIPROPYLAMINE												
FLUORANTHENE	U	500	UG/KG	U	U	520	UG/KG	U	J	230	UG/KG	J
FLUORENE	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
HEXACHLOROBENZENE	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
HEXACHLOROBUTADIENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
HEXACHLOROETHANE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
INDENO(1,2,3-CD)PYRENE	U	500	UG/KG	UJ	U	520	UG/KG	UJ	U	570	UG/KG	UJ
ISOPHORONE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
N-NITROSO-DI-N-PROPYLAMINE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
N-NITROSODIPHENYLAMINE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-03				03-04				03-05				03-06		
Sample ID:	PS-03-008				PS-03-028				PS-03-051				PS-03-072		
Sample Date:	04/06/87				04/08/87				04/09/87				04/10/87		
Top Depth (ft):	0.0				0.0				0.0				0.0		
Bottom Depth (ft):	20.0				20.0				20.0				14.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
NITROBENZENE	U	900	UG/KG	UJ	U	960	UG/KG	UJ	U	510	UG/KG	U	U	560	UG/KG	U
PENTACHLOROPHENOL	J	1300	UG/KG	J	J	630	UG/KG	J	U	2600	UG/KG	R	U	2800	UG/KG	U
PHENANTHRENE	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	U	U	560	UG/KG	U
PHENOL	U	900	UG/KG	U	U	960	UG/KG	U	U	510	UG/KG	R	U	560	UG/KG	U
PYRENE	U	900	UG/KG	UJ	U	960	UG/KG	UJ	U	510	UG/KG	U	U	560	UG/KG	U
1,1,1-TRICHLOROETHANE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
1,1,2,2-TETRACHLOROETHANE	U	410	UG/KG	UJ	U	420	UG/KG	UJ	U	220	UG/KG	UJ	U	260	UG/KG	UJ
1,1,2-TRICHLOROETHANE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
1,1-DICHLOROETHANE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
1,1-DICHLOROETHENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
1,2-DICHLOROETHANE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
1,2-DICHLOROETHENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
1,2-DICHLOROPROPANE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
1,2-DICHLOROPROPENE																
1,3-DICHLOROPROPENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
1,3-DICHLOROPROPYLENE																
2-BUTANONE	U	810	UG/KG	R	U	830	UG/KG	R	U	440	UG/KG	R	U	510	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	810	UG/KG	R	U	830	UG/KG	R	U	440	UG/KG	R	U	510	UG/KG	R
2-HEXANONE	U	810	UG/KG	UJ	U	830	UG/KG	UJ	U	440	UG/KG	UJ	U	510	UG/KG	UJ
4-METHYL-2-PENTANONE	U	810	UG/KG	UJ	U	830	UG/KG	UJ	U	440	UG/KG	UJ	U	510	UG/KG	
4-METHYLPHENOLPROPHYL ETHER																

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-06				03-02				03-07			
Sample ID:	PS-03-088				PS-03-089				PS-03-109			
Sample Date:	4/10/87				04/10/87				04/13/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	14.0				20.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
NITROBENZENE	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
PENTACHLOROPHENOL	U	2500	UG/KG	U	U	2600	UG/KG	U	U	2900	UG/KG	U
PHENANTHRENE	U	500	UG/KG	U	U	520	UG/KG	U	J	120	UG/KG	J
PHENOL	U	500	UG/KG	U	U	520	UG/KG	U	U	570	UG/KG	U
PYRENE	U	500	UG/KG	U	U	520	UG/KG	U	J	190	UG/KG	J
1,1,1-TRICHLOROETHANE					U	240	UG/KG	U	U	270	UG/KG	U
1,1,2,2-TETRACHLOROETHANE					U	240	UG/KG	UJ	U	270	UG/KG	U
1,1,2-TRICHLOROETHANE					U	240	UG/KG	U	U	270	UG/KG	U
1,1-DICHLOROETHANE					U	240	UG/KG	U	U	270	UG/KG	U
1,1-DICHLOROETHENE					U	240	UG/KG	U	U	270	UG/KG	U
1,2-DICHLOROETHANE					U	240	UG/KG	U	U	270	UG/KG	U
1,2-DICHLOROETHENE					U	240	UG/KG	U	U	270	UG/KG	U
1,2-DICHLOROPROPANE					U	240	UG/KG	U	U	270	UG/KG	U
1,2-DICHLOROPROPENE												
1,3-DICHLOROPROPENE					U	240	UG/KG	U	U	270	UG/KG	U
1,3-DICHLOROPROPYLENE												
2-BUTANONE					U	470	UG/KG	R		3600	UG/KG	J
2-CHLOROETHYL VINYL ETHER					U	470	UG/KG	R	U	530	UG/KG	U
2-HEXANONE					U	470	UG/KG	UJ	U	530	UG/KG	UJ
4-METHYL-2-PENTANONE					U	470	UG/KG	UJ	U	530	UG/KG	UJ
4-METHYLPHENOLPROPHYL ETHER												

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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-03				03-04				03-05				03-06			
Sample ID:	PS-03-008				PS-03-028				PS-03-051				PS-03-072			
Sample Date:	04/06/87				04/08/87				04/09/87				04/10/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	20.0				20.0				20.0				14.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	JB	810	UG/KG	UJ	JB	830	UG/KG	UJ	JB	440	UG/KG	U	JB	510	UG/KG	U
ACROLEIN																
ACRYLONITRILE																
BENZENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
BROMODICHLOROMETHANE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
BROMOFORM	U	410	UG/KG	UJ	U	420	UG/KG	UJ	U	220	UG/KG	UJ	U	260	UG/KG	UJ
BROMOMETHANE	U	810	UG/KG	U	U	830	UG/KG	U	U	440	UG/KG	U	U	510	UG/KG	U
BUTANOIC ACID, METHYL ESTER																
CARBON DISULFIDE	U	410	UG/KG	UJ	U	420	UG/KG	UJ	U	220	UG/KG	UJ	U	260	UG/KG	UJ
CARBON TETRACHLORIDE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
CHLOROBENZENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
CHLOROETHANE	U	810	UG/KG	U	U	830	UG/KG	U	U	440	UG/KG	U	U	510	UG/KG	U
CHLOROFORM	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
CHLOROMETHANE	U	810	UG/KG	UJ	U	830	UG/KG	UJ	U	440	UG/KG	UJ	U	510	UG/KG	UJ
DIBROMOCHLOROMETHANE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
DICHLORODIFLUOROMETHANE																
ETHYLBENZENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
METHYLENE CHLORIDE	U	410	UG/KG	R	U	420	UG/KG	R	U	220	UG/KG	R	U	260	UG/KG	R
STYRENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
TETRACHLOROETHENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
TOLUENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U
TOTAL XYLENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U

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Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-06				03-02				03-07			
Sample ID:	PS-03-088				PS-03-089				PS-03-109			
Sample Date:	4/10/87				04/10/87				04/13/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	14.0				20.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE					JB	470	UG/KG	U	BJ	530	UG/KG	U
ACROLEIN												
ACRYLONITRILE												
BENZENE					U	240	UG/KG	U	U	270	UG/KG	U
BROMODICHLOROMETHANE					U	240	UG/KG	U	U	270	UG/KG	U
BROMOFORM					U	240	UG/KG	UJ	U	270	UG/KG	UJ
BROMOMETHANE					U	470	UG/KG	U	U	530	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER												
CARBON DISULFIDE					U	240	UG/KG	UJ	U	270	UG/KG	U
CARBON TETRACHLORIDE					U	240	UG/KG	U	U	270	UG/KG	UJ
CHLOROBENZENE					U	240	UG/KG	U	U	270	UG/KG	U
CHLOROETHANE					U	470	UG/KG	U	U	530	UG/KG	UJ
CHLOROFORM					U	240	UG/KG	U	U	270	UG/KG	U
CHLOROMETHANE					U	470	UG/KG	UJ	U	530	UG/KG	U
DIBROMOCHLOROMETHANE					U	240	UG/KG	U	U	270	UG/KG	U
DICHLORODIFLUOROMETHANE												
ETHYLBENZENE					U	240	UG/KG	U	U	270	UG/KG	U
METHYLENE CHLORIDE					U	240	UG/KG	R		420	UG/KG	-
STYRENE					U	240	UG/KG	U	U	270	UG/KG	U
TETRACHLOROETHENE					U	240	UG/KG	U	U	270	UG/KG	U
TOLUENE					U	240	UG/KG	U	U	270	UG/KG	U
TOTAL XYLENE					U	240	UG/KG	U	U	270	UG/KG	U

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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-03					03-04					03-05					03-06				
Sample ID:	PS-03-008					PS-03-028					PS-03-051					PS-03-072				
Sample Date:	04/06/87					04/08/87					04/09/87					04/10/87				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	20.0					20.0					20.0					14.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
TRANS-1,2-DICHLOROETHENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U	
TRICHLOROETHENE	U	410	UG/KG	U	U	420	UG/KG	U	U	220	UG/KG	U	U	260	UG/KG	U	
VINYL ACETATE	U	810	UG/KG	UJ	U	830	UG/KG	UJ	U	440	UG/KG	UJ	U	510	UG/KG	UJ	
VINYL CHLORIDE	U	810	UG/KG	U	U	830	UG/KG	U	U	440	UG/KG	U	U	510	UG/KG	U	

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Characterization Investigation Study - Pit 3
Pit Material Organic Results

Well/Boring:	03-06				03-02				03-07			
Sample ID:	PS-03-088				PS-03-089				PS-03-109			
Sample Date:	4/10/87				04/10/87				04/13/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	14.0				20.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
TRANS-1,2-DICHLOROETHENE					U	240	UG/KG	U	U	270	UG/KG	U
TRICHLOROETHENE					U	240	UG/KG	U	U	270	UG/KG	U
VINYL ACETATE					U	470	UG/KG	UJ	U	530	UG/KG	UJ
VINYL CHLORIDE					U	470	UG/KG	U	U	530	UG/KG	U

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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772				1772				1772				1770			
Sample ID:		063308				063310				063314				063330			
Sample Date:		08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91			
Top Depth (ft):		9				18				0				6.5			
Bottom Depth (ft):		18				36.5				36.5				7			
1,2,3,4,6,7,8-HpCDD	U	.11	UG/KG	U		.22	UG/KG	-									
1,2,3,4,6,7,8-HpCDF	U	.027	UG/KG	U	U	.032	UG/KG	UJ									
1,2,3,4,7,8,9-Heptachlorodiben	U	.035	UG/KG	U	U	.12	UG/KG	U									
1,2,3,4,7,8-Hexachlorodibenzo-	U	.051	UG/KG	U	U	.26	UG/KG	U									
1,2,3,4,7,8-Hexachlorodibenzof	U	.014	UG/KG	U	U	.01	UG/KG	U									
1,2,3,6,7,8-Hexachlorodibenzo-	U	.04	UG/KG	U	U	.21	UG/KG	U									
1,2,3,6,7,8-Hexachlorodibenzof	U	.013	UG/KG	U	U	.01	UG/KG	U									
1,2,3,7,8,9-Hexachlorodibenzo-	U	.042	UG/KG	U	U	.22	UG/KG	U									
1,2,3,7,8,9-Hexachlorodibenzof	U	.016	UG/KG	U	U	.012	UG/KG	U									
1,2,3,7,8-Pentachlorodibenzo-p	U	.014	UG/KG	UJ	U	.32	UG/KG	UJ									
1,2,3,7,8-Pentachlorodibenzofu	U	.018	UG/KG	UJ	U	.031	UG/KG	UJ									
2,3,4,6,7,8-Hexachlorodibenzof	U	.016	UG/KG	U	U	.012	UG/KG	U									
2,3,4,7,8-Pentachlorodibenzofu	U	.018	UG/KG	UJ	U	.03	UG/KG	UJ									
2,3,7,8-TCDD	U	.29	UG/KG	U	U	.29	UG/KG	U									
2,3,7,8-TCDF	U	.33	UG/KG	U	U	.3	UG/KG	U									
Heptachlorodibenzo-p-dioxin	U	.11	UG/KG	U		.44	UG/KG	-									
Heptachlorodibenzofuran	U	.03	UG/KG	UJ		.11	UG/KG	-									
Hexachlorodibenzo-p-dioxin	U	.044	UG/KG	U	U	.23	UG/KG	U									
Hexachlorodibenzofuran	U	.015	UG/KG	UJ		.031	UG/KG	J									
Octachlorodibenzo-p-dioxin		4.8	UG/KG	J		3.7	UG/KG	J									
Octachlorodibenzofuran	U	.041	UG/KG	UJ		.25	UG/KG	J									

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770					1770					1770					1770			
Sample ID:		063358					063359					063377					063390			
Sample Date:		11-AUG-91					11-AUG-91					12-AUG-91					12-AUG-91			
Top Depth (ft):		22					22.5					33					12			
Bottom Depth (ft):		22.5					23					33.5					24			
1,2,3,4,6,7,8-HpCDD																	.44	UG/KG		-
1,2,3,4,6,7,8-HpCDF																U	.16	UG/KG		UJ
1,2,3,4,7,8,9-Heptachlorodiben																U	.23	UG/KG		UJ
1,2,3,4,7,8-Hexachlorodibenzo-																U	.19	UG/KG		U
1,2,3,4,7,8-Hexachlorodibenzof																U	.22	UG/KG		UJ
1,2,3,6,7,8-Hexachlorodibenzo-																U	.15	UG/KG		U
1,2,3,6,7,8-Hexachlorodibenzof																U	.2	UG/KG		UJ
1,2,3,7,8,9-Hexachlorodibenzo-																U	.16	UG/KG		U
1,2,3,7,8,9-Hexachlorodibenzof																U	.26	UG/KG		UJ
1,2,3,7,8-Pentachlorodibenzo-p																U	.15	UG/KG		U
1,2,3,7,8-Pentachlorodibenzofu																U	.06	UG/KG		U
2,3,4,6,7,8-Hexachlorodibenzof																U	.23	UG/KG		UJ
2,3,4,7,8-Pentachlorodibenzofu																U	.065	UG/KG		U
2,3,7,8-TCDD																U	.22	UG/KG		U
2,3,7,8-TCDF																U	.095	UG/KG		U
Heptachlorodibenzo-p-dioxin																	.75	UG/KG		-
Heptachlorodibenzofuran																	.22	UG/KG		J
Hexachlorodibenzo-p-dioxin																U	.16	UG/KG		U
Hexachlorodibenzofuran																U	.27	UG/KG		U
Octachlorodibenzo-p-dioxin																	5.3	UG/KG		J
Octachlorodibenzofuran																	.2	UG/KG		J

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Pit Material Organic Results

Well/Boring:		1770				1770				1771				1771		
Sample ID:		063392				063394				063412				063431		
Sample Date:		12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):		24				0				7.5				17		
Bottom Depth (ft):		39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
1,2,3,4,6,7,8-HpCDD		1.7	UG/KG	J									
1,2,3,4,6,7,8-HpCDF		.21	UG/KG	J									
1,2,3,4,7,8,9-Heptachlorodiben	U	.22	UG/KG	UJ									
1,2,3,4,7,8-Hexachlorodibenzo-	U	.32	UG/KG	UJ									
1,2,3,4,7,8-Hexachlorodibenzof	U	.13	UG/KG	UJ									
1,2,3,6,7,8-Hexachlorodibenzo-	U	.26	UG/KG	UJ									
1,2,3,6,7,8-Hexachlorodibenzof	U	.11	UG/KG	UJ									
1,2,3,7,8,9-Hexachlorodibenzo-	U	.27	UG/KG	UJ									
1,2,3,7,8,9-Hexachlorodibenzof	U	.15	UG/KG	UJ									
1,2,3,7,8-Pentachlorodibenzo-p	U	.15	UG/KG	U									
1,2,3,7,8-Pentachlorodibenzofu	U	.095	UG/KG	U									
2,3,4,6,7,8-Hexachlorodibenzof	U	.13	UG/KG	UJ									
2,3,4,7,8-Pentachlorodibenzofu	U	.11	UG/KG	U									
2,3,7,8-TCDD	U	.18	UG/KG	U									
2,3,7,8-TCDF	U	.17	UG/KG	U									
Heptachlorodibenzo-p-dioxin		3.2	UG/KG	J									
Heptachlorodibenzofuran		.95	UG/KG	J									
Hexachlorodibenzo-p-dioxin	U	.28	UG/KG	UJ									
Hexachlorodibenzofuran		.35	UG/KG	J									
Octachlorodibenzo-p-dioxin		19.4	UG/KG	J									
Octachlorodibenzofuran		1.1	UG/KG	J									

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1771					1771					1771					1771			
Sample ID:		063432					063467					063474					063476			
Sample Date:		13-AUG-91					13-AUG-91					14-AUG-91					14-AUG-91			
Top Depth (ft):		17.5					38					14					28			
Bottom Depth (ft):		18					38.5					28					41			
1,2,3,4,6,7,8-HpCDD												.8	UG/KG	-			.65	UG/KG	-	
1,2,3,4,6,7,8-HpCDF												.14	UG/KG	-			.14	UG/KG	-	
1,2,3,4,7,8,9-Heptachlorodiben											U	.028	UG/KG	U		U	.15	UG/KG	U	
1,2,3,4,7,8-Hexachlorodibenzo-											U	.085	UG/KG	U		U	.11	UG/KG	U	
1,2,3,4,7,8-Hexachlorodibenzof											U	.13	UG/KG	U		U	.08	UG/KG	U	
1,2,3,6,7,8-Hexachlorodibenzo-												.048	UG/KG	J		U	.85	UG/KG	U	
1,2,3,6,7,8-Hexachlorodibenzof											U	.12	UG/KG	U		U	.075	UG/KG	U	
1,2,3,7,8,9-Hexachlorodibenzo-											U	.07	UG/KG	U		U	.09	UG/KG	U	
1,2,3,7,8,9-Hexachlorodibenzof											U	.15	UG/KG	U		U	.095	UG/KG	U	
1,2,3,7,8-Pentachlorodibenzo-p											U	.14	UG/KG	UJ		U	.11	UG/KG	UJ	
1,2,3,7,8-Pentachlorodibenzofu											U	.085	UG/KG	UJ		U	.055	UG/KG	UJ	
2,3,4,6,7,8-Hexachlorodibenzof											U	.14	UG/KG	U		U	.085	UG/KG	U	
2,3,4,7,8-Pentachlorodibenzofu											U	.095	UG/KG	UJ		U	.06	UG/KG	UJ	
2,3,7,8-TCDD											U	.16	UG/KG	U		U	.34	UG/KG	U	
2,3,7,8-TCDF											U	.12	UG/KG	U		U	.24	UG/KG	U	
Heptachlorodibenzo-p-dioxin												1.4	UG/KG	-			1.3	UG/KG	-	
Heptachlorodibenzofuran												.55	UG/KG	-			.55	UG/KG	J	
Hexachlorodibenzo-p-dioxin												.26	UG/KG	J		U	.085	UG/KG	U	
Hexachlorodibenzofuran												.13	UG/KG	J			.28	UG/KG	-	
Octachlorodibenzo-p-dioxin												8	UG/KG	-			6.3	UG/KG	-	
Octachlorodibenzofuran												.55	UG/KG	-			.48	UG/KG	J	

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Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin	U	.014	UG/KG	UJ	U	.32	UG/KG	UJ								
Pentachlorodibenzofuran	U	.018	UG/KG	UJ	U	.031	UG/KG	UJ								
Tetrachlorodibenzo-p-dioxin	U	.029	UG/KG	U	U	.024	UG/KG	UJ								
Tetrachlorodibenzofuran	U	.031	UG/KG	U	U	.11	UG/KG	UJ								
2,4,5-T	U	51	UG/KG	U												
2,4,5-TP (Silvex)	U	47	UG/KG	U												
2,4-D	U	260	UG/KG	U												
Dinoseb	U	18	UG/KG	U												
Sulfotepp	U	100	UG/KG	U												
Azinphosmethyl	U	200	UG/KG	U												
Demeton	U	200	UG/KG	U												
Diazinon	U	100	UG/KG	U												
Dimethoate	U	100	UG/KG	U												
Disulfoton	U	100	UG/KG	U												
Ethion	U	100	UG/KG	U												
Famphur	U	100	UG/KG	U												
Malathion	U	100	UG/KG	U												
Parathion, ethyl	U	100	UG/KG	U												
Parathion, methyl	U	100	UG/KG	U												
Tetraethylpyrophosphate	U	400	UG/KG	U												
Thionazin	U	100	UG/KG	U												

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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770				1770				1770				1770			
Sample ID:		063358				063359				063377				063390			
Sample Date:		11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91			
Top Depth (ft):		22				22.5				33				12			
Bottom Depth (ft):		22.5				23				33.5				24			
Pentachlorodibenzo-p-dioxin													U	.15	UG/KG	U	
Pentachlorodibenzofuran													U	.065	UG/KG	U	
Tetrachlorodibenzo-p-dioxin													U	.037	UG/KG	U	
Tetrachlorodibenzofuran													U	.06	UG/KG	U	
2,4,5-T													U	84	UG/KG	U	
2,4,5-TP (Silvex)													U	78	UG/KG	U	
2,4-D													U	430	UG/KG	UJ	
Dinoseb													U	30	UG/KG	U	
Sulfotepp													U	5000	UG/KG	U	
Azinphosmethyl													U	51000	UG/KG	U	
Demeton													U	10000	UG/KG	U	
Diazinon													U	5000	UG/KG	U	
Dimethoate													U	5000	UG/KG	U	
Disulfoton													U	5000	UG/KG	U	
Ethion													U	5000	UG/KG	U	
Famphur													U	5000	UG/KG	U	
Malathion													U	5000	UG/KG	U	
Parathion, ethyl													U	5000	UG/KG	U	
Parathion, methyl													U	5000	UG/KG	U	
Tetraethylpyrophosphate													U	21000	UG/KG	U	
Thionazin													U	5000	UG/KG	U	

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Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063412				063431		
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	24				0				7.5				17		
Bottom Depth (ft):	39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin	U	.15	UG/KG	U												
Pentachlorodibenzofuran	U	.1	UG/KG	U												
Tetrachlorodibenzo-p-dioxin	U	.042	UG/KG	U												
Tetrachlorodibenzofuran	U	.06	UG/KG	U												
2,4,5-T																
2,4,5-TP (Silvex)																
2,4-D																
Dinoseb													U	1900	UG/KG	UJ
Sulfotepp													U	940	UG/KG	U
Azinphosmethyl																
Demeton																
Diazinon																
Dimethoate																
Disulfoton																
Ethion																
Famphur																
Malathion																
Parathion, ethyl																
Parathion, methyl																
Tetraethylpyrophosphate																
Thionazin																

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Pit Material Organic Results

Well/Boring:	1771				1771				1771				1771			
Sample ID:	063432				063467				063474				063476			
Sample Date:	13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91			
Top Depth (ft):	17.5				38				14				28			
Bottom Depth (ft):	18				38.5				28				41			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin									U	.14	UG/KG	UJ	U	.11	UG/KG	UJ
Pentachlorodibenzofuran									U	.09	UG/KG	UJ	U	.055	UG/KG	UJ
Tetrachlorodibenzo-p-dioxin									U	.038	UG/KG	U	U	.043	UG/KG	U
Tetrachlorodibenzofuran										.2	UG/KG	J	U	.055	UG/KG	UJ
2,4,5-T									U	110	UG/KG	U				
2,4,5-TP (Silvex)									U	100	UG/KG	U				
2,4-D									U	570	UG/KG	U				
Dinoseb									U	40	UG/KG	U				
Sulfotepp									U	100	UG/KG	U				
Azinphosmethyl									U	200	UG/KG	U				
Demeton									U	200	UG/KG	U				
Diazinon									U	100	UG/KG	U				
Dimethoate									U	100	UG/KG	U				
Disulfoton									U	100	UG/KG	U				
Ethion									U	100	UG/KG	U				
Famphur									U	100	UG/KG	U				
Malathion									U	100	UG/KG	U				
Parathion, ethyl									U	100	UG/KG	U				
Parathion, methyl									U	100	UG/KG	U				
Tetraethylpyrophosphate									U	400	UG/KG	U				
Thionazin									U	100	UG/KG	U				

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	21	UG/KG	U	U	22	UG/KG	U								
4,4-DDE	U	21	UG/KG	U	U	22	UG/KG	U								
4,4-DDT	U	21	UG/KG	U	U	22	UG/KG	U								
Aldrin	U	10	UG/KG	U	U	11	UG/KG	U								
Aroclor-1016	U	100	UG/KG	U	U	110	UG/KG	U								
Aroclor-1221	U	100	UG/KG	U	U	110	UG/KG	U								
Aroclor-1232	U	100	UG/KG	U	U	110	UG/KG	U								
Aroclor-1242	U	100	UG/KG	U	U	110	UG/KG	U								
Aroclor-1248	U	100	UG/KG	U	DX	380	UG/KG	J								
Aroclor-1254	U	210	UG/KG	U	DJX	98	UG/KG	J								
Aroclor-1260	U	210	UG/KG	U	U	220	UG/KG	U								
Dieldrin	U	21	UG/KG	U	U	22	UG/KG	U								
Endosulfan II	U	21	UG/KG	U	U	22	UG/KG	U								
Endosulfan sulfate	U	21	UG/KG	U	U	22	UG/KG	U								
Endosulfan-I	U	10	UG/KG	U	U	11	UG/KG	U								
Endrin	U	21	UG/KG	U	U	22	UG/KG	U								
Endrin ketone	U	21	UG/KG	U	U	22	UG/KG	U								
Heptachlor	U	10	UG/KG	U	U	11	UG/KG	U								
Heptachlor epoxide	U	10	UG/KG	U	U	11	UG/KG	U								
Isodrin	U	10	UG/KG	U												
Kepone	U	21	UG/KG	U												

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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1770				1770		
Sample ID:	063358				063359				063377				063390		
Sample Date:	11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91		
Top Depth (ft):	22				22.5				33				12		
Bottom Depth (ft):	22.5				23				33.5				24		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD													U	34	UG/KG	U
4,4-DDE													U	34	UG/KG	U
4,4-DDT													U	34	UG/KG	U
Aldrin													U	17	UG/KG	U
Aroclor-1016													U	170	UG/KG	U
Aroclor-1221													U	170	UG/KG	U
Aroclor-1232													U	170	UG/KG	U
Aroclor-1242													U	170	UG/KG	U
Aroclor-1248													U	170	UG/KG	U
Aroclor-1254													DJX	390	UG/KG	J
Aroclor-1260													U	340	UG/KG	U
Dieldrin													U	34	UG/KG	U
Endosulfan II													U	34	UG/KG	U
Endosulfan sulfate													U	34	UG/KG	U
Endosulfan-I													U	17	UG/KG	U
Endrin													U	34	UG/KG	U
Endrin ketone													U	34	UG/KG	U
Heptachlor													U	17	UG/KG	U
Heptachlor epoxide													U	17	UG/KG	U
Isodrin													U	17	UG/KG	U
Kepone													U	34	UG/KG	U

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:		1770				1770				1771				1771		
Sample ID:		063392				063394				063412				063431		
Sample Date:		12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):		24				0				7.5				17		
Bottom Depth (ft):		39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
4,4-DDD	U	49	UG/KG	U													
4,4-DDE	U	49	UG/KG	U													
4,4-DDT	U	49	UG/KG	U													
Aldrin	U	24	UG/KG	U													
Aroclor-1016	U	240	UG/KG	U													
Aroclor-1221	U	240	UG/KG	U													
Aroclor-1232	U	240	UG/KG	U													
Aroclor-1242	U	240	UG/KG	U													
Aroclor-1248	XF	1300	UG/KG	J													
Aroclor-1254	XF	1500	UG/KG	J													
Aroclor-1260	U	490	UG/KG	U													
Dieldrin	U	49	UG/KG	U													
Endosulfan II	U	49	UG/KG	U													
Endosulfan sulfate	U	49	UG/KG	U													
Endosulfan-I	U	24	UG/KG	U													
Endrin	U	49	UG/KG	U													
Endrin ketone	U	49	UG/KG	U													
Heptachlor	U	24	UG/KG	U													
Heptachlor epoxide	U	24	UG/KG	U													
Isodrin																	
Kepone																	

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1771				1771				1771				1771			
Sample ID:	063432				063467				063474				063476			
Sample Date:	13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91			
Top Depth (ft):	17.5				38				14				28			
Bottom Depth (ft):	18				38.5				28				41			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD									U	46	UG/KG	U	U	45	UG/KG	U
4,4-DDE									U	46	UG/KG	U	U	45	UG/KG	U
4,4-DDT									U	46	UG/KG	U	U	45	UG/KG	U
Aldrin									U	23	UG/KG	U	U	22	UG/KG	U
Aroclor-1016									U	230	UG/KG	U	U	220	UG/KG	U
Aroclor-1221									U	230	UG/KG	U	U	220	UG/KG	U
Aroclor-1232									U	230	UG/KG	U	U	220	UG/KG	U
Aroclor-1242									U	230	UG/KG	U	U	220	UG/KG	U
Aroclor-1248									XF	812	UG/KG	-	DX	4800	UG/KG	-
Aroclor-1254									XF	680	UG/KG	-	DX	3400	UG/KG	-
Aroclor-1260									U	460	UG/KG	U	U	450	UG/KG	U
Dieldrin									U	46	UG/KG	U	U	45	UG/KG	U
Endosulfan II									U	46	UG/KG	U	U	45	UG/KG	U
Endosulfan sulfate									U	46	UG/KG	U	U	45	UG/KG	U
Endosulfan-I									U	23	UG/KG	U	U	22	UG/KG	U
Endrin									U	46	UG/KG	U	U	45	UG/KG	U
Endrin ketone									U	46	UG/KG	U	U	45	UG/KG	U
Heptachlor									U	23	UG/KG	U	U	22	UG/KG	U
Heptachlor epoxide									U	23	UG/KG	U	U	22	UG/KG	U
Isodrin									U	23	UG/KG	U				
Kepone									U	46	UG/KG	U				

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor	U	100	UG/KG	U	U	110	UG/KG	U								
Toxaphene	U	210	UG/KG	U	U	220	UG/KG	U								
alpha-BHC	U	10	UG/KG	U	U	11	UG/KG	U								
alpha-Chlordane	U	100	UG/KG	U	U	110	UG/KG	U								
beta-BHC	U	10	UG/KG	U	U	11	UG/KG	U								
delta-BHC	U	10	UG/KG	U	U	11	UG/KG	U								
gamma-BHC (Lindane)	U	10	UG/KG	U	U	11	UG/KG	U								
gamma-Chlordane	U	100	UG/KG	U	U	110	UG/KG	U								
1,2,4,5-Tetrachlorobenzene																
1,2,4-Trichlorobenzene	U	430	UG/KG	UJ	U	460	UG/KG	R								
1,2-Dichlorobenzene	U	430	UG/KG	UJ	U	460	UG/KG	R								
1,3,5-Trinitrobenzene																
1,3-Dichlorobenzene	U	430	UG/KG	UJ	U	460	UG/KG	R								
1,3-Dinitrobenzene																
1,4-Dichlorobenzene	U	430	UG/KG	UJ	U	460	UG/KG	R								
1,4-Naphthoquinone																
1-Naphthylamine																
2,3,4,6-Tetrachlorophenol																
2,4,5-Trichlorophenol	U	2100	UG/KG	UJ	U	2200	UG/KG	R								
2,4,6-Trichlorophenol	U	430	UG/KG	UJ	U	460	UG/KG	R								
2,4-Dichlorophenol	U	430	UG/KG	UJ	U	460	UG/KG	R								

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1770				1770		
Sample ID:	063358				063359				063377				063390		
Sample Date:	11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91		
Top Depth (ft):	22				22.5				33				12		
Bottom Depth (ft):	22.5				23				33.5				24		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor													U	170	UG/KG	U
Toxaphene													U	340	UG/KG	U
alpha-BHC													U	17	UG/KG	U
alpha-Chlordane													U	170	UG/KG	U
beta-BHC													U	17	UG/KG	U
delta-BHC													U	17	UG/KG	U
gamma-BHC (Lindane)													U	17	UG/KG	U
gamma-Chlordane													U	170	UG/KG	U
1,2,4,5-Tetrachlorobenzene																
1,2,4-Trichlorobenzene													U	710	UG/KG	UJ
1,2-Dichlorobenzene													U	710	UG/KG	UJ
1,3,5-Trinitrobenzene																
1,3-Dichlorobenzene													U	710	UG/KG	UJ
1,3-Dinitrobenzene																
1,4-Dichlorobenzene													U	710	UG/KG	UJ
1,4-Naphthoquinone																
1-Naphthylamine																
2,3,4,6-Tetrachlorophenol																
2,4,5-Trichlorophenol													U	3400	UG/KG	UJ
2,4,6-Trichlorophenol													U	710	UG/KG	UJ
2,4-Dichlorophenol													U	710	UG/KG	UJ

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063412				063431		
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	24				0				7.5				17		
Bottom Depth (ft):	39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Methoxychlor	U	240	UG/KG	U											
Toxaphene	U	490	UG/KG	U											
alpha-BHC	U	24	UG/KG	UJ											
alpha-Chlordane	U	240	UG/KG	U											
beta-BHC	U	24	UG/KG	U											
delta-BHC	U	24	UG/KG	U											
gamma-BHC (Lindane)	U	24	UG/KG	U											
gamma-Chlordane	U	240	UG/KG	U											
1,2,4,5-Tetrachlorobenzene										U	940	UG/KG	U		
1,2,4-Trichlorobenzene	U	1000	UG/KG	UJ						U	940	UG/KG	U		
1,2-Dichlorobenzene	U	1000	UG/KG	UJ						U	940	UG/KG	U		
1,3,5-Trinitrobenzene										U	940	UG/KG	U		
1,3-Dichlorobenzene	U	1000	UG/KG	UJ						U	940	UG/KG	U		
1,3-Dinitrobenzene										U	940	UG/KG	U		
1,4-Dichlorobenzene	U	1000	UG/KG	UJ						U	940	UG/KG	U		
1,4-Naphthoquinone										U	940	UG/KG	U		
1-Naphthylamine										U	11000	UG/KG	U		
2,3,4,6-Tetrachlorophenol										U	940	UG/KG	U		
2,4,5-Trichlorophenol	U	4900	UG/KG	UJ						U	4600	UG/KG	U		
2,4,6-Trichlorophenol	U	1000	UG/KG	UJ						U	940	UG/KG	U		
2,4-Dichlorophenol	U	1000	UG/KG	UJ						U	940	UG/KG	U		

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1771				1771				1771				1771			
Sample ID:	063432				063467				063474				063476			
Sample Date:	13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91			
Top Depth (ft):	17.5				38				14				28			
Bottom Depth (ft):	18				38.5				28				41			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor									U	230	UG/KG	U	U	220	UG/KG	U
Toxaphene									U	460	UG/KG	U	U	450	UG/KG	U
alpha-BHC									U	23	UG/KG	U	U	22	UG/KG	U
alpha-Chlordane									U	230	UG/KG	U	U	220	UG/KG	U
beta-BHC									U	23	UG/KG	U	U	22	UG/KG	U
delta-BHC									U	23	UG/KG	U	U	22	UG/KG	U
gamma-BHC (Lindane)									U	23	UG/KG	U	U	22	UG/KG	U
gamma-Chlordane									U	230	UG/KG	U	U	220	UG/KG	U
1,2,4,5-Tetrachlorobenzene																
1,2,4-Trichlorobenzene									U	930	UG/KG	R	U	890	UG/KG	R
1,2-Dichlorobenzene									U	930	UG/KG	R	U	890	UG/KG	R
1,3,5-Trinitrobenzene																
1,3-Dichlorobenzene									U	930	UG/KG	R	U	890	UG/KG	R
1,3-Dinitrobenzene																
1,4-Dichlorobenzene									U	930	UG/KG	R	U	890	UG/KG	R
1,4-Naphthoquinone																
1-Naphthylamine																
2,3,4,6-Tetrachlorophenol																
2,4,5-Trichlorophenol									U	4500	UG/KG	R	U	4300	UG/KG	R
2,4,6-Trichlorophenol									U	930	UG/KG	R	U	890	UG/KG	R
2,4-Dichlorophenol									U	930	UG/KG	R	U	890	UG/KG	R

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol	U	430	UG/KG	UJ	U	460	UG/KG	R								
2,4-Dinitrophenol	U	2100	UG/KG	UJ	U	2200	UG/KG	R								
2,4-Dinitrotoluene	U	430	UG/KG	UJ	U	460	UG/KG	R								
2,6-Dichlorophenol																
2,6-Dinitrotoluene	U	430	UG/KG	UJ	U	460	UG/KG	R								
2-Acetylaminofluorene																
2-Chloronaphthalene	U	430	UG/KG	UJ	U	460	UG/KG	R								
2-Chlorophenol	U	430	UG/KG	UJ	U	460	UG/KG	R								
2-Methylnaphthalene	U	430	UG/KG	UJ	U	460	UG/KG	R								
2-Methylphenol	U	430	UG/KG	UJ	U	460	UG/KG	R								
2-Naphthylamine																
2-Nitroaniline	U	2100	UG/KG	UJ	U	2200	UG/KG	R								
2-Nitrophenol	U	430	UG/KG	UJ	U	460	UG/KG	R								
2-Picoline																
3,3'-Dichlorobenzidine	U	850	UG/KG	UJ	U	910	UG/KG	UJ								
3,3'-Dimethylbenzidine																
3-Methylcholanthrene																
3-Methylphenol																
3-Nitroaniline	U	2100	UG/KG	UJ	U	2200	UG/KG	R								
4,6-Dinitro-2-methylphenol	U	2100	UG/KG	UJ	U	2200	UG/KG	R								
4-Aminobiphenyl																

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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770					1770					1770					1770			
Sample ID:		063358					063359					063377					063390			
Sample Date:		11-AUG-91					11-AUG-91					12-AUG-91					12-AUG-91			
Top Depth (ft):		22					22.5					33					12			
Bottom Depth (ft):		22.5					23					33.5					24			
2,4-Dimethylphenol																U	710	UG/KG	UJ	
2,4-Dinitrophenol																U	3400	UG/KG	UJ	
2,4-Dinitrotoluene																U	710	UG/KG	UJ	
2,6-Dichlorophenol																				
2,6-Dinitrotoluene																U	710	UG/KG	UJ	
2-Acetylaminofluorene																				
2-Chloronaphthalene																U	710	UG/KG	UJ	
2-Chlorophenol																U	710	UG/KG	UJ	
2-Methylnaphthalene																U	710	UG/KG	UJ	
2-Methylphenol																U	710	UG/KG	UJ	
2-Naphthylamine																				
2-Nitroaniline																U	3400	UG/KG	UJ	
2-Nitrophenol																U	710	UG/KG	UJ	
2-Picoline																				
3,3'-Dichlorobenzidine																U	1400	UG/KG	UJ	
3,3'-Dimethylbenzidine																				
3-Methylcholanthrene																				
3-Methylphenol																				
3-Nitroaniline																U	3400	UG/KG	UJ	
4,6-Dinitro-2-methylphenol																U	3400	UG/KG	UJ	
4-Aminobiphenyl																				

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063412				063431		
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	24				0				7.5				17		
Bottom Depth (ft):	39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol	U	1000	UG/KG	UJ									U	940	UG/KG	U
2,4-Dinitrophenol	U	4900	UG/KG	UJ									U	4600	UG/KG	UJ
2,4-Dinitrotoluene	U	1000	UG/KG	UJ									U	940	UG/KG	U
2,6-Dichlorophenol													U	940	UG/KG	U
2,6-Dinitrotoluene	U	1000	UG/KG	UJ									U	940	UG/KG	U
2-Acetylaminofluorene													U	940	UG/KG	U
2-Chloronaphthalene	U	1000	UG/KG	UJ									U	940	UG/KG	U
2-Chlorophenol	U	1000	UG/KG	UJ									U	940	UG/KG	U
2-Methylnaphthalene	U	1000	UG/KG	UJ									U	940	UG/KG	U
2-Methylphenol	U	1000	UG/KG	UJ									U	940	UG/KG	U
2-Naphthylamine													U	16000	UG/KG	U
2-Nitroaniline	U	4900	UG/KG	UJ									U	4600	UG/KG	U
2-Nitrophenol	U	1000	UG/KG	UJ									U	940	UG/KG	U
2-Picoline													U	6600	UG/KG	U
3,3'-Dichlorobenzidine	U	2000	UG/KG	UJ									U	1900	UG/KG	U
3,3'-Dimethylbenzidine													U	7700	UG/KG	U
3-Methylcholanthrene													U	2900	UG/KG	U
3-Methylphenol													U	940	UG/KG	U
3-Nitroaniline	U	4900	UG/KG	UJ									U	4600	UG/KG	U
4,6-Dinitro-2-methylphenol	U	4900	UG/KG	UJ									U	4600	UG/KG	U
4-Aminobiphenyl													U	4800	UG/KG	U

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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051229

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1771				1771				1771				1771			
Sample ID:	063432				063467				063474				063476			
Sample Date:	13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91			
Top Depth (ft):	17.5				38				14				28			
Bottom Depth (ft):	18				38.5				28				41			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol									U	930	UG/KG	R	U	890	UG/KG	R
2,4-Dinitrophenol									U	4500	UG/KG	R	U	4300	UG/KG	R
2,4-Dinitrotoluene									U	930	UG/KG	R	U	890	UG/KG	R
2,6-Dichlorophenol																
2,6-Dinitrotoluene									U	930	UG/KG	R	U	890	UG/KG	R
2-Acetylaminofluorene																
2-Chloronaphthalene									U	930	UG/KG	R	U	890	UG/KG	R
2-Chlorophenol									U	930	UG/KG	R	U	890	UG/KG	R
2-Methylnaphthalene									U	930	UG/KG	R	U	890	UG/KG	R
2-Methylphenol									U	930	UG/KG	R	U	890	UG/KG	R
2-Naphthylamine																
2-Nitroaniline									U	4500	UG/KG	R	U	4300	UG/KG	R
2-Nitrophenol									U	930	UG/KG	R	U	890	UG/KG	R
2-Picoline																
3,3'-Dichlorobenzidine									U	1900	UG/KG	UJ	U	1700	UG/KG	UJ
3,3'-Dimethylbenzidine																
3-Methylcholanthrene																
3-Methylphenol																
3-Nitroaniline									U	4500	UG/KG	R	U	4300	UG/KG	R
4,6-Dinitro-2-methylphenol									U	4500	UG/KG	R	U	4300	UG/KG	R
4-Aminobiphenyl																

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether	U	430	UG/KG	UJ	U	460	UG/KG	R								
4-Chloro-3-methylphenol	U	430	UG/KG	UJ	U	460	UG/KG	R								
4-Chloroaniline	U	430	UG/KG	UJ	U	460	UG/KG	R								
4-Chlorophenylphenyl ether	U	430	UG/KG	UJ	U	460	UG/KG	R								
4-Methylphenol	U	430	UG/KG	UJ	U	460	UG/KG	R								
4-Nitroaniline	U	2100	UG/KG	UJ	U	2200	UG/KG	R								
4-Nitrophenol	U	2100	UG/KG	UJ	U	2200	UG/KG	R								
4-Nitroquinoline-1-oxide																
5-Nitro-o-toluidine																
7,12-Dimethylbenz(a)anthracene																
Acenaphthene	U	430	UG/KG	UJ	U	460	UG/KG	R								
Acenaphthylene	J	96	UG/KG	J	U	460	UG/KG	R								
Acetophenone																
Aniline																
Anthracene	J	130	UG/KG	J	U	460	UG/KG	UJ								
Aramite																
Benzo(a)anthracene	J	360	UG/KG	J	U	460	UG/KG	UJ								
Benzo(a)pyrene	J	280	UG/KG	J	U	460	UG/KG	UJ								
Benzo(b)fluoranthene		560	UG/KG	J	U	460	UG/KG	UJ								
Benzo(g,h,i)perylene	J	160	UG/KG	J	U	460	UG/KG	UJ								
Benzo(k)fluoranthene	U	430	UG/KG	UJ	U	460	UG/KG	UJ								

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS -- Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1770				1770		
Sample ID:	063358				063359				063377				063390		
Sample Date:	11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91		
Top Depth (ft):	22				22.5				33				12		
Bottom Depth (ft):	22.5				23				33.5				24		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether													U	710	UG/KG	UJ
4-Chloro-3-methylphenol													U	710	UG/KG	UJ
4-Chloroaniline													U	710	UG/KG	UJ
4-Chlorophenylphenyl ether													U	710	UG/KG	UJ
4-Methylphenol													U	710	UG/KG	UJ
4-Nitroaniline													U	3400	UG/KG	UJ
4-Nitrophenol													U	3400	UG/KG	UJ
4-Nitroquinoline-1-oxide																
5-Nitro-o-toluidine																
7,12-Dimethylbenz(a)anthracene																
Acenaphthene													U	710	UG/KG	UJ
Acenaphthylene													U	710	UG/KG	UJ
Acetophenone																
Aniline																
Anthracene													U	710	UG/KG	UJ
Aramite																
Benzo(a)anthracene													U	710	UG/KG	UJ
Benzo(a)pyrene													U	710	UG/KG	UJ
Benzo(b)fluoranthene													U	710	UG/KG	UJ
Benzo(g,h,i)perylene													U	710	UG/KG	UJ
Benzo(k)fluoranthene													U	710	UG/KG	UJ

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TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063412				063431		
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	24				0				7.5				17		
Bottom Depth (ft):	39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
4-Bromophenyl phenyl ether	U	1000	UG/KG	UJ							U	940	UG/KG	U	
4-Chloro-3-methylphenol	U	1000	UG/KG	UJ							U	940	UG/KG	U	
4-Chloroaniline	U	1000	UG/KG	UJ							U	940	UG/KG	U	
4-Chlorophenylphenyl ether	U	1000	UG/KG	UJ							U	940	UG/KG	U	
4-Methylphenol	U	1000	UG/KG	UJ							U	940	UG/KG	U	
4-Nitroaniline	U	4900	UG/KG	UJ							U	4600	UG/KG	U	
4-Nitrophenol	U	4900	UG/KG	UJ							U	4600	UG/KG	U	
4-Nitroquinoline-1-oxide											U	940	UG/KG	UJ	
5-Nitro-o-toluidine											U	1900	UG/KG	U	
7,12-Dimethylbenz(a)anthracene											U	1900	UG/KG	U	
Acenaphthene	U	1000	UG/KG	UJ							U	940	UG/KG	U	
Acenaphthylene	U	1000	UG/KG	UJ							U	940	UG/KG	U	
Acetophenone											U	940	UG/KG	U	
Aniline											U	4900	UG/KG	U	
Anthracene	U	1000	UG/KG	UJ							U	940	UG/KG	U	
Aramite											U	940	UG/KG	U	
Benzo(a)anthracene	U	1000	UG/KG	UJ							U	940	UG/KG	U	
Benzo(a)pyrene	U	1000	UG/KG	UJ							U	940	UG/KG	U	
Benzo(b)fluoranthene	U	1000	UG/KG	UJ							U	940	UG/KG	U	
Benzo(g,h,i)perylene	U	1000	UG/KG	UJ							U	940	UG/KG	U	
Benzo(k)fluoranthene	U	1000	UG/KG	UJ							U	940	UG/KG	U	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1771				1771				1771				1771			
Sample ID:	063432				063467				063474				063476			
Sample Date:	13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91			
Top Depth (ft):	17.5				38				14				28			
Bottom Depth (ft):	18				38.5				28				41			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether									U	930	UG/KG	R	U	890	UG/KG	R
4-Chloro-3-methylphenol									U	930	UG/KG	R	U	890	UG/KG	R
4-Chloroaniline									U	930	UG/KG	R	U	890	UG/KG	R
4-Chlorophenylphenyl ether									U	930	UG/KG	R	U	890	UG/KG	R
4-Methylphenol									U	930	UG/KG	R	U	890	UG/KG	R
4-Nitroaniline									U	4500	UG/KG	R	U	4300	UG/KG	R
4-Nitrophenol									U	4500	UG/KG	R	U	4300	UG/KG	R
4-Nitroquinoline-1-oxide																
5-Nitro-o-toluidine																
7,12-Dimethylbenz(a)anthracene																
Acenaphthene									U	930	UG/KG	R	U	890	UG/KG	R
Acenaphthylene									U	930	UG/KG	R	U	890	UG/KG	R
Acetophenone																
Aniline																
Anthracene									U	930	UG/KG	UJ	U	890	UG/KG	R
Aramite																
Benzo(a)anthracene									U	930	UG/KG	UJ	U	890	UG/KG	R
Benzo(a)pyrene									U	930	UG/KG	UJ	U	890	UG/KG	R
Benzo(b)fluoranthene									U	930	UG/KG	UJ	U	890	UG/KG	R
Benzo(g,h,i)perylene									U	930	UG/KG	UJ	U	890	UG/KG	R
Benzo(k)fluoranthene									U	930	UG/KG	UJ	U	890	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid	J	44	UG/KG	J	U	2200	UG/KG	R								
Benzyl alcohol	U	430	UG/KG	UJ	U	460	UG/KG	R								
Butyl benzyl phthalate	U	430	UG/KG	UJ	U	460	UG/KG	UJ								
Chlorobenzilate	U	21	UG/KG	U												
Chrysene	J	370	UG/KG	J	U	460	UG/KG	UJ								
Di-n-butyl phthalate	U	430	UG/KG	UJ	U	460	UG/KG	UJ								
Di-n-octyl phthalate	U	430	UG/KG	UJ	U	460	UG/KG	UJ								
Diallate																
Dibenzo(a,h)anthracene	U	430	UG/KG	UJ	U	460	UG/KG	UJ								
Dibenzofuran	U	430	UG/KG	UJ	U	460	UG/KG	R								
Diethyl phthalate	U	430	UG/KG	UJ	U	460	UG/KG	R								
Dimethyl phthalate	U	430	UG/KG	UJ	U	460	UG/KG	R								
Dinoseb	U	18	UG/KG	U												
Diphenylamine																
Ethyl methanesulfonate																
Fluoranthene		720	UG/KG	J	U	460	UG/KG	UJ								
Fluorene	U	430	UG/KG	UJ	U	460	UG/KG	R								
Hexachlorobenzene	U	430	UG/KG	UJ	U	460	UG/KG	R								
Hexachlorobutadiene	U	430	UG/KG	UJ	U	460	UG/KG	R								
Hexachlorocyclopentadiene	U	430	UG/KG	UJ	U	460	UG/KG	R								
Hexachloroethane	U	430	UG/KG	UJ	U	460	UG/KG	R								

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770					1770					1770					1770			
Sample ID:		063358					063359					063377					063390			
Sample Date:		11-AUG-91					11-AUG-91					12-AUG-91					12-AUG-91			
Top Depth (ft):		22					22.5					33					12			
Bottom Depth (ft):		22.5					23					33.5					24			
Benzoic acid																J	370	UG/KG	J	
Benzyl alcohol																U	710	UG/KG	UJ	
Butyl benzyl phthalate																U	710	UG/KG	UJ	
Chlorobenzilate																U	34	UG/KG	U	
Chrysene																U	710	UG/KG	UJ	
Di-n-butyl phthalate																U	710	UG/KG	UJ	
Di-n-octyl phthalate																U	710	UG/KG	UJ	
Diallate																				
Dibenzo(a,h)anthracene																U	710	UG/KG	UJ	
Dibenzofuran																U	710	UG/KG	UJ	
Diethyl phthalate																	4300	UG/KG	J	
Dimethyl phthalate																U	710	UG/KG	UJ	
Dinoseb																U	30	UG/KG	U	
Diphenylamine																				
Ethyl methanesulfonate																				
Fluoranthene																J	120	UG/KG	J	
Fluorene																U	710	UG/KG	UJ	
Hexachlorobenzene																U	710	UG/KG	UJ	
Hexachlorobutadiene																U	710	UG/KG	UJ	
Hexachlorocyclopentadiene																U	710	UG/KG	UJ	
Hexachloroethane																U	710	UG/KG	UJ	

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Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771			
Sample ID:	063392				063394				063412				063431			
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91			
Top Depth (ft):	24				0				7.5				17			
Bottom Depth (ft):	39				39				8				17.5			
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP			
Benzoic acid	U	4900	UG/KG	UJ												
Benzyl alcohol	U	1000	UG/KG	UJ												
Butyl benzyl phthalate	U	1000	UG/KG	UJ							U	4600	UG/KG	U		
Chlorobenzilate											U	940	UG/KG	U		
Chrysene											U	940	UG/KG	U		
Di-n-butyl phthalate	U	1000	UG/KG	UJ												
Di-n-octyl phthalate	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Diallate	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Dibenzo(a,h)anthracene											U	940	UG/KG	U		
Dibenzofuran	U	1000	UG/KG	UJ							U	940	UG/KG	UJ		
Diethyl phthalate	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Dimethyl phthalate	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Dinoseb	U	1000	UG/KG	UJ							J	150	UG/KG	J		
Diphenylamine											U	940	UG/KG	U		
Ethyl methanesulfonate											U	1900	UG/KG	UJ		
Fluoranthene	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Fluorene	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Hexachlorobenzene	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Hexachlorobutadiene	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Hexachlorocyclopentadiene	U	1000	UG/KG	UJ							U	940	UG/KG	U		
Hexachloroethane	U	1000	UG/KG	UJ							U	940	UG/KG	UJ		
											U	940	UG/KG	U		

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1771				1771				1771				1771			
Sample ID:	063432				063467				063474				063476			
Sample Date:	13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91			
Top Depth (ft):	17.5				38				14				28			
Bottom Depth (ft):	18				38.5				28				41			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid									U	4500	UG/KG	R	U	4300	UG/KG	R
Benzyl alcohol									U	930	UG/KG	R	U	890	UG/KG	R
Butyl benzyl phthalate									U	930	UG/KG	UJ	U	890	UG/KG	R
Chlorobenzilate									U	46	UG/KG	U				
Chrysene									U	930	UG/KG	UJ	U	890	UG/KG	R
Di-n-butyl phthalate									U	930	UG/KG	R	U	890	UG/KG	R
Di-n-octyl phthalate									U	930	UG/KG	UJ	U	890	UG/KG	R
Diallate																
Dibenzo(a,h)anthracene									U	930	UG/KG	UJ	U	890	UG/KG	R
Dibenzofuran									U	930	UG/KG	R	U	890	UG/KG	R
Diethyl phthalate									U	930	UG/KG	R	U	890	UG/KG	R
Dimethyl phthalate									U	930	UG/KG	R	U	890	UG/KG	R
Dinoseb									U	40	UG/KG	U				
Diphenylamine																
Ethyl methanesulfonate																
Fluoranthene									U	930	UG/KG	UJ	U	890	UG/KG	R
Fluorene									U	930	UG/KG	R	U	890	UG/KG	R
Hexachlorobenzene									U	930	UG/KG	R	U	890	UG/KG	R
Hexachlorobutadiene									U	930	UG/KG	R	U	890	UG/KG	R
Hexachlorocyclopentadiene									U	930	UG/KG	R	U	890	UG/KG	R
Hexachloroethane									U	930	UG/KG	R	U	890	UG/KG	R

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene																
Hexachloropropene																
Indeno(1,2,3-cd)pyrene	J	130	UG/KG	J	U	460	UG/KG	UJ								
Isophorone	U	430	UG/KG	UJ	U	460	UG/KG	R								
Isosafrole																
Methapyrilene																
Methyl methanesulfonate																
N-Nitroso-di-n-propylamine	U	430	UG/KG	UJ	U	460	UG/KG	R								
N-Nitrosodi-n-butylamine																
N-Nitrosodiethylamine																
N-Nitrosodimethylamine																
N-Nitrosodiphenylamine	U	430	UG/KG	UJ	U	460	UG/KG	R								
N-Nitrosomethylethylamine																
N-Nitrosomorpholine																
N-Nitrosopiperidine																
N-Nitrosopyrrolidine																
Naphthalene	U	430	UG/KG	UJ	U	460	UG/KG	R								
Nitrobenzene	U	430	UG/KG	UJ	U	460	UG/KG	R								
O,O,O-Triethylphosphorothioate	U	100	UG/KG	U												
Pentachlorobenzene																
Pentachloroethane																

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1770				1770		
Sample ID:	063358				063359				063377				063390		
Sample Date:	11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91		
Top Depth (ft):	22				22.5				33				12		
Bottom Depth (ft):	22.5				23				33.5				24		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene																
Hexachloropropene																
Indeno(1,2,3-cd)pyrene													U	710	UG/KG	UJ
Isophorone													J	470	UG/KG	J
Isosafrole																
Methapyrilene																
Methyl methanesulfonate																
N-Nitroso-di-n-propylamine													J	460	UG/KG	J
N-Nitrosodi-n-butylamine																
N-Nitrosodiethylamine																
N-Nitrosodimethylamine																
N-Nitrosodiphenylamine													U	710	UG/KG	UJ
N-Nitrosomethylethylamine																
N-Nitrosomorpholine																
N-Nitrosopiperidine																
N-Nitrosopyrrolidine																
Naphthalene													U	710	UG/KG	UJ
Nitrobenzene													U	710	UG/KG	UJ
O,O,O-Triethylphosphorothioate													U	5000	UG/KG	U
Pentachlorobenzene																
Pentachloroethane																

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063412				063431		
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	24				0				7.5				17		
Bottom Depth (ft):	39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene													U	4900	UG/KG	U
Hexachloropropene													U	1900	UG/KG	UJ
Indeno(1,2,3-cd)pyrene	U	1000	UG/KG	UJ									U	940	UG/KG	U
Isophorone	J	320	UG/KG	J									U	940	UG/KG	U
Isosafrole													U	940	UG/KG	U
Methapyrilene													U	3800	UG/KG	U
Methyl methanesulfonate													U	940	UG/KG	U
N-Nitroso-di-n-propylamine	J	270	UG/KG	J									U	940	UG/KG	U
N-Nitrosodi-n-butylamine													U	1900	UG/KG	U
N-Nitrosodiethylamine													U	940	UG/KG	U
N-Nitrosodimethylamine													U	940	UG/KG	U
N-Nitrosodiphenylamine	U	1000	UG/KG	UJ									U	940	UG/KG	U
N-Nitrosomethylethylamine													U	940	UG/KG	U
N-Nitrosomorpholine													U	940	UG/KG	U
N-Nitrosopiperidine													U	940	UG/KG	U
N-Nitrosopyrrolidine													U	940	UG/KG	U
Naphthalene	U	1000	UG/KG	UJ									U	940	UG/KG	U
Nitrobenzene	U	1000	UG/KG	UJ									U	940	UG/KG	U
O,O,O-Triethylphosphorothioate													U	940	UG/KG	U
Pentachlorobenzene													U	940	UG/KG	UJ
Pentachloroethane													U	1900	UG/KG	U
													U	1900	UG/KG	U

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1771					1771					1771					1771			
Sample ID:		063432					063467					063474					063476			
Sample Date:		13-AUG-91					13-AUG-91					14-AUG-91					14-AUG-91			
Top Depth (ft):		17.5					38					14					28			
Bottom Depth (ft):		18					38.5					28					41			
Hexachlorophene																				
Hexachloropropene																				
Indeno(1,2,3-cd)pyrene											U	930	UG/KG	UJ		U	890	UG/KG	R	
Isophorone											U	930	UG/KG	R		J	220	UG/KG	J	
Isosafrole																				
Methapyrilene																				
Methyl methanesulfonate																				
N-Nitroso-di-n-propylamine											U	930	UG/KG	R		U	890	UG/KG	R	
N-Nitrosodi-n-butylamine																				
N-Nitrosodiethylamine																				
N-Nitrosodimethylamine																				
N-Nitrosodiphenylamine											U	930	UG/KG	R		U	890	UG/KG	R	
N-Nitrosomethylethylamine																				
N-Nitrosomorpholine																				
N-Nitrosopiperidine																				
N-Nitrosopyrrolidine																				
Naphthalene											U	930	UG/KG	R		U	890	UG/KG	R	
Nitrobenzene											U	930	UG/KG	R		U	890	UG/KG	R	
O,O,O-Triethylphosphorothioate											U	100	UG/KG	U						
Pentachlorobenzene																				
Pentachloroethane																				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1772				1772				1772				1772		
Sample ID:		063251				063266				063267				063280		
Sample Date:		07-AUG-91				07-AUG-91				07-AUG-91				07-AUG-91		
Top Depth (ft):		6				13.5				14				22.5		
Bottom Depth (ft):		6.5				14				14.5				23		
Pentachloronitrobenzene																
Pentachlorophenol																
Phenacetin																
Phenanthrene																
Phenol																
Phorate																
Pronamide																
Pyrene																
Pyridine					BU	28.9	UG/KG	R								
Safrole																
Sulfotepp																
Tributyl phosphate																
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl) phthalate																
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane					U	7.23	UG/KG	U								

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1772				1772				1772				1770		
Sample ID:		063308				063310				063314				063330		
Sample Date:		08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):		9				18				0				6.5		
Bottom Depth (ft):		18				36.5				36.5				7		
Pentachloronitrobenzene																
Pentachlorophenol					U	2200	UG/KG	R								
Phenacetin																
Phenanthrene		580	UG/KG	J	U	460	UG/KG	UJ								
Phenol	U	430	UG/KG	UJ	U	460	UG/KG	R								
Phorate	U	100	UG/KG	U												
Pronamide																
Pyrene		620	UG/KG	J	U	460	UG/KG	UJ								
Pyridine																
Safrole																
Sulfotepp	U	100	UG/KG	U												
Tributyl phosphate	U	430	UG/KG	UJ		4400	UG/KG	R								
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane	U	430	UG/KG	UJ	U	460	UG/KG	R								
bis(2-Chloroethyl)ether	U	430	UG/KG	UJ	U	460	UG/KG	R								
bis(2-Chloroisopropyl) ether	U	430	UG/KG	UJ	U	460	UG/KG	R								
bis(2-Ethylhexyl) phthalate	J	230	UG/KG	J	J	49	UG/KG	J								
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane																

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1770				1770		
Sample ID:	063358				063359				063377				063390		
Sample Date:	11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91		
Top Depth (ft):	22				22.5				33				12		
Bottom Depth (ft):	22.5				23				33.5				24		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene																
Pentachlorophenol													J	81	UG/KG	J
Phenacetin																
Phenanthrene													J	77	UG/KG	J
Phenol													U	710	UG/KG	UJ
Phorate													U	5000	UG/KG	U
Pronamide																
Pyrene													J	110	UG/KG	J
Pyridine																
Safrole																
Sulfotepp													U	5000	UG/KG	U
Tributyl phosphate																
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane													U	710	UG/KG	UJ
bis(2-Chloroethyl)ether													U	710	UG/KG	UJ
bis(2-Chloroisopropyl) ether													U	710	UG/KG	UJ
bis(2-Ethylhexyl) phthalate													J	310	UG/KG	J
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane																

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Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771			
Sample ID:	063392				063394				063412				063431			
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91			
Top Depth (ft):	24				0				7.5				17			
Bottom Depth (ft):	39				39				8				17.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene													U	1900	UG/KG	U
Pentachlorophenol	J	1000	UG/KG	J									J	390	UG/KG	J
Phenacetin													U	940	UG/KG	U
Phenanthrene	U	1000	UG/KG	UJ									U	940	UG/KG	U
Phenol	U	1000	UG/KG	UJ									U	940	UG/KG	U
Phorate																
Pronamide													U	2900	UG/KG	U
Pyrene	U	1000	UG/KG	UJ									U	940	UG/KG	U
Pyridine													B	90.3	UG/KG	R
Safrole													U	940	UG/KG	U
Sulfotepp													U	940	UG/KG	U
Tributyl phosphate																
a,a-Dimethylphenethylamine													U	940	UG/KG	U
bis(2-Chloroethoxy)methane	U	1000	UG/KG	UJ									U	940	UG/KG	U
bis(2-Chloroethyl)ether	U	1000	UG/KG	UJ									U	940	UG/KG	U
bis(2-Chloroisopropyl) ether	U	1000	UG/KG	UJ									U	940	UG/KG	U
bis(2-Ethylhexyl) phthalate	J	390	UG/KG	J									J	520	UG/KG	J
o-Toluidine													U	940	UG/KG	U
p-Dimethylaminoazobenzene													U	2900	UG/KG	U
p-Phenylenediamine													U	4800	UG/KG	UJ
1,1,1,2-Tetrachloroethane													U	7.11	UG/KG	U

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Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1771				1771				1771				1771			
Sample ID:	063432				063467				063474				063476			
Sample Date:	13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91			
Top Depth (ft):	17.5				38				14				28			
Bottom Depth (ft):	18				38.5				28				41			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene																
Pentachlorophenol									J	190	UG/KG	J	J	540	UG/KG	J
Phenacetin																
Phenanthrene									U	930	UG/KG	UJ	U	890	UG/KG	R
Phenol									U	930	UG/KG	R	U	890	UG/KG	R
Phorate									U	100	UG/KG	U				
Pronamide																
Pyrene									U	930	UG/KG	UJ	U	890	UG/KG	R
Pyridine																
Safrole																
Sulfotepp									U	100	UG/KG	U				
Tributyl phosphate																
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane									U	930	UG/KG	R	U	890	UG/KG	R
bis(2-Chloroethyl)ether									U	930	UG/KG	R	U	890	UG/KG	R
bis(2-Chloroisopropyl) ether									U	930	UG/KG	R	U	890	UG/KG	R
bis(2-Ethylhexyl) phthalate									J	450	UG/KG	J	J	840	UG/KG	J
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane																

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1772			
Sample ID:	063251				063266				063267				063280			
Sample Date:	07-AUG-91				07-AUG-91				07-AUG-91				07-AUG-91			
Top Depth (ft):	6				13.5				14				22.5			
Bottom Depth (ft):	6.5				14				14.5				23			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane	U	6	UG/KG	U	U	7	UG/KG	UJ					J	2	UG/KG	J
1,1,2,2-Tetrachloroethane	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
1,1,2-Trichloroethane	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
1,1-Dichloroethane	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
1,1-Dichloroethene	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
1,2,3-Trichloropropane					U	7.23	UG/KG	UJ								
1,2-Dibromo-3-chloropropane					U	14.5	UG/KG	UJ								
1,2-Dibromoethane					U	7.23	UG/KG	U								
1,2-Dichloroethane	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
1,2-Dichloroethene (total)																
1,2-Dichloroethylene	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
1,2-Dichloropropane	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
1,4-Dioxane					BU	7230	UG/KG	R								
2-Butanone	U	13	UG/KG	U	J	12	UG/KG	J					BJ	14	UG/KG	UJ
2-Chloro-1,3-butadiene					U	7.23	UG/KG	U								
2-Hexanone	BJ	6	UG/KG	U	U	14	UG/KG	UJ					U	14	UG/KG	UJ
3-Chloropropene					U	7.23	UG/KG	U								
4-Methyl-2-pentanone	U	13	UG/KG	U	U	14	UG/KG	UJ					U	14	UG/KG	UJ
Acetone	BJ	6	UG/KG	UJ		90	UG/KG	J					BJ	7	UG/KG	UJ
Acetonitrile					U	1450	UG/KG	UJ								
Acrolein					U	14.5	UG/KG	UJ								

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane														170	UG/KG	J
1,1,2,2-Tetrachloroethane													U	8	UG/KG	UJ
1,1,2-Trichloroethane													U	8	UG/KG	UJ
1,1-Dichloroethane													U	8	UG/KG	UJ
1,1-Dichloroethene													U	8	UG/KG	UJ
1,2,3-Trichloropropane																
1,2-Dibromo-3-chloropropane																
1,2-Dibromoethane																
1,2-Dichloroethane													U	8	UG/KG	UJ
1,2-Dichloroethene (total)																
1,2-Dichloroethylene													U	8	UG/KG	UJ
1,2-Dichloropropane													U	8	UG/KG	UJ
1,4-Dioxane																
2-Butanone													B	15	UG/KG	UJ
2-Chloro-1,3-butadiene																
2-Hexanone													B	15	UG/KG	UJ
3-Chloropropene																
4-Methyl-2-pentanone													B	15	UG/KG	UJ
Acetone													B	62	UG/KG	UJ
Acetonitrile																
Acrolein																

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1770				1770			
Sample ID:	063358				063359				063377				063390			
Sample Date:	11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91			
Top Depth (ft):	22				22.5				33				12			
Bottom Depth (ft):	22.5				23				33.5				24			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane	U	15	UG/KG	U					U	12	UG/KG	U				
1,1,2,2-Tetrachloroethane	U	15	UG/KG	U					U	12	UG/KG	U				
1,1,2-Trichloroethane	U	15	UG/KG	U					U	12	UG/KG	U				
1,1-Dichloroethane	U	15	UG/KG	U					U	12	UG/KG	U				
1,1-Dichloroethene	U	15	UG/KG	U					U	12	UG/KG	U				
1,2,3-Trichloropropane																
1,2-Dibromo-3-chloropropane																
1,2-Dibromoethane																
1,2-Dichloroethane	U	15	UG/KG	U					U	12	UG/KG	U				
1,2-Dichloroethene (total)																
1,2-Dichloroethylene	U	15	UG/KG	U					U	12	UG/KG	U				
1,2-Dichloropropane	U	15	UG/KG	U					U	12	UG/KG	U				
1,4-Dioxane																
2-Butanone	B	71	UG/KG	J					B	86	UG/KG	J				
2-Chloro-1,3-butadiene																
2-Hexanone	BJ	17	UG/KG	J					BJ	17	UG/KG	J				
3-Chloropropene																
4-Methyl-2-pentanone	BJ	17	UG/KG	J					BJ	17	UG/KG	UJ				
Acetone	BDE	1200	UG/KG	J					BD	1100	UG/KG	J				
Acetonitrile																
Acrolein																

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TCLP = Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771			
Sample ID:	063392				063394				063412				063431			
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91			
Top Depth (ft):	24				0				7.5				17			
Bottom Depth (ft):	39				39				8				17.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane									U	18	UG/KG	UJ	U	7	UG/KG	UJ
1,1,2,2-Tetrachloroethane									U	18	UG/KG	U	U	7	UG/KG	U
1,1,2-Trichloroethane									U	18	UG/KG	U	U	7	UG/KG	U
1,1-Dichloroethane									U	18	UG/KG	U	U	7	UG/KG	U
1,1-Dichloroethene									U	18	UG/KG	U	U	7	UG/KG	U
1,2,3-Trichloropropane													U	7.11	UG/KG	U
1,2-Dibromo-3-chloropropane													U	14.2	UG/KG	UJ
1,2-Dibromoethane													U	7.11	UG/KG	U
1,2-Dichloroethane									U	18	UG/KG	U	U	7	UG/KG	U
1,2-Dichloroethene (total)																
1,2-Dichloroethylene									U	18	UG/KG	U	U	7	UG/KG	U
1,2-Dichloropropane									U	18	UG/KG	U	U	7	UG/KG	U
1,4-Dioxane													J	20.9	UG/KG	R
2-Butanone									BJ	14	UG/KG	R	BJ	13	UG/KG	R
2-Chloro-1,3-butadiene													U	7.11	UG/KG	UJ
2-Hexanone									U	36	UG/KG	UJ	BJ	9	UG/KG	J
3-Chloropropene													U	7.11	UG/KG	U
4-Methyl-2-pentanone									U	36	UG/KG	U	J	3	UG/KG	J
Acetone									B	65	UG/KG	R	B	79	UG/KG	R
Acetonitrile													U	1420	UG/KG	R
Acrolein													U	14.2	UG/KG	R

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TCLP = Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1771				1771				1771				1771		
Sample ID:		063432				063467				063474				063476		
Sample Date:		13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91		
Top Depth (ft):		17.5				38				14				28		
Bottom Depth (ft):		18				38.5				28				41		
1,1,1-Trichloroethane	U	7	UG/KG	UJ	U	15	UG/KG	UJ								
1,1,2,2-Tetrachloroethane	U	7	UG/KG	U	U	15	UG/KG	U								
1,1,2-Trichloroethane	U	7	UG/KG	U	U	15	UG/KG	U								
1,1-Dichloroethane	U	7	UG/KG	U	U	15	UG/KG	U								
1,1-Dichloroethene	U	7	UG/KG	U	U	15	UG/KG	U								
1,2,3-Trichloropropane																
1,2-Dibromo-3-chloropropane																
1,2-Dibromoethane																
1,2-Dichloroethane	U	7	UG/KG	U	U	15	UG/KG	U								
1,2-Dichloroethene (total)																
1,2-Dichloroethylene	U	7	UG/KG	U	U	15	UG/KG	U								
1,2-Dichloropropane	U	7	UG/KG	U	U	15	UG/KG	U								
1,4-Dioxane																
2-Butanone	B	18	UG/KG	R	B	45	UG/KG	R								
2-Chloro-1,3-butadiene																
2-Hexanone	BJ	8	UG/KG	J	BJ	17	UG/KG	UJ								
3-Chloropropene																
4-Methyl-2-pentanone	J	3	UG/KG	J	J	17	UG/KG	J								
Acetone	B	130	UG/KG	R	B	410	UG/KG	R								
Acetonitrile																
Acrolein																

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VQ = Validated Qualifier (See list at front of Appendices)
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Pit Material Organic Results

Well/Boring:	1772				1772				1772				1772			
Sample ID:	063251				063266				063267				063280			
Sample Date:	07-AUG-91				07-AUG-91				07-AUG-91				07-AUG-91			
Top Depth (ft):	6				13.5				14				22.5			
Bottom Depth (ft):	6.5				14				14.5				23			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile					U	14.5	UG/KG	UJ								
Benzene	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Bromodichloromethane	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Bromoform	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Bromomethane	U	13	UG/KG	UJ	U	14	UG/KG	U					U	14	UG/KG	UJ
Carbon Tetrachloride	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Carbon disulfide	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Chlorobenzene	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Chloroethane	U	13	UG/KG	UJ	U	14	UG/KG	U					U	14	UG/KG	UJ
Chloroform	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Chloromethane	U	13	UG/KG	UJ	U	14	UG/KG	U					U	14	UG/KG	UJ
Dibromochloromethane	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Dibromomethane					U	14.5	UG/KG	U								
Dichlorodifluoromethane					U	289	UG/KG	R								
Ethyl cyanide					U	145	UG/KG	UJ								
Ethyl methacrylate					U	14.5	UG/KG	U								
Ethylbenzene	U	6	UG/KG	U	U	7	UG/KG	U					U	7	UG/KG	UJ
Iodomethane					U	7.23	UG/KG	U								
Isobutyl alcohol					U	28.9	UG/KG	R								
Methacrylonitrile					U	14.5	UG/KG	U								
Methyl methacrylate					U	14.5	UG/KG	UJ								

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TCLP - Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772					1772					1772					1770			
Sample ID:		063308					063310					063314					063330			
Sample Date:		08-AUG-91					08-AUG-91					08-AUG-91					11-AUG-91			
Top Depth (ft):		9					18					0					6.5			
Bottom Depth (ft):		18					36.5					36.5					7			
Acrylonitrile																				
Benzene											U	8	UG/KG	UJ						
Bromodichloromethane											U	8	UG/KG	UJ						
Bromoform											U	8	UG/KG	UJ						
Bromomethane											U	15	UG/KG	UJ						
Carbon Tetrachloride											U	8	UG/KG	UJ						
Carbon disulfide											U	8	UG/KG	UJ						
Chlorobenzene											U	8	UG/KG	UJ						
Chloroethane											U	15	UG/KG	UJ						
Chloroform											U	8	UG/KG	UJ						
Chloromethane											U	15	UG/KG	UJ						
Dibromochloromethane											U	8	UG/KG	UJ						
Dibromomethane																				
Dichlorodifluoromethane																				
Ethyl cyanide																				
Ethyl methacrylate																				
Ethylbenzene											U	8	UG/KG	UJ						
Iodomethane																				
Isobutyl alcohol																				
Methacrylonitrile																				
Methyl methacrylate																				

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VQ = Validated Qualifier (See list at front of Appendices)
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1770				1770		
Sample ID:	063358				063359				063377				063390		
Sample Date:	11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91		
Top Depth (ft):	22				22.5				33				12		
Bottom Depth (ft):	22.5				23				33.5				24		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile																
Benzene	U	15	UG/KG	U					U	12	UG/KG	U				
Bromodichloromethane	U	15	UG/KG	U					U	12	UG/KG	U				
Bromoform	U	15	UG/KG	U					U	12	UG/KG	U				
Bromomethane	U	30	UG/KG	U					U	24	UG/KG	U				
Carbon Tetrachloride	U	15	UG/KG	U					U	12	UG/KG	U				
Carbon disulfide	U	15	UG/KG	U					U	12	UG/KG	U				
Chlorobenzene	U	15	UG/KG	U					U	12	UG/KG	U				
Chloroethane	U	30	UG/KG	U					U	24	UG/KG	U				
Chloroform		110	UG/KG	J						47	UG/KG	-				
Chloromethane	U	30	UG/KG	U					U	24	UG/KG	U				
Dibromochloromethane	U	15	UG/KG	U					U	12	UG/KG	U				
Dibromomethane																
Dichlorodifluoromethane																
Ethyl cyanide																
Ethyl methacrylate																
Ethylbenzene	U	15	UG/KG	U					U	12	UG/KG	U				
Iodomethane																
Isobutyl alcohol																
Methacrylonitrile																
Methyl methacrylate																

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063412				063431		
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	24				0				7.5				17		
Bottom Depth (ft):	39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile													U	14.2	UG/KG	R
Benzene									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Bromodichloromethane									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Bromoform									U	18	UG/KG	U	U	7	UG/KG	U
Bromomethane									U	36	UG/KG	U	U	14	UG/KG	U
Carbon Tetrachloride									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Carbon disulfide									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Chlorobenzene									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Chloroethane									U	36	UG/KG	U	U	14	UG/KG	U
Chloroform									U	18	UG/KG	U	J	3	UG/KG	J
Chloromethane									U	36	UG/KG	UJ	U	14	UG/KG	UJ
Dibromochloromethane									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Dibromomethane													U	14.2	UG/KG	U
Dichlorodifluoromethane													U	284	UG/KG	R
Ethyl cyanide													U	142	UG/KG	R
Ethyl methacrylate													U	14.2	UG/KG	U
Ethylbenzene									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Iodomethane													U	7.11	UG/KG	U
Isobutyl alcohol														35.3	UG/KG	R
Methacrylonitrile													U	14.2	UG/KG	UJ
Methyl methacrylate													U	14.2	UG/KG	UJ

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1771				1771				1771				1771		
Sample ID:	063432				063467				063474				063476		
Sample Date:	13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91		
Top Depth (ft):	17.5				38				14				28		
Bottom Depth (ft):	18				38.5				28				41		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile																
Benzene	U	7	UG/KG	UJ	U	15	UG/KG	UJ								
Bromodichloromethane	U	7	UG/KG	UJ	U	15	UG/KG	UJ								
Bromoform	U	7	UG/KG	U	U	15	UG/KG	U								
Bromomethane	U	14	UG/KG	U	U	29	UG/KG	U								
Carbon Tetrachloride	U	7	UG/KG	UJ	U	15	UG/KG	UJ								
Carbon disulfide	U	7	UG/KG	UJ	U	15	UG/KG	UJ								
Chlorobenzene	U	7	UG/KG	U	U	15	UG/KG	UJ								
Chloroethane	U	14	UG/KG	U	U	29	UG/KG	U								
Chloroform	J	3	UG/KG	J		55	UG/KG	-								
Chloromethane	U	14	UG/KG	UJ	U	29	UG/KG	UJ								
Dibromochloromethane	U	7	UG/KG	UJ	U	15	UG/KG	UJ								
Dibromomethane																
Dichlorodifluoromethane																
Ethyl cyanide																
Ethyl methacrylate																
Ethylbenzene	J	2	UG/KG	U	U	15	UG/KG	UJ								
Iodomethane																
Isobutyl alcohol																
Methacrylonitrile																
Methyl methacrylate																

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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772					1772					1772					1772			
Sample ID:		063251					063266					063267					063280			
Sample Date:		07-AUG-91					07-AUG-91					07-AUG-91					07-AUG-91			
Top Depth (ft):		6					13.5					14					22.5			
Bottom Depth (ft):		6.5					14					14.5					23			
Methylene chloride	B	29	UG/KG	U		BJ	7	UG/KG	U							B	30	UG/KG	UJ	
Styrene	U	6	UG/KG	U		U	7	UG/KG	U							U	7	UG/KG	UJ	
Tetrachlorethene	U	6	UG/KG	U		U	7	UG/KG	U							U	7	UG/KG	UJ	
Toluene	BJ	6	UG/KG	U		BJ	7	UG/KG	U							BJ	7	UG/KG	UJ	
Total xylenes	U	6	UG/KG	U		U	7	UG/KG	U							U	7	UG/KG	UJ	
Trichloroethene	U	6	UG/KG	U		U	7	UG/KG	U							U	7	UG/KG	UJ	
Trichlorofluoromethane						J	4.12	UG/KG	J											
Vinyl Acetate	U	13	UG/KG	U		U	14	UG/KG	UJ							U	14	UG/KG	UJ	
Vinyl chloride	U	13	UG/KG	U		U	14	UG/KG	U							U	14	UG/KG	U	
cis-1,3-Dichloropropene	U	6	UG/KG	U		U	7	UG/KG	U							U	7	UG/KG	UJ	
trans-1,3-Dichloropropene	U	6	UG/KG	U		U	7	UG/KG	U							U	7	UG/KG	UJ	
trans-1,4-Dichloro-2-butene						U	145	UG/KG	UJ											
2,4,5-TP (Silvex)																				
2,4-D																				
4,4-DDD																				
4,4-DDE																				
4,4-DDT																				
Aldrin																				
Aroclor-1016																				
Aroclor-1221																				
Aroclor-1232																				

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770			
Sample ID:	063308				063310				063314				063330			
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91			
Top Depth (ft):	9				18				0				6.5			
Bottom Depth (ft):	18				36.5				36.5				7			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride													B	77	UG/KG	UJ
Styrene													U	8	UG/KG	UJ
Tetrachlorethene													U	8	UG/KG	UJ
Toluene													B	18	UG/KG	UJ
Total xylenes													U	8	UG/KG	UJ
Trichloroethene													U	8	UG/KG	UJ
Trichlorofluoromethane																
Vinyl Acetate													U	15	UG/KG	UJ
Vinyl chloride													U	15	UG/KG	UJ
cis-1,3-Dichloropropene													U	8	UG/KG	UJ
trans-1,3-Dichloropropene													U	8	UG/KG	UJ
trans-1,4-Dichloro-2-butene																
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD									U	.1	UG/L	R	Y			
4,4-DDE									U	.1	UG/L	R	Y			
4,4-DDT									U	.1	UG/L	R	Y			
Aldrin									U	.05	UG/L	R	Y			
Aroclor-1016									U	.5	UG/L	R	Y			
Aroclor-1221									U	.5	UG/L	R	Y			
Aroclor-1232									U	.5	UG/L	R	Y			

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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770				1770				1770				1770			
Sample ID:		063358				063359				063377				063390			
Sample Date:		11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91			
Top Depth (ft):		22				22.5				33				12			
Bottom Depth (ft):		22.5				23				33.5				24			
Methylene chloride	B	92	UG/KG	J					B	87	UG/KG	J					
Styrene	U	15	UG/KG	U					U	12	UG/KG	U					
Tetrachlorethene		22	UG/KG	J					J	6	UG/KG	J					
Toluene	BJ	15	UG/KG	U					BJ	12	UG/KG	U					
Total xylenes	U	15	UG/KG	U					U	12	UG/KG	U					
Trichloroethene	J	6	UG/KG	J					U	12	UG/KG	U					
Trichlorofluoromethane																	
Vinyl Acetate	U	30	UG/KG	U					U	24	UG/KG	U					
Vinyl chloride	U	30	UG/KG	U					U	24	UG/KG	U					
cis-1,3-Dichloropropene	U	15	UG/KG	U					U	12	UG/KG	U					
trans-1,3-Dichloropropene	U	15	UG/KG	U					U	12	UG/KG	U					
trans-1,4-Dichloro-2-butene																	
2,4,5-TP (Silvex)																	
2,4-D																	
4,4-DDD																	
4,4-DDE																	
4,4-DDT																	
Aldrin																	
Aroclor-1016																	
Aroclor-1221																	
Aroclor-1232																	

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771			
Sample ID:	063392				063394				063412				063431			
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91			
Top Depth (ft):	24				0				7.5				17			
Bottom Depth (ft):	39				39				8				17.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride									BJ	11	UG/KG	UJ	B	14	UG/KG	UJ
Styrene									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Tetrachlorethene									U	18	UG/KG	U		9	UG/KG	-
Toluene									BJ	5	UG/KG	UJ	BJ	7	UG/KG	UJ
Total xylenes									U	18	UG/KG	UJ	U	7	UG/KG	UJ
Trichloroethene									U	18	UG/KG	U	U	7	UG/KG	U
Trichlorofluoromethane													U	7.11	UG/KG	UJ
Vinyl Acetate									U	36	UG/KG	U	U	14	UG/KG	U
Vinyl chloride									U	36	UG/KG	U	U	14	UG/KG	U
cis-1,3-Dichloropropene									U	18	UG/KG	UJ	U	7	UG/KG	UJ
trans-1,3-Dichloropropene									U	18	UG/KG	UJ	U	7	UG/KG	UJ
trans-1,4-Dichloro-2-butene													U	142	UG/KG	UJ
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD					U	.1	UG/L	UJ	Y							
4,4-DDE					U	.1	UG/L	UJ	Y							
4,4-DDT					U	.1	UG/L	UJ	Y							
Aldrin					U	.05	UG/L	UJ	Y							
Aroclor-1016					U	.5	UG/L	UJ	Y							
Aroclor-1221					U	.5	UG/L	UJ	Y							
Aroclor-1232					U	.5	UG/L	UJ	Y							

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1771				1771				1771				1771		
Sample ID:		063432				063467				063474				063476		
Sample Date:		13-AUG-91				13-AUG-91				14-AUG-91				14-AUG-91		
Top Depth (ft):		17.5				38				14				28		
Bottom Depth (ft):		18				38.5				28				41		
Methylene chloride	B	14	UG/KG	UJ	BJ	15	UG/KG	UJ								
Styrene	U	7	UG/KG	U	U	15	UG/KG	UJ								
Tetrachlorethene	J	6	UG/KG	J	J	8	UG/KG	J								
Toluene	B	8	UG/KG	J	BJ	15	UG/KG	UJ								
Total xylenes	U	7	UG/KG	U	U	15	UG/KG	UJ								
Trichloroethene	U	7	UG/KG	U	U	15	UG/KG	U								
Trichlorofluoromethane																
Vinyl Acetate	U	14	UG/KG	U	U	29	UG/KG	U								
Vinyl chloride	U	14	UG/KG	U	U	29	UG/KG	U								
cis-1,3-Dichloropropene	U	7	UG/KG	UJ	U	15	UG/KG	UJ								
trans-1,3-Dichloropropene	U	7	UG/KG	UJ	U	15	UG/KG	UJ								
trans-1,4-Dichloro-2-butene																
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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Well/Boring:	1771
Sample ID:	063478
Sample Date:	14-AUG-91
Top Depth (ft):	0
Bottom Depth (ft):	41

Parameters	LQ	Result	Unit	VQ	TCLP
Methylene chloride					
Styrene					
Tetrachlorethene					
Toluene					
Total xylenes					
Trichloroethene					
Trichlorofluoromethane					
Vinyl Acetate					
Vinyl chloride					
cis-1,3-Dichloropropene					
trans-1,3-Dichloropropene					
trans-1,4-Dichloro-2-butene					
2,4,5-TP (Silvex)					
2,4-D					
4,4-DDD	U	.1	UG/L	UJ	Y
4,4-DDE	U	.1	UG/L	UJ	Y
4,4-DDT	U	.1	UG/L	UJ	Y
Aldrin	U	.05	UG/L	UJ	Y
Aroclor-1016	U	.5	UG/L	UJ	Y
Aroclor-1221	U	.5	UG/L	UJ	Y
Aroclor-1232	U	.5	UG/L	UJ	Y

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Aroclor-1242									U	.5	UG/L	R Y				
Aroclor-1248									U	.5	UG/L	R Y				
Aroclor-1254									U	1	UG/L	R Y				
Aroclor-1260									U	1	UG/L	R Y				
Dieldrin									U	.1	UG/L	R Y				
Endosulfan II									U	.1	UG/L	R Y				
Endosulfan sulfate									U	.1	UG/L	R Y				
Endosulfan-I									U	.05	UG/L	R Y				
Endrin									U	.1	UG/L	U Y				
Endrin ketone									U	.1	UG/L	R Y				
Heptachlor									U	.05	UG/L	U Y				
Heptachlor epoxide									U	.05	UG/L	R Y				
Methoxychlor									U	.5	UG/L	R Y				
Toxaphene									U	1	UG/L	R Y				
alpha-BHC									U	.05	UG/L	R Y				
alpha-Chlordane									U	.5	UG/L	R Y				
beta-BHC									U	.05	UG/L	R Y				
delta-BHC									U	.05	UG/L	R Y				
gamma-BHC (Lindane)									U	.05	UG/L	U Y				
gamma-Chlordane									U	.5	UG/L	R Y				
1,2,4-Trichlorobenzene									U	20	UG/L	R Y				

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063412				063431		
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	24				0				7.5				17		
Bottom Depth (ft):	39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Aroclor-1242					U	.5	UG/L	UJ	Y							
Aroclor-1248					U	.5	UG/L	UJ	Y							
Aroclor-1254					U	1	UG/L	UJ	Y							
Aroclor-1260					U	1	UG/L	UJ	Y							
Dieldrin					U	.1	UG/L	UJ	Y							
Endosulfan II					U	.1	UG/L	UJ	Y							
Endosulfan sulfate					U	.1	UG/L	UJ	Y							
Endosulfan-I					U	.05	UG/L	UJ	Y							
Endrin					U	.1	UG/L	UJ	Y							
Endrin ketone					U	.1	UG/L	UJ	Y							
Heptachlor					U	.05	UG/L	UJ	Y							
Heptachlor epoxide					U	.05	UG/L	UJ	Y							
Methoxychlor					U	.5	UG/L	UJ	Y							
Toxaphene					U	1	UG/L	UJ	Y							
alpha-BHC					U	.05	UG/L	UJ	Y							
alpha-Chlordane					U	.5	UG/L	UJ	Y							
beta-BHC					U	.05	UG/L	UJ	Y							
delta-BHC					U	.05	UG/L	UJ	Y							
gamma-BHC (Lindane)					U	.05	UG/L	UJ	Y							
gamma-Chlordane					U	.5	UG/L	UJ	Y							
1,2,4-Trichlorobenzene					U	20	UG/L	UJ	Y							

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Pit Material Organic Results

Well/Boring:	1771
Sample ID:	063478
Sample Date:	14-AUG-91
Top Depth (ft):	0
Bottom Depth (ft):	41

Parameters	LQ	Result	Unit	VQ	TCLP
Aroclor-1242	U	.5	UG/L	UJ	Y
Aroclor-1248	U	.5	UG/L	UJ	Y
Aroclor-1254	U	1	UG/L	UJ	Y
Aroclor-1260	U	1	UG/L	UJ	Y
Dieldrin	U	.1	UG/L	UJ	Y
Endosulfan II	U	.1	UG/L	UJ	Y
Endosulfan sulfate	U	.1	UG/L	UJ	Y
Endosulfan-I	U	.05	UG/L	UJ	Y
Endrin	U	.1	UG/L	UJ	Y
Endrin ketone	U	.1	UG/L	UJ	Y
Heptachlor	U	.05	UG/L	UJ	Y
Heptachlor epoxide	U	.05	UG/L	UJ	Y
Methoxychlor	U	.5	UG/L	UJ	Y
Toxaphene	U	1	UG/L	UJ	Y
alpha-BHC	U	.05	UG/L	UJ	Y
alpha-Chlordane	U	.5	UG/L	UJ	Y
beta-BHC	U	.05	UG/L	UJ	Y
delta-BHC	U	.05	UG/L	UJ	Y
gamma-BHC (Lindane)	U	.05	UG/L	UJ	Y
gamma-Chlordane	U	.5	UG/L	UJ	Y
1,2,4-Trichlorobenzene	U	20	UG/L	UJ	Y

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Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-Dichlorobenzene									U	20	UG/L	R	Y			
1,3-Dichlorobenzene									U	20	UG/L	R	Y			
1,4-Dichlorobenzene									U	20	UG/L	U	Y			
2,4,5-Trichlorophenol									U	100	UG/L	R	Y			
2,4,6-Trichlorophenol									U	20	UG/L	R	Y			
2,4-Dichlorophenol									U	20	UG/L	R	Y			
2,4-Dimethylphenol									U	20	UG/L	R	Y			
2,4-Dinitrophenol									U	100	UG/L	R	Y			
2,4-Dinitrotoluene									U	20	UG/L	U	Y			
2,6-Dinitrotoluene									U	20	UG/L	R	Y			
2-Chloronaphthalene									U	20	UG/L	R	Y			
2-Chlorophenol									U	20	UG/L	R	Y			
2-Methylnaphthalene									U	20	UG/L	R	Y			
2-Methylphenol									U	20	UG/L	R	Y			
2-Nitroaniline									U	100	UG/L	R	Y			
2-Nitrophenol									U	20	UG/L	R	Y			
3,3'-Dichlorobenzidine									U	40	UG/L	R	Y			
3-Methylphenol																
3-Nitroaniline									U	100	UG/L	R	Y			
4,6-Dinitro-2-methylphenol									U	100	UG/L	R	Y			
4-Bromophenyl phenyl ether									U	20	UG/L	R	Y			

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771			
Sample ID:	063392				063394				063412				063431			
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91			
Top Depth (ft):	24				0				7.5				17			
Bottom Depth (ft):	39				39				8				17.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-Dichlorobenzene					U	20	UG/L	UJ	Y							
1,3-Dichlorobenzene					U	20	UG/L	UJ	Y							
1,4-Dichlorobenzene					U	20	UG/L	UJ	Y							
2,4,5-Trichlorophenol					U	100	UG/L	UJ	Y							
2,4,6-Trichlorophenol					U	20	UG/L	UJ	Y							
2,4-Dichlorophenol					U	20	UG/L	UJ	Y							
2,4-Dimethylphenol					U	20	UG/L	UJ	Y							
2,4-Dinitrophenol					U	100	UG/L	UJ	Y							
2,4-Dinitrotoluene					U	20	UG/L	UJ	Y							
2,6-Dinitrotoluene					U	20	UG/L	UJ	Y							
2-Chloronaphthalene					U	20	UG/L	UJ	Y							
2-Chlorophenol					U	20	UG/L	UJ	Y							
2-Methylnaphthalene					U	20	UG/L	UJ	Y							
2-Methylphenol					U	20	UG/L	UJ	Y							
2-Nitroaniline					U	100	UG/L	UJ	Y							
2-Nitrophenol					U	20	UG/L	UJ	Y							
3,3'-Dichlorobenzidine					U	40	UG/L	UJ	Y							
3-Methylphenol																
3-Nitroaniline					U	100	UG/L	UJ	Y							
4,6-Dinitro-2-methylphenol					U	100	UG/L	UJ	Y							
4-Bromophenyl phenyl ether					U	20	UG/L	UJ	Y							

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	1771
Sample ID:	063478
Sample Date:	14-AUG-91
Top Depth (ft):	0
Bottom Depth (ft):	41

Parameters	LQ	Result	Unit	VQ	TCLP
1,2-Dichlorobenzene	U	20	UG/L	UJ	Y
1,3-Dichlorobenzene	U	20	UG/L	UJ	Y
1,4-Dichlorobenzene	U	20	UG/L	UJ	Y
2,4,5-Trichlorophenol	U	100	UG/L	R	Y
2,4,6-Trichlorophenol	U	20	UG/L	R	Y
2,4-Dichlorophenol	U	20	UG/L	R	Y
2,4-Dimethylphenol	U	20	UG/L	R	Y
2,4-Dinitrophenol	U	100	UG/L	UJ	Y
2,4-Dinitrotoluene	U	20	UG/L	UJ	Y
2,6-Dinitrotoluene	J	9	UG/L	R	Y
2-Chloronaphthalene	U	20	UG/L	UJ	Y
2-Chlorophenol	U	20	UG/L	R	Y
2-Methylnaphthalene	U	20	UG/L	UJ	Y
2-Methylphenol	U	20	UG/L	R	Y
2-Nitroaniline	U	100	UG/L	UJ	Y
2-Nitrophenol	U	20	UG/L	R	Y
3,3'-Dichlorobenzidine	U	40	UG/L	UJ	Y
3-Methylphenol					
3-Nitroaniline	U	100	UG/L	UJ	Y
4,6-Dinitro-2-methylphenol	U	100	UG/L	R	Y
4-Bromophenyl phenyl ether	U	20	UG/L	UJ	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1772					1772					1772					1770			
Sample ID:		063308					063310					063314					063330			
Sample Date:		08-AUG-91					08-AUG-91					08-AUG-91					11-AUG-91			
Top Depth (ft):		9					18					0					6.5			
Bottom Depth (ft):		18					36.5					36.5					7			
4-Chloro-3-methylphenol											U	20	UG/L	R	Y					
4-Chloroaniline											U	20	UG/L	R	Y					
4-Chlorophenylphenyl ether											U	20	UG/L	R	Y					
4-Methylphenol											U	20	UG/L	R	Y					
4-Nitroaniline											U	100	UG/L	R	Y					
4-Nitrophenol											U	100	UG/L	R	Y					
Acenaphthene											U	20	UG/L	R	Y					
Acenaphthylene											U	20	UG/L	R	Y					
Anthracene											U	20	UG/L	R	Y					
Benzo(a)anthracene											U	20	UG/L	R	Y					
Benzo(a)pyrene											U	20	UG/L	R	Y					
Benzo(b)fluoranthene											U	20	UG/L	R	Y					
Benzo(g,h,i)perylene											U	20	UG/L	R	Y					
Benzo(k)fluoranthene											U	20	UG/L	R	Y					
Benzoic acid											U	100	UG/L	R	Y					
Benzyl alcohol											U	20	UG/L	R	Y					
Butyl benzyl phthalate											U	20	UG/L	R	Y					
Chrysene											U	20	UG/L	R	Y					
Di-n-butyl phthalate											U	20	UG/L	R	Y					
Di-n-octyl phthalate											U	20	UG/L	R	Y					
Dibenzo(a,h)anthracene											U	20	UG/L	R	Y					

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771		
Sample ID:	063392				063394				063412				063431		
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91		
Top Depth (ft):	24				0				7.5				17		
Bottom Depth (ft):	39				39				8				17.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Chloro-3-methylphenol					U	20	UG/L	UJ Y								
4-Chloroaniline					U	20	UG/L	UJ Y								
4-Chlorophenylphenyl ether					U	20	UG/L	UJ Y								
4-Methylphenol					U	20	UG/L	UJ Y								
4-Nitroaniline					U	100	UG/L	UJ Y								
4-Nitrophenol					U	100	UG/L	UJ Y								
Acenaphthene					U	20	UG/L	UJ Y								
Acenaphthylene					U	20	UG/L	UJ Y								
Anthracene					U	20	UG/L	UJ Y								
Benzo(a)anthracene					U	20	UG/L	UJ Y								
Benzo(a)pyrene					U	20	UG/L	UJ Y								
Benzo(b)fluoranthene					U	20	UG/L	UJ Y								
Benzo(g,h,i)perylene					U	20	UG/L	UJ Y								
Benzo(k)fluoranthene					U	20	UG/L	UJ Y								
Benzoic acid					U	100	UG/L	UJ Y								
Benzyl alcohol					U	20	UG/L	UJ Y								
Butyl benzyl phthalate					U	20	UG/L	UJ Y								
Chrysene					U	20	UG/L	UJ Y								
Di-n-butyl phthalate					U	20	UG/L	UJ Y								
Di-n-octyl phthalate					U	20	UG/L	UJ Y								
Dibenzo(a,h)anthracene					U	20	UG/L	UJ Y								

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Well/Boring:	1771
Sample ID:	063478
Sample Date:	14-AUG-91
Top Depth (ft):	0
Bottom Depth (ft):	41

Parameters	LQ	Result	Unit	VQ	TCLP
4-Chloro-3-methylphenol	U	20	UG/L	R	Y
4-Chloroaniline	U	20	UG/L	UJ	Y
4-Chlorophenylphenyl ether	U	20	UG/L	UJ	Y
4-Methylphenol	U	20	UG/L	R	Y
4-Nitroaniline	U	100	UG/L	UJ	Y
4-Nitrophenol	U	100	UG/L	R	Y
Acenaphthene	U	20	UG/L	UJ	Y
Acenaphthylene	U	20	UG/L	UJ	Y
Anthracene	U	20	UG/L	UJ	Y
Benzo(a)anthracene	U	20	UG/L	UJ	Y
Benzo(a)pyrene	U	20	UG/L	UJ	Y
Benzo(b)fluoranthene	U	20	UG/L	UJ	Y
Benzo(g,h,i)perylene	U	20	UG/L	UJ	Y
Benzo(k)fluoranthene	U	20	UG/L	UJ	Y
Benzoic acid	U	100	UG/L	R	Y
Benzyl alcohol	U	20	UG/L	UJ	Y
Butyl benzyl phthalate	U	20	UG/L	UJ	Y
Chrysene	U	20	UG/L	UJ	Y
Di-n-butyl phthalate	U	20	UG/L	UJ	Y
Di-n-octyl phthalate	U	20	UG/L	UJ	Y
Dibenzo(a,h)anthracene	U	20	UG/L	UJ	Y

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770			
Sample ID:	063308				063310				063314				063330			
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91			
Top Depth (ft):	9				18				0				6.5			
Bottom Depth (ft):	18				36.5				36.5				7			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Dibenzofuran									U	20	UG/L	R Y				
Diethyl phthalate									U	20	UG/L	R Y				
Dimethyl phthalate									U	20	UG/L	R Y				
Fluoranthene									U	20	UG/L	R Y				
Fluorene									U	20	UG/L	R Y				
Hexachlorobenzene									U	20	UG/L	R Y				
Hexachlorobutadiene									U	20	UG/L	R Y				
Hexachlorocyclopentadiene									U	20	UG/L	R Y				
Hexachloroethane									U	20	UG/L	R Y				
Indeno(1,2,3-cd)pyrene									U	20	UG/L	R Y				
Isophorone									U	20	UG/L	R Y				
N-Nitroso-di-n-propylamine									U	20	UG/L	R Y				
N-Nitrosodiphenylamine									U	20	UG/L	R Y				
Naphthalene									U	20	UG/L	R Y				
Nitrobenzene									U	20	UG/L	R Y				
Pentachlorophenol									U	100	UG/L	U Y				
Phenanthrene									U	20	UG/L	R Y				
Phenol									U	20	UG/L	R Y				
Pyrene									U	20	UG/L	R Y				
Pyridine																
Tributyl phosphate									U	20	UG/L	R Y				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771			
Sample ID:	063392				063394				063412				063431			
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91			
Top Depth (ft):	24				0				7.5				17			
Bottom Depth (ft):	39				39				8				17.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Dibenzofuran					U	20	UG/L	UJ	Y							
Diethyl phthalate					U	20	UG/L	UJ	Y							
Dimethyl phthalate					U	20	UG/L	UJ	Y							
Fluoranthene					U	20	UG/L	UJ	Y							
Fluorene					U	20	UG/L	UJ	Y							
Hexachlorobenzene					U	20	UG/L	UJ	Y							
Hexachlorobutadiene					U	20	UG/L	UJ	Y							
Hexachlorocyclopentadiene					U	20	UG/L	UJ	Y							
Hexachloroethane					U	20	UG/L	UJ	Y							
Indeno(1,2,3-cd)pyrene					U	20	UG/L	UJ	Y							
Isophorone					U	20	UG/L	UJ	Y							
N-Nitroso-di-n-propylamine					U	20	UG/L	UJ	Y							
N-Nitrosodiphenylamine					U	20	UG/L	UJ	Y							
Naphthalene					U	20	UG/L	UJ	Y							
Nitrobenzene					U	20	UG/L	UJ	Y							
Pentachlorophenol					U	100	UG/L	UJ	Y							
Phenanthrene					U	20	UG/L	UJ	Y							
Phenol					U	20	UG/L	UJ	Y							
Pyrene					U	20	UG/L	UJ	Y							
Pyridine																
Tributyl phosphate																

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	1771
Sample ID:	063478
Sample Date:	14-AUG-91
Top Depth (ft):	0
Bottom Depth (ft):	41

Parameters	LQ	Result	Unit	VQ	TCLP
Dibenzofuran	U	20	UG/L	UJ	Y
Diethyl phthalate	U	20	UG/L	UJ	Y
Dimethyl phthalate	U	20	UG/L	UJ	Y
Fluoranthene	U	20	UG/L	UJ	Y
Fluorene	U	20	UG/L	UJ	Y
Hexachlorobenzene	U	20	UG/L	UJ	Y
Hexachlorobutadiene	U	20	UG/L	UJ	Y
Hexachlorocyclopentadiene	U	20	UG/L	UJ	Y
Hexachloroethane	U	20	UG/L	UJ	Y
Indeno(1,2,3-cd)pyrene	U	20	UG/L	UJ	Y
Isophorone	U	20	UG/L	UJ	Y
N-Nitroso-di-n-propylamine	U	20	UG/L	UJ	Y
N-Nitrosodiphenylamine	U	20	UG/L	UJ	Y
Naphthalene	U	20	UG/L	UJ	Y
Nitrobenzene	U	20	UG/L	UJ	Y
Pentachlorophenol	U	100	UG/L	R	Y
Phenanthrene	U	20	UG/L	UJ	Y
Phenol	U	20	UG/L	R	Y
Pyrene	U	20	UG/L	UJ	Y
Pyridine					
Tributyl phosphate					

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VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1772		
Sample ID:	063251				063266				063267				063280		
Sample Date:	07-AUG-91				07-AUG-91				07-AUG-91				07-AUG-91		
Top Depth (ft):	6				13.5				14				22.5		
Bottom Depth (ft):	6.5				14				14.5				23		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl) phthalate																
1,1,1-Trichloroethane									U	5	UG/L	R	Y			
1,1,2,2-Tetrachloroethane									U	25	UG/L	R	Y			
1,1,2-Trichloroethane									U	5	UG/L	R	Y			
1,1-Dichloroethane									U	5	UG/L	R	Y			
1,1-Dichloroethene									U	5	UG/L	U	Y			
1,2-Dichloroethane									U	5	UG/L	R	Y			
1,2-Dichloroethylene									U	5	UG/L	R	Y			
1,2-Dichloropropane									U	5	UG/L	R	Y			
2-Butanone									BJ	3	UG/L	R	Y			
2-Hexanone									U	50	UG/L	R	Y			
4-Methyl-2-pentanone									U	50	UG/L	R	Y			
Acetone									BE	340	UG/L	R	Y			
Benzene									U	5	UG/L	R	Y			
Bromodichloromethane									U	5	UG/L	R	Y			
Bromoform									U	5	UG/L	U	Y			
Bromomethane									U	50	UG/L	R	Y			
Carbon Tetrachloride									U	5	UG/L	R	Y			

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TCLP - Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1770		
Sample ID:	063308				063310				063314				063330		
Sample Date:	08-AUG-91				08-AUG-91				08-AUG-91				11-AUG-91		
Top Depth (ft):	9				18				0				6.5		
Bottom Depth (ft):	18				36.5				36.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane									U	20	UG/L	R	Y			
bis(2-Chloroethyl)ether									U	20	UG/L	R	Y			
bis(2-Chloroisopropyl) ether									U	20	UG/L	R	Y			
bis(2-Ethylhexyl) phthalate									U	20	UG/L	R	Y			
1,1,1-Trichloroethane																
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane																
1,1-Dichloroethene																
1,2-Dichloroethane																
1,2-Dichloroethylene																
1,2-Dichloropropane																
2-Butanone																
2-Hexanone																
4-Methyl-2-pentanone																
Acetone																
Benzene																
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon Tetrachloride																

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

51429
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1991 RI/FS - Pit 3
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1770					1770					1770					1770			
Sample ID:		063358					063359					063377					063390			
Sample Date:		11-AUG-91					11-AUG-91					12-AUG-91					12-AUG-91			
Top Depth (ft):		22					22.5					33					12			
Bottom Depth (ft):		22.5					23					33.5					24			
bis(2-Chloroethoxy)methane																				
bis(2-Chloroethyl)ether																				
bis(2-Chloroisopropyl) ether																				
bis(2-Ethylhexyl) phthalate																				
1,1,1-Trichloroethane						U	5	UG/L	U	Y										
1,1,2,2-Tetrachloroethane						U	5	UG/L	U	Y										
1,1,2-Trichloroethane						U	5	UG/L	U	Y										
1,1-Dichloroethane						U	5	UG/L	U	Y										
1,1-Dichloroethene						U	5	UG/L	U	Y										
1,2-Dichloroethane						U	5	UG/L	U	Y										
1,2-Dichloroethylene						U	5	UG/L	U	Y										
1,2-Dichloropropane						U	5	UG/L	U	Y										
2-Butanone						BJ	3	UG/L	J	Y										
2-Hexanone						U	10	UG/L	U	Y										
4-Methyl-2-pentanone						J	2	UG/L	J	Y										
Acetone						BD	310	UG/L	J	Y										
Benzene						U	5	UG/L	U	Y										
Bromodichloromethane						U	5	UG/L	U	Y										
Bromoform						U	5	UG/L	U	Y										
Bromomethane						U	10	UG/L	U	Y										
Carbon Tetrachloride						U	5	UG/L	U	Y										

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1771				1771			
Sample ID:	063392				063394				063412				063431			
Sample Date:	12-AUG-91				12-AUG-91				13-AUG-91				13-AUG-91			
Top Depth (ft):	24				0				7.5				17			
Bottom Depth (ft):	39				39				8				17.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane					U	20	UG/L	UJ	Y							
bis(2-Chloroethyl)ether					U	20	UG/L	UJ	Y							
bis(2-Chloroisopropyl) ether					U	20	UG/L	UJ	Y							
bis(2-Ethylhexyl) phthalate					U	20	UG/L	UJ	Y							
1,1,1-Trichloroethane																
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane																
1,1-Dichloroethene																
1,2-Dichloroethane																
1,2-Dichloroethylene																
1,2-Dichloropropane																
2-Butanone																
2-Hexanone																
4-Methyl-2-pentanone																
Acetone																
Benzene																
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon Tetrachloride																

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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1771
Sample ID:	063478
Sample Date:	14-AUG-91
Top Depth (ft):	0
Bottom Depth (ft):	41

Parameters	LQ	Result	Unit	VQ	TCLP
bis(2-Chloroethoxy)methane	U	20	UG/L	UJ	Y
bis(2-Chloroethyl)ether	U	20	UG/L	UJ	Y
bis(2-Chloroisopropyl) ether	U	20	UG/L	UJ	Y
bis(2-Ethylhexyl) phthalate	U	20	UG/L	UJ	Y
1,1,1-Trichloroethane					
1,1,2,2-Tetrachloroethane					
1,1,2-Trichloroethane					
1,1-Dichloroethane					
1,1-Dichloroethene					
1,2-Dichloroethane					
1,2-Dichloroethylene					
1,2-Dichloropropane					
2-Butanone					
2-Hexanone					
4-Methyl-2-pentanone					
Acetone					
Benzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon Tetrachloride					

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1772				1772				1772				1772			
Sample ID:	063251				063266				063267				063280			
Sample Date:	07-AUG-91				07-AUG-91				07-AUG-91				07-AUG-91			
Top Depth (ft):	6				13.5				14				22.5			
Bottom Depth (ft):	6.5				14				14.5				23			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Carbon disulfide									U	5	UG/L	R Y				
Chlorobenzene									U	25	UG/L	R Y				
Chloroethane									U	50	UG/L	R Y				
Chloroform									U	5	UG/L	R Y				
Chloromethane									U	50	UG/L	R Y				
Dibromochloromethane									U	5	UG/L	R Y				
Ethylbenzene									J	5	UG/L	- Y				
Methylene chloride									BE	730	UG/L	R Y				
Styrene									U	25	UG/L	R Y				
Tetrachlorethene									U	5	UG/L	R Y				
Toluene									U	25	UG/L	R Y				
Total xylenes									U	25	UG/L	R Y				
Trichloroethene									U	5	UG/L	R Y				
Vinyl Acetate									U	50	UG/L	R Y				
Vinyl chloride									U	50	UG/L	R Y				
cis-1,3-Dichloropropene									U	5	UG/L	R Y				
trans-1,3-Dichloropropene									U	5	UG/L	R Y				

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Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
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1991 RI/FS - Pit 3
Pit Material Organic Results

Well/Boring:	1770				1770				1770				1770			
Sample ID:	063358				063359				063377				063390			
Sample Date:	11-AUG-91				11-AUG-91				12-AUG-91				12-AUG-91			
Top Depth (ft):	22				22.5				33				12			
Bottom Depth (ft):	22.5				23				33.5				24			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Carbon disulfide					U	5	UG/L	U	Y							
Chlorobenzene					U	5	UG/L	U	Y							
Chloroethane					U	10	UG/L	U	Y							
Chloroform						5	UG/L	-	Y							
Chloromethane					U	10	UG/L	U	Y							
Dibromochloromethane					U	5	UG/L	U	Y							
Ethylbenzene					U	5	UG/L	U	Y							
Methylene chloride					B	35	UG/L	J	Y							
Styrene					U	5	UG/L	U	Y							
Tetrachlorethene					U	5	UG/L	U	Y							
Toluene					U	5	UG/L	U	Y							
Total xylenes					U	5	UG/L	U	Y							
Trichloroethene					U	5	UG/L	U	Y							
Vinyl Acetate					U	10	UG/L	U	Y							
Vinyl chloride					U	10	UG/L	U	Y							
cis-1,3-Dichloropropene					U	5	UG/L	U	Y							
trans-1,3-Dichloropropene					U	5	UG/L	U	Y							

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VQ - Validated Qualifier (See list at front of Appendices)
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A.3.1.6

PIT 3
PIT MATERIAL
EXTRACTION PROCEDURE TOXICITY RESULTS

Characterization Investigation Study - Pit 3
Extraction Procedure Toxicity Data

Chemical Parameter	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
Well/Boring:		03-03			03-04			03-05			03-06	
Sample ID:		PS-03-008			PS-03-028			PS-03-051			PS-03-072	
Sample Date:		4/6/87			4/8/87			4/9/87			4/10/87	
Top Depth (ft):		0			0			0			0	
Bottom Depth (ft):		20			20			20			14	
IGNITABILITY		>800	DEG F		>800	DEG F		>800	DEG F		>800	DEG F
CORROSIVITY		6.50	PHU		6.50	PHU		7.20	PHU		6.30	PHU
REACTIVITY (SULFIDE)	U	0.61	MG/KG	U	0.64	MG/KG	U	0.35	MG/KG	U	0.39	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE		514	UG/L		3120	UG/L	U	500	UG/L		611	UG/L
BARIUM, EP LEACHATE	U	1000	UG/L	U	1000	UG/L	U	1000	UG/L	U	1000	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE		0.25	UG/L	U	0.2	UG/L		7.2	UG/L	U	0.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L		257	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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Characterization Investigation Study - Pit 3
Extraction Procedure Toxicity Data

Well/Boring:		03-06			03-02			03-07	
Chemical Parameter Sample ID:		PS-03-088			PS-03-089			PS-03-109	
Sample Date:		4/10/87			4/10/87			4/13/87	
Top Depth (ft):		0			0			0	
Bottom Depth (ft):		12			20			12	
	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		>800	DEG F		>800	DEG F		>800	DEG F
CORROSIVITY		6.70	PHU		6.50	PHU		6.90	PHU
REACTIVITY (SULFIDE)		1.9	MG/KG	U	0.36	MG/KG	U	0.4	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L		2290	UG/L
BARIUM, EP LEACHATE	U	1000	UG/L	U	1000	UG/L	U	1000	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L	U	0.2	UG/L	U	0.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
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PHU = pH units
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A.3.2.1

PIT 3
PIT LEACHATE
RADIOLOGICAL RESULTS

A.3.2

PIT 3
PIT LEACHATE

1991 RI/FS - Pit 3
Pit Leachate Radiological Results

Well/Boring:	1770					1771					1772				
Sample ID:	063949					063950					063951				
Sample Date:	15-NOV-91					15-NOV-91					15-NOV-91				
Top Depth (ft):	N/A					N/A					N/A				
Bottom Depth (ft):	N/A					N/A					N/A				
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
CESIUM-137	U	20	PCI/L	R		U	20	PCI/L	U		U	20	PCI/L	U	
GROSS ALPHA		5109	PCI/L	NV			1710	PCI/L	NV			3626	PCI/L	NV	
GROSS BETA		2596	PCI/L	NV			2328	PCI/L	NV			5289	PCI/L	NV	
NEPTUNIUM-237															
PLUTONIUM-238						U	1	PCI/L	U						
PLUTONIUM-239/240						U	1	PCI/L	U						
RADIUM-226															
RADIUM-228															
RUTHENIUM-106	U	150	PCI/L	R		U	150	PCI/L	U		U	150	PCI/L	U	
STRONTIUM-90												106	PCI/L	-	
TECHNETIUM-99		212	PCI/L	J			351	PCI/L	-			119	PCI/L	-	
THORIUM-228															
THORIUM-230															
THORIUM-232															
THORIUM-TOTAL															
URANIUM-234		396	PCI/L	-			410	PCI/L	-			1590	PCI/L	-	
URANIUM-235/236		25.8	PCI/L	-			25.9	PCI/L	-			78.5	PCI/L	-	
URANIUM-238		504	PCI/L	C			421	PCI/L	C			2470	PCI/L	C	
URANIUM-TOTAL		1060	UG/L	-			824	UG/L	-			4960	UG/L	K	
CESIUM-137	U	20	PCI/L	R	Y	U	20	PCI/L	U	Y	U	20	PCI/L	U	Y
GROSS ALPHA		5109	PCI/L	NV	Y		1710	PCI/L	NV	Y		3626	PCI/L	NV	Y

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1991 RI/FS - Pit 3
Pit Leachate Radiological Results

Well/Boring:	1770					1771					1772			
Sample ID:	063949					063950					063951			
Sample Date:	15-NOV-91					15-NOV-91					15-NOV-91			
Top Depth (ft):	N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
GROSS BETA		2596	PCI/L	NV	Y		2328	PCI/L	NV	Y		5289	PCI/L	NV	Y
PLUTONIUM-238						U	1	PCI/L	U	Y					
PLUTONIUM-239/240						U	1	PCI/L	U	Y					
RADIUM-226															
RADIUM-228															
RUTHENIUM-106	U	150	PCI/L	R	Y	U	150	PCI/L	U	Y	U	150	PCI/L	U	Y
STRONTIUM-90												106	PCI/L	-	Y
TECHNETIUM-99		212	PCI/L	J	Y		351	PCI/L	-	Y		119	PCI/L	-	Y
URANIUM-234		396	PCI/L	-	Y		410	PCI/L	-	Y		1590	PCI/L	-	Y
URANIUM-235/236		25.8	PCI/L	-	Y		25.9	PCI/L	-	Y		78.5	PCI/L	-	Y
URANIUM-238		504	PCI/L	C	Y		421	PCI/L	C	Y		2470	PCI/L	C	Y
URANIUM-TOTAL		1060	UG/L	-	Y		824	UG/L	-	Y		4960	UG/L	K	Y

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A.3.2.2

PIT 3
PIT LEACHATE
INORGANIC RESULTS

1991 RI/FS - Pit 3
Pit Leachate Inorganic Results

Well/Boring:	1771					1772					1770					1770				
Sample ID:	063926					063928					063930					063949				
Sample Date:	06-NOV-91					06-NOV-91					07-NOV-91					15-NOV-91				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	N/A					N/A					N/A					N/A				
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Alkalinity as CaCO3		240	MG/L	-			180	MG/L	-			470	MG/L	-						
Ammonia		2625	MG/L	-			1987	MG/L	-			2277	MG/L	-						
Bromide	U	200	MG/L	U		U	200	MG/L	U		U	200	MG/L	U						
Chloride		33000	MG/L	-			21000	MG/L	-			15000	MG/L	-						
Cyanide	U	2	UG/L	UJ			1270	UG/L	J			27.5	UG/L	J						
Fluoride	U	80	MG/L	U		U	80	MG/L	U		U	80	MG/L	U						
Nitrate		4217	MG/L	-			6574	MG/L	-			5338	MG/L	-						
Oxidation-Reduction Potential																				
Oxidation-Reduction Potential		60.2	MV	-			115	MV	-			74.6	MV	-						
Phosphate	U	200	MG/L	U		U	200	MG/L	U		U	200	MG/L	U						
Phosphorus																				
Sulfate		4600	MG/L	-			4800	MG/L	-			4000	MG/L	-						
Sulfide	U	.5	MG/L	U		U	.5	MG/L	U		U	.5	MG/L	U						
Total Organic Carbon		25.1	MG/L	-			9.86	MG/L	-			23.3	MG/L	-						
Total Organic Nitrogen																				
pH		7.69	S.U.	-			7.76	S.U.	-			7.32	S.U.	-						
Aluminum	EN	6410	UG/L	J		EN	2030	UG/L	J		EN	942	UG/L	J		EN	3340	UG/L	J	
Antimony		445	UG/L	-			648	UG/L	-			656	UG/L	-			642	UG/L	-	
Arsenic	+	1490	UG/L	J		S	145	UG/L	-		+	240	UG/L	J		S	270	UG/L	-	
Barium	E	526	UG/L	J		E	411	UG/L	J		BE	168	UG/L	J		E	404	UG/L	J	
Beryllium		8.1	UG/L	-			6.6	UG/L	-			5.2	UG/L	-			6.2	UG/L	-	

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1991 RI/FS - Pit 3
Pit Leachate Inorganic Results

Well/Boring:		1771				1772		
Sample ID:		063950				063951		
Sample Date:		15-NOV-91				15-NOV-91		
Top Depth (ft):		N/A				N/A		
Bottom Depth (ft):		N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Alkalinity as CaCO3								
Ammonia								
Bromide								
Chloride								
Cyanide								
Fluoride								
Nitrate								
Oxidation-Reduction Potential								
Oxidation-Reduction Potential								
Phosphate								
Phosphorus								
Sulfate								
Sulfide								
Total Organic Carbon								
Total Organic Nitrogen								
pH								
Aluminum	EN	1480	UG/L	J	EN	3060	UG/L	J
Antimony		627	UG/L	-		714	UG/L	-
Arsenic		248	UG/L	-	S	166	UG/L	-
Barium	BE	174	UG/L	J	E	308	UG/L	J
Beryllium		5.4	UG/L	-		6.2	UG/L	-

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1991 RI/FS - Pit 3
Pit Leachate Inorganic Results

Well/Boring:	1771				1772				1770				1770			
Sample ID:	063926				063928				063930				063949			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Boron	EN	3840	UG/L	J	EN	5150	UG/L	J	EN	5480	UG/L	J	EN	5130	UG/L	J
Cadmium	N	192	UG/L	J	N	298	UG/L	J	N	311	UG/L	J	N	406	UG/L	J
Calcium		1010000	UG/L	-		2220000	UG/L	-		1870000	UG/L	-		1740000	UG/L	-
Chromium		182	UG/L	-	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	UJ
Cobalt	N	90.2	UG/L	J	N	137	UG/L	J	N	117	UG/L	J	N	128	UG/L	J
Copper	EN	782	UG/L	J	EN	98.3	UG/L	J	EN	491	UG/L	J	EN	600	UG/L	J
Iron	E	12200	UG/L	J	E	1030	UG/L	J	E	259	UG/L	J	E	3580	UG/L	J
Lead		1610	UG/L	-	UW	2	UG/L	UJ	UW	2	UG/L	UJ		169	UG/L	-
Magnesium		1570000	UG/L	-		4020000	UG/L	-		4140000	UG/L	-		3830000	UG/L	-
Manganese		92600	UG/L	-		101000	UG/L	-		132000	UG/L	-		134000	UG/L	-
Mercury		98.8	UG/L	-		.3	UG/L	J		.63	UG/L	-		.28	UG/L	J
Molybdenum	EN	2800	UG/L	J	EN	995	UG/L	J	EN	2340	UG/L	J	EN	2310	UG/L	J
Nickel	N	47.3	UG/L	J	UN	20	UG/L	UJ	UN	20	UG/L	UJ	UN	20	UG/L	UJ
Potassium		713000	UG/L	-		788000	UG/L	-		480000	UG/L	-		431000	UG/L	-
Selenium	S	140	UG/L	-	UW	10	UG/L	UJ	+	67	UG/L	J	S	13.3	UG/L	-
Silicon	E	9220	UG/L	-	E	6230	UG/L	J	E	2460	UG/L	J	E	5040	UG/L	J
Silver	N	130	UG/L	J	N	165	UG/L	J	N	141	UG/L	J	N	140	UG/L	J
Sodium		1880000	UG/L	-		4230000	UG/L	-		3410000	UG/L	-		2960000	UG/L	-
Thallium	SN	107	UG/L	J	+N	76.6	UG/L	J	+N	24.4	UG/L	J	+N	191	UG/L	J
Tin	U	200	UG/L	U	U	200	UG/L	U	U	200	UG/L	U	U	200	UG/L	U
Vanadium	EN	1240	UG/L	J	EN	238	UG/L	J	EN	460	UG/L	J	EN	643	UG/L	J

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 3
Pit Leachate Inorganic Results

Well/Boring:	1771				1772			
Sample ID:	063950				063951			
Sample Date:	15-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Boron	EN	7360	UG/L	J	EN	5200	UG/L	J
Cadmium	N	383	UG/L	J	N	475	UG/L	J
Calcium		1920000	UG/L	-		2780000	UG/L	-
Chromium		19.4	UG/L	J	U	10	UG/L	UJ
Cobalt	N	119	UG/L	J	N	160	UG/L	J
Copper	EN	622	UG/L	J	EN	148	UG/L	J
Iron	E	1140	UG/L	J	E	1920	UG/L	J
Lead		60.8	UG/L	-	S	50.6	UG/L	-
Magnesium		3150000	UG/L	-		4950000	UG/L	-
Manganese		178000	UG/L	-		120000	UG/L	-
Mercury		26.8	UG/L	-	U	.2	UG/L	UJ
Molybdenum	EN	5210	UG/L	J	EN	1090	UG/L	J
Nickel	UN	20	UG/L	UJ	UN	20	UG/L	UJ
Potassium		698000	UG/L	-		830000	UG/L	-
Selenium	S	125	UG/L	-	W	13.1	UG/L	J
Silicon	E	3230	UG/L	J	E	6050	UG/L	J
Silver	N	153	UG/L	J	N	162	UG/L	J
Sodium		3850000	UG/L	-		4620000	UG/L	-
Thallium	+N	115	UG/L	J	+N	124	UG/L	J
Tin	U	200	UG/L	U	U	200	UG/L	U
Vanadium	EN	618	UG/L	J	EN	258	UG/L	J

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1991 RI/FS - Pit 3
Pit Leachate Inorganic Results

Well/Boring:	1771					1772					1770					1770			
Sample ID:	063926					063928					063930					063949			
Sample Date:	06-NOV-91					06-NOV-91					07-NOV-91					15-NOV-91			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Zinc		158	UG/L	-			55.4	UG/L	-			43.4	UG/L	-			93.4	UG/L	-	
Aluminum	EN	6410	UG/L	J	Y	EN	2030	UG/L	J	Y	EN	942	UG/L	J	Y	EN	3340	UG/L	J	Y
Antimony		445	UG/L	-	Y		648	UG/L	-	Y		656	UG/L	-	Y		642	UG/L	-	Y
Arsenic	+	1490	UG/L	J	Y	S	145	UG/L	-	Y	+	240	UG/L	J	Y	S	270	UG/L	-	Y
Barium	E	526	UG/L	J	Y	E	411	UG/L	J	Y	BE	168	UG/L	J	Y	E	404	UG/L	J	Y
Beryllium		8.1	UG/L	-	Y		6.6	UG/L	-	Y		5.2	UG/L	-	Y		6.2	UG/L	-	Y
Boron	EN	3840	UG/L	J	Y	EN	5150	UG/L	J	Y	EN	5480	UG/L	J	Y	EN	5130	UG/L	J	Y
Cadmium	N	192	UG/L	J	Y	N	298	UG/L	J	Y	N	311	UG/L	J	Y	N	406	UG/L	J	Y
Calcium		1010000	UG/L	-	Y		2220000	UG/L	-	Y		1870000	UG/L	-	Y		1740000	UG/L	-	Y
Chromium		182	UG/L	-	Y	U	10	UG/L	U	Y	U	10	UG/L	U	Y	U	10	UG/L	UJ	Y
Cobalt	N	90.2	UG/L	J	Y	N	137	UG/L	J	Y	N	117	UG/L	J	Y	N	128	UG/L	J	Y
Copper	EN	782	UG/L	J	Y	EN	98.3	UG/L	J	Y	EN	491	UG/L	J	Y	EN	600	UG/L	J	Y
Iron	E	12200	UG/L	J	Y	E	1030	UG/L	J	Y	E	259	UG/L	J	Y	E	3580	UG/L	J	Y
Lead		1610	UG/L	-	Y	UW	2	UG/L	UJ	Y	UW	2	UG/L	UJ	Y		169	UG/L	-	Y
Magnesium		1570000	UG/L	-	Y		4020000	UG/L	-	Y		4140000	UG/L	-	Y		3830000	UG/L	-	Y
Manganese		92600	UG/L	-	Y		101000	UG/L	-	Y		132000	UG/L	-	Y		134000	UG/L	-	Y
Mercury		98.8	UG/L	-	Y		.3	UG/L	J	Y		.63	UG/L	-	Y		.28	UG/L	J	Y
Molybdenum	EN	2800	UG/L	J	Y	EN	995	UG/L	J	Y	EN	2340	UG/L	J	Y	EN	2310	UG/L	J	Y
Nickel	N	47.3	UG/L	J	Y	UN	20	UG/L	UJ	Y	UN	20	UG/L	UJ	Y	UN	20	UG/L	UJ	Y
Potassium		713000	UG/L	-	Y		788000	UG/L	-	Y		480000	UG/L	-	Y		431000	UG/L	-	Y
Selenium	S	140	UG/L	-	Y	UW	10	UG/L	UJ	Y	+	67	UG/L	J	Y	S	13.3	UG/L	-	Y

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1991 RI/FS - Pit 3
Pit Leachate Inorganic Results

Well/Boring:	1771					1772			
Sample ID:	063950					063951			
Sample Date:	15-NOV-91					15-NOV-91			
Top Depth (ft):	N/A					N/A			
Bottom Depth (ft):	N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Zinc		56.7	UG/L	-			66	UG/L	-	
Aluminum	EN	1480	UG/L	J	Y	EN	3060	UG/L	J	Y
Antimony		627	UG/L	-	Y		714	UG/L	-	Y
Arsenic		248	UG/L	-	Y	S	166	UG/L	-	Y
Barium	BE	174	UG/L	J	Y	E	308	UG/L	J	Y
Beryllium		5.4	UG/L	-	Y		6.2	UG/L	-	Y
Boron	EN	7360	UG/L	J	Y	EN	5200	UG/L	J	Y
Cadmium	N	383	UG/L	J	Y	N	475	UG/L	J	Y
Calcium		1920000	UG/L	-	Y		2780000	UG/L	-	Y
Chromium		19.4	UG/L	J	Y	U	10	UG/L	UJ	Y
Cobalt	N	119	UG/L	J	Y	N	160	UG/L	J	Y
Copper	EN	622	UG/L	J	Y	EN	148	UG/L	J	Y
Iron	E	1140	UG/L	J	Y	E	1920	UG/L	J	Y
Lead		60.8	UG/L	-	Y	S	50.6	UG/L	-	Y
Magnesium		3150000	UG/L	-	Y		4950000	UG/L	-	Y
Manganese		178000	UG/L	-	Y		120000	UG/L	-	Y
Mercury		26.8	UG/L	-	Y	U	.2	UG/L	UJ	Y
Molybdenum	EN	5210	UG/L	J	Y	EN	1090	UG/L	J	Y
Nickel	UN	20	UG/L	UJ	Y	UN	20	UG/L	UJ	Y
Potassium		698000	UG/L	-	Y		830000	UG/L	-	Y
Selenium	S	125	UG/L	-	Y	W	13.1	UG/L	J	Y

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1991 RI/FS - Pit 3
Pit Leachate Inorganic Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1771					1772					1770					1770			
Sample ID:		063926					063928					063930					063949			
Sample Date:		06-NOV-91					06-NOV-91					07-NOV-91					15-NOV-91			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A					N/A			
Silicon	E	9220	UG/L	-	Y	E	6230	UG/L	J	Y	E	2460	UG/L	J	Y	E	5040	UG/L	J	Y
Silver	N	130	UG/L	J	Y	N	165	UG/L	J	Y	N	141	UG/L	J	Y	N	140	UG/L	J	Y
Sodium		1880000	UG/L	-	Y		4230000	UG/L	-	Y		3410000	UG/L	-	Y		2960000	UG/L	-	Y
Thallium	SN	107	UG/L	J	Y	+N	76.6	UG/L	J	Y	+N	24.4	UG/L	J	Y	+N	191	UG/L	J	Y
Tin	U	200	UG/L	U	Y	U	200	UG/L	U	Y	U	200	UG/L	U	Y	U	200	UG/L	U	Y
Vanadium	EN	1240	UG/L	J	Y	EN	238	UG/L	J	Y	EN	460	UG/L	J	Y	EN	643	UG/L	J	Y
Zinc		158	UG/L	-	Y		55.4	UG/L	-	Y		43.4	UG/L	-	Y		93.4	UG/L	-	Y

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1991 RI/FS - Pit 3
Pit Leachate Inorganic Results

Well/Boring:	1771					1772				
Sample ID:	063950					063951				
Sample Date:	15-NOV-91					15-NOV-91				
Top Depth (ft):	N/A					N/A				
Bottom Depth (ft):	N/A					N/A				
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Silicon	E	3230	UG/L	J	Y	E	6050	UG/L	J	Y
Silver	N	153	UG/L	J	Y	N	162	UG/L	J	Y
Sodium		3850000	UG/L	-	Y		4620000	UG/L	-	Y
Thallium	+N	115	UG/L	J	Y	+N	124	UG/L	J	Y
Tin	U	200	UG/L	U	Y	U	200	UG/L	U	Y
Vanadium	EN	618	UG/L	J	Y	EN	258	UG/L	J	Y
Zinc		56.7	UG/L	-	Y		66	UG/L	-	Y

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PIT 3
PIT LEACHATE
ORGANIC RESULTS

1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771					1772					1770		
Sample ID:	063926					063928					063930		
Sample Date:	06-NOV-91					06-NOV-91					07-NOV-91		
Top Depth (ft):	N/A					N/A					N/A		
Bottom Depth (ft):	N/A					N/A					N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
1,2,3,4,6,7,8-HpCDD		1.9	NG/L	J		U	2.2	NG/L	U		U	.45	NG/L	U	
1,2,3,4,6,7,8-HpCDF	U	.99	NG/L	U		U	2	NG/L	U		U	.78	NG/L	U	
1,2,3,4,7,8,9-Heptachlorodiben	U	1.4	NG/L	U		U	2.9	NG/L	U		U	1.1	NG/L	U	
1,2,3,4,7,8-Hexachlorodibenzo-	U	.66	NG/L	U		U	1.4	NG/L	U		U	.98	NG/L	U	
1,2,3,4,7,8-Hexachlorodibenzof	U	.89	NG/L	U		U	1.6	NG/L	U		U	.65	NG/L	U	
1,2,3,6,7,8-Hexachlorodibenzo-	U	.52	NG/L	U		U	1.1	NG/L	U		U	.78	NG/L	U	
1,2,3,6,7,8-Hexachlorodibenzof	U	.79	NG/L	U		U	1.4	NG/L	U		U	.57	NG/L	U	
1,2,3,7,8,9-Hexachlorodibenzo-	U	.55	NG/L	U		U	1.2	NG/L	U		U	.82	NG/L	U	
1,2,3,7,8,9-Hexachlorodibenzof	U	1	NG/L	U		U	1.9	NG/L	U		U	.75	NG/L	U	
1,2,3,7,8-Pentachlorodibenzo-p	U	1.6	NG/L	U		U	5.4	NG/L	U		U	3.5	NG/L	U	
1,2,3,7,8-Pentachlorodibenzofu	U	.47	NG/L	U		U	.89	NG/L	U		U	.49	NG/L	U	
2,3,4,6,7,8-Hexachlorodibenzof	U	.93	NG/L	U		U	1.7	NG/L	U		U	.68	NG/L	U	
2,3,4,7,8-Pentachlorodibenzofu	U	.51	NG/L	U		U	.97	NG/L	U		U	.53	NG/L	U	
2,3,7,8-TCDD	U	.36	NG/L	U		U	2.3	NG/L	U		U	.92	NG/L	U	
2,3,7,8-TCDF	U	.34	NG/L	U		U	1.1	NG/L	U		U	.87	NG/L	U	
Heptachlorodibenzo-p-dioxin		3.5	NG/L	-			1.2	NG/L	-		U	.45	NG/L	U	
Heptachlorodibenzofuran		1.5	NG/L	-		U	2.4	NG/L	U		U	.92	NG/L	U	
Hexachlorodibenzo-p-dioxin	U	.57	NG/L	U		U	1.2	NG/L	U		U	.85	NG/L	U	
Hexachlorodibenzofuran	U	.9	NG/L	U		U	1.7	NG/L	U		U	.65	NG/L	U	
Octachlorodibenzo-p-dioxin		25.5	NG/L	J			18.5	NG/L	J			3.1	NG/L	J	
Octachlorodibenzofuran		1.2	NG/L	J			1.6	NG/L	J		U	.38	NG/L	UJ	

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1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771					1772					1770			
Sample ID:	063926					063928					063930			
Sample Date:	06-NOV-91					06-NOV-91					07-NOV-91			
Top Depth (ft):	N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Pentachlorodibenzo-p-dioxin	U	1.6	NG/L	U	U		5.4	NG/L	U	U		3.5	NG/L	U	
Pentachlorodibenzofuran	U	.48	NG/L	U	U		.93	NG/L	U	U		.51	NG/L	U	
Tetrachlorodibenzo-p-dioxin	U	.3	NG/L	U	U		.43	NG/L	U	U		.27	NG/L	U	
Tetrachlorodibenzofuran	U	.33	NG/L	U	U		.57	NG/L	U	U		.27	NG/L	U	
2,4,5-T	U	4.1	UG/L	U	U		4.2	UG/L	U	U		4.1	UG/L	U	
2,4,5-TP (Silvex)	U	3.6	UG/L	U	U		3.8	UG/L	U	U		3.7	UG/L	U	
2,4-D	U	20	UG/L	U	U		21	UG/L	U	U		21	UG/L	U	
Dinoseb	U	20	UG/L	R	U		20	UG/L	R	U		20	UG/L	R	
Sulfotepp	U	10	UG/L	UJ	U		10	UG/L	R	U		10	UG/L	R	
Dimethoate															
Disulfoton															
Famphur															
Parathion, ethyl															
Parathion, methyl															
Tetraethylpyrophosphate															
Thionazin															
4,4-DDD	U	1	UG/L	U	U		1	UG/L	U	U		1	UG/L	U	
4,4-DDE	U	1	UG/L	U	U		1	UG/L	U	U		1	UG/L	U	
4,4-DDT	U	1	UG/L	U	U		1	UG/L	U	U		1	UG/L	U	
Aldrin	U	.5	UG/L	U	U		.5	UG/L	U	U		.5	UG/L	U	
Aroclor-1016	U	5	UG/L	U	U		5	UG/L	U	U		5	UG/L	U	

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Aroclor-1221	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Aroclor-1232	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Aroclor-1242	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Aroclor-1248	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Aroclor-1254	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Aroclor-1260	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Dieldrin	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
Endosulfan II	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
Endosulfan sulfate	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
Endosulfan-I	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
Endrin	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
Endrin ketone	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
Heptachlor	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
Heptachlor epoxide	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
Isodrin	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
Kepone	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
Methoxychlor	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Toxaphene	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
alpha-BHC	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
alpha-Chlordane	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
beta-BHC	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U

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1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
delta-BHC	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
gamma-BHC (Lindane)	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
gamma-Chlordane	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
1,2,4,5-Tetrachlorobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
1,2,4-Trichlorobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
1,2-Dichlorobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
1,3,5-Trinitrobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
1,3-Dichlorobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
1,3-Dinitrobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
1,4-Dichlorobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
1,4-Naphthoquinone	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
1-Naphthylamine	U	120	UG/L	R	U	120	UG/L	R	U	120	UG/L	R
2,3,4,6-Tetrachlorophenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2,4,5-Trichlorophenol	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
2,4,6-Trichlorophenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2,4-Dichlorophenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2,4-Dimethylphenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2,4-Dinitrophenol	U	50	UG/L	R	J	3	UG/L	R	U	50	UG/L	R
2,4-Dinitrotoluene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2,6-Dichlorophenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2,6-Dinitrotoluene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R

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1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
2-Acetylaminofluorene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2-Chloronaphthalene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2-Chlorophenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2-Methylnaphthalene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2-Methylphenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2-Naphthylamine	U	170	UG/L	R	U	170	UG/L	R	U	170	UG/L	R
2-Nitroaniline	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
2-Nitrophenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2-Picoline	U	70	UG/L	R	U	70	UG/L	R	U	70	UG/L	R
3,3'-Dichlorobenzidine	U	20	UG/L	UJ	U	20	UG/L	UJ	U	20	UG/L	UJ
3,3'-Dimethylbenzidine	U	80	UG/L	R	U	80	UG/L	R	U	80	UG/L	R
3-Methylcholanthrene	U	30	UG/L	R	U	30	UG/L	R	U	30	UG/L	R
3-Methylphenol	U	20	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
3-Nitroaniline	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
4,6-Dinitro-2-methylphenol	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
4-Aminobiphenyl	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
4-Bromophenyl phenyl ether	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
4-Chloro-3-methylphenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
4-Chloroaniline	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
4-Chlorophenylphenyl ether	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
4-Methylphenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R

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1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
4-Nitroaniline	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
4-Nitrophenol	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
4-Nitroquinoline-1-oxide	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
5-Nitro-o-toluidine	U	20	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
7,12-Dimethylbenz(a)anthracene	U	20	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
Acenaphthene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Acenaphthylene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Acetophenone	U	10	UG/L	R	U	10	UG/L	R	J	3	UG/L	R
Aniline	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
Anthracene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Aramite	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Benzidine	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
Benzo(a)anthracene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Benzo(a)pyrene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Benzo(b)fluoranthene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Benzo(g,h,i)perylene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Benzo(k)fluoranthene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Benzoic acid	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
Benzyl alcohol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Butyl benzyl phthalate	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Carbazole												

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1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771					1772				1770		
Sample ID:	063926					063928				063930		
Sample Date:	06-NOV-91					06-NOV-91				07-NOV-91		
Top Depth (ft):	N/A					N/A				N/A		
Bottom Depth (ft):	N/A					N/A				N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Chlorobenzilate	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
Chrysene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Di-n-butyl phthalate	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Di-n-octyl phthalate	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Diallate	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Dibenzo(a,h)anthracene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Dibenzofuran	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Diethyl phthalate	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Dimethyl phthalate	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Dinoseb	U	20	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
Diphenylamine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Ethyl methanesulfonate	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Fluoranthene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Fluorene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Hexachlorobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Hexachlorobutadiene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Hexachlorocyclopentadiene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Hexachloroethane	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Hexachlorophene	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
Hexachloropropene	U	20	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
Indeno(1,2,3-cd)pyrene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ

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1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Isophorone	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Isosafrole	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Methapyrilene	U	40	UG/L	R	U	40	UG/L	R	U	40	UG/L	R
Methyl methanesulfonate	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
N-Nitroso-di-n-propylamine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
N-Nitrosodi-n-butylamine	U	20	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
N-Nitrosodiethylamine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
N-Nitrosodimethylamine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
N-Nitrosodiphenylamine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
N-Nitrosomethylethylamine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
N-Nitrosomorpholine	J	3	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
N-Nitrosopiperidine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
N-Nitrosopyrrolidine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Naphthalene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Nitrobenzene	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
O,O,O-Triethylphosphorothioate	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Pentachlorobenzene	U	20	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
Pentachloroethane	U	10	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
Pentachloronitrobenzene	U	20	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
Pentachlorophenol	J	13	UG/L	R	J	5	UG/L	R		56	UG/L	R
Phenacetin	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R

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1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Phenanthrene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Phenol	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Phorate												
Pronamide	U	30	UG/L	R	U	30	UG/L	R	U	30	UG/L	R
Pyrene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Pyridine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Safrole	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
Sulfotepp	U	10	UG/L	UJ	U	10	UG/L	R	U	10	UG/L	R
Tributyl phosphate												
Triethylphosphorothioate												
a,a-Dimethylphenethylamine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
bis(2-Chloroethoxy)methane	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
bis(2-Chloroethyl)ether	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
bis(2-Chloroisopropyl) ether	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
bis(2-Ethylhexyl) phthalate	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
o-Toluidine	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
p-Dimethylaminoazobenzene	U	30	UG/L	R	U	30	UG/L	R	U	30	UG/L	R
p-Phenylenediamine	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
1,1,1,2-Tetrachloroethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
1,1,1-Trichloroethane	U	5	UG/L	U	J	1	UG/L	J	U	5	UG/L	U
1,1,2,2-Tetrachloroethane	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U

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Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
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U - Undetected
J - Estimated
- - Detected
NV - Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
1,1,2-Trichloroethane	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	
1,1-Dichloroethane	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	
1,1-Dichloroethene	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	
1,2,3-Trichloropropane	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
1,2-Dibromo-3-chloropropane	U	10	UG/L	U		U	10	UG/L	UJ		U	10	UG/L	U	
1,2-Dibromoethane	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
1,2-Dichloroethane	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	
1,2-Dichloroethylene	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	
1,2-Dichloropropane	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	
1,4-Dioxane		660	UG/L	J			300	UG/L	J			1000	UG/L	J	
2-Butanone	BJ	6	UG/L	U		B	17	UG/L	-		B	44	UG/L	-	
2-Chloro-1,3-butadiene	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
2-Hexanone	U	10	UG/L	U			19	UG/L	-			40	UG/L	-	
3-Chloropropene	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
4-Methyl-2-pentanone		24	UG/L	-			10	UG/L	-			25	UG/L	-	
Acetone	B	30	UG/L	-		B	48	UG/L	-		BD	240	UG/L	-	
Acetonitrile		42	UG/L	J		U	20	UG/L	UJ			58	UG/L	J	
Acrolein	U	20	UG/L	UJ		U	20	UG/L	UJ		U	20	UG/L	UJ	
Acrylonitrile	J	7	UG/L	J		J	8	UG/L	J		U	20	UG/L	R	
Benzene	U	5	UG/L	UJ		U	5	UG/L	UJ		U	5	UG/L	UJ	
Bromodichloromethane	U	5	UG/L	U		U	5	UG/L	U		U	5	UG/L	U	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Bromoform	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Bromomethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Carbon Tetrachloride	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Carbon disulfide	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Chlorobenzene	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ
Chloroethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Chloroform		67	UG/L	-		30	UG/L	-		71	UG/L	-
Chloromethane	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
Dibromochloromethane	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Dibromomethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Dichlorodifluoromethane	U	200	UG/L	R	U	200	UG/L	R	U	200	UG/L	R
Ethyl cyanide	J	3	UG/L	J	J	4	UG/L	J	J	4	UG/L	J
Ethyl methacrylate	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Ethylbenzene	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ
Iodomethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Isobutyl alcohol	J	38	UG/L	J	J	22	UG/L	J	J	48	UG/L	J
Methacrylonitrile	J	1	UG/L	J	U	10	UG/L	U	U	10	UG/L	U
Methyl methacrylate	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Methylene chloride	BJ	2	UG/L	U	U	5	UG/L	U	BJ	2	UG/L	U
Styrene	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ
Tetrachlorethene	J	1	UG/L	J	U	5	UG/L	U	J	2	UG/L	J

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FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 3
Pit Leachate Organic Results

Well/Boring:	1771				1772				1770			
Sample ID:	063926				063928				063930			
Sample Date:	06-NOV-91				06-NOV-91				07-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Toluene	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ
Total xylenes	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ
Trichloroethene	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
Trichlorofluoromethane	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Vinyl Acetate	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
Vinyl chloride	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
cis-1,3-Dichloropropene	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
trans-1,3-Dichloropropene	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
trans-1,4-Dichloro-2-butene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ

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FEMP OU1RI-5 USEPA

A.3.3

PIT 3

EXPERIMENTAL TREATMENT FACILITY (ETF)

A.3.3.1

SAMPLES

SURROUNDING ETF

Experimental Treatment Facility Removal Action
Soil Samples Area Surrounding ETF
Radiological Results

Well/Boring:	N/A					N/A					N/A					N/A				
Sample ID	92-141A-3762					92-141A-3763					92-141A-3764					92-141A-3765				
Sample Date:	3/3/92					3/3/92					3/3/92					3/3/92				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	0.5					0.5					0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
GROSS ALPHA		24.29	pCi/g	NV			34.58	pCi/g	NV			31.70	pCi/g	NV			14.94	pCi/g	NV	
GROSS BETA		53.82	pCi/g	NV			69.38	pCi/g	NV			113.60	pCi/g	NV			44.08	pCi/g	NV	
TOTAL THORIUM		<18	µg/g	NV			<18	µg/g	NV			<18	µg/g	NV			<18	µg/g	NV	
TOTAL URANIUM		29	µg/g	NV			29	µg/g	NV			29	µg/g	NV			29	µg/g	NV	

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

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-5129

Experimental Treatment Facility Removal Action
Soil Samples Area Surrounding ETF
Radiological Results

Well/Boring:	N/A				N/A				
Sample ID	92-141A-3766				92-141A-3767				
Sample Date:	3/3/92				3/3/92				
Top Depth (ft):	0.0				0.0				
Bottom Depth (ft):	0.5				0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
GROSS ALPHA		21.05	pCi/g	NV			17.96	pCi/g	NV	
GROSS BETA		29.80	pCi/g	NV			31.10	pCi/g	NV	
TOTAL THORIUM		<18	µg/g	NV			<18	µg/g	NV	
TOTAL URANIUM		29	µg/g	NV			29	µg/g	NV	

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Soil Sample Area Surrounding ETF
Organic Results

Well/Boring:	N/A					N/A					N/A					N/A				
Sample ID:	92-141A-3762					92-141A-3763					92-141A-3764					92-141A-3765				
Sample Date:	3/3/92					3/3/92					3/3/92					3/3/92				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	0.5					0.5					0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
1,1,1-TRICHLOROETHANE	U	5	µG/KG	NV		U	5	µG/KG	NV		U	5	µG/KG	NV		U	5	µG/KG	NV	

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Submittal Date: 08-Feb-94
Print Date: 1/29/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Soil Sample Area Surrounding ETF
Organic Results

Well/Boring:	N/A					N/A			
Sample ID:	92-141A-3766					92-141A-3767			
Sample Date:	3/3/92					3/3/92			
Top Depth (ft):	0.0					0.0			
Bottom Depth (ft):	0.5					0.5			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
1,1,1-TRICHLOROETHANE	U	5	µG/KG	NV		U	5	µG/KG	NV	

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Submittal Date: 08-Feb-94
Print Date: 1/29/94
FEMP OU1RI-5 USEPA

A.3.3.2

PIT 3

ETF WASTE MATERIAL SAMPLING

Experimental Treatment Facility Removal Action
Waste Material Sample
Radiological Results

Well/Boring:	N/A					N/A					N/A					N/A				
Sample ID:	92-141-3770					92-141-3771					92-141-3772					92-141-3773				
Sample Date:	3/4/92					3/4/92					3/4/92					3/4/92				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	0.5					0.5					0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
URANIUM-235		0.42	pCi/g	NV	Y		1.6	pCi/g	NV	Y		<.16	pCi/g	NV	Y	U	0.74	pCi/g	NV	Y
URANIUM-236		0.52	pCi/g	NV	Y		1.2	pCi/g	NV	Y		<.11	pCi/g	NV	Y	U	0.58	pCi/g	NV	Y
GROSS ALPHA		58	pCi/g	NV	Y		900	pCi/g	NV	Y		<37	pCi/g	NV	Y	U	<40	pCi/g	NV	Y
GROSS BETA		<64	pCi/g	NV	Y		540	pCi/g	NV	Y		<64	pCi/g	NV	Y	U	<69	pCi/g	NV	Y
TOTAL THORIUM		<18	ug/g	NV	Y		N/A	ug/g	NV	Y		<18	ug/g	NV	Y	U	<18	ug/g	NV	Y
TOTAL URANIUM		25	ug/g	NV	Y		N/A	ug/g	NV	Y		<11	ug/g	NV	Y	U	44.00	ug/g	NV	Y

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< = Undetected at result concentration shown

Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Waste Material Sample
Radiological Results

Well/Boring:	N/A					N/A				
Sample ID:	92-141-3774					92-141-3775				
Sample Date:	3/4/92					3/4/92				
Top Depth (ft):	0.0					0.0				
Bottom Depth (ft):	0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
URANIUM-235	U	0.23	pCi/g	NV	Y	U	5.60	pCi/g	NV	Y
URANIUM-236	U	17.00	pCi/g	NV	Y	U	4.70	pCi/g	NV	Y
GROSS ALPHA	U	67.00	pCi/g	NV	Y	U	<47	pCi/g	NV	Y
GROSS BETA	U	<70	pCi/g	NV	Y	U	<70	pCi/g	NV	Y
TOTAL THORIUM	U	<18	ug/g	NV	Y	U	N/A	ug/g	NV	Y
TOTAL URANIUM	U	16.00	ug/g	NV	Y	U	N/A	ug/g	NV	Y

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 EPA

5129
OU 590

Experimental Treatment Facility Removal Action
Waste Material Sample
Inorganic Results

Well/Boring:	N/A					N/A					N/A					N/A				
Sample ID:	92-141-3770					92-141-3771					92-141-3772					92-141-3773				
Sample Date:	3/4/92					3/4/92					3/4/92					3/4/92				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	0.5					0.5					0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
ARSENIC	U	200	µG/L	NV	Y	U	200	µG/L	NV	Y	U	200	µG/L	NV	Y	U	200	µG/L	NV	Y
BARIUM		3780	µG/L	NV	Y		2140	µG/L	NV	Y		467	µG/L	NV	Y		4020	µG/L	NV	Y
CADMIUM	U	100	µG/L	NV	Y	U	100	µG/L	NV	Y	U	100	µG/L	NV	Y	U	100	µG/L	NV	Y
CHROMIUM	U	500	µG/L	NV	Y	U	500	µG/L	NV	Y	U	500	µG/L	NV	Y	U	500	µG/L	NV	Y
LEAD		222	µG/L	NV	Y		281	µG/L	NV	Y	U	200	µG/L	NV	Y	U	200	µG/L	NV	Y
SELENIUM	U	557	µG/L	NV	Y	U	557	µG/L	NV	Y	U	557	µG/L	NV	Y	U	557	µG/L	NV	Y
SILVER	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y
MERCURY	U	0.20	µG/L	NV	Y	U	0.20	µG/L	NV	Y	U	0.20	µG/L	NV	Y	U	0.20	µG/L	NV	Y

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Waste Material Sample
Inorganic Results

Well/Boring:		N/A					N/A				
Sample ID:		92-141-3774					92-141-3775				
Sample Date:		3/4/92					3/4/92				
Top Depth (ft):		0.0					0.0				
Bottom Depth (ft):		0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
ARSENIC	U	200	µG/L	NV	Y	U	200	µG/L	NV	Y
BARIUM		4000	µG/L	NV	Y		2150	µG/L	NV	Y
CADMIUM	U	100	µG/L	NV	Y	U	100	µG/L	NV	Y
CHROMIUM	U	500	µG/L	NV	Y	U	500	µG/L	NV	Y
LEAD		237	µG/L	NV	Y		280	µG/L	NV	Y
SELENIUM	U	557	µG/L	NV	Y	U	557	µG/L	NV	Y
SILVER	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y
MERCURY	U	0.20	µG/L	NV	Y	U	0.20	µG/L	NV	Y

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-[illegible]EPA

Experimental Treatment Facility Removal Action
Waste Material Sample
Organic Results

Well/Boring:	N/A					N/A					N/A					N/A				
Sample ID:	92-141-3770					92-141-3771					92-141-3772					92-141-3773				
Sample Date:	3/4/92					3/4/92					3/4/92					3/4/92				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	0.5					0.5					0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHLORDANE	U	0.10	µG/L	NV	Y	U	0.10	µG/L	NV	Y	U	0.10	UG/L	NV	Y	U	0.10	µG/L	NV	Y
ENDRIN	U	0.10	µG/L	NV	Y	U	0.10	µG/L	NV	Y	U	0.10	UG/L	NV	Y	U	0.10	µG/L	NV	Y
HEPTACHLOR	U	0.05	µG/L	NV	Y	U	0.05	µG/L	NV	Y	U	0.05	UG/L	NV	Y	U	0.05	µG/L	NV	Y
HEPTACHLOR EPOXIDE	U	0.05	µG/L	NV	Y	U	0.05	µG/L	NV	Y	U	0.05	UG/L	NV	Y	U	0.05	µG/L	NV	Y
LINDANE	U	0.05	µG/L	NV	Y	U	0.05	µG/L	NV	Y	U	0.05	UG/L	NV	Y	U	0.05	µG/L	NV	Y
METHOXYCHLOR	U	0.50	µG/L	NV	Y	U	0.50	µG/L	NV	Y	U	0.50	UG/L	NV	Y	U	0.50	µG/L	NV	Y
TOXAPHENE	U	1.00	µG/L	NV	Y	U	1.00	µG/L	NV	Y	U	1.00	UG/L	NV	Y	U	1.00	µG/L	NV	Y
2,4-D	U	1.00	µG/L	NV	Y	U	1.00	µG/L	NV	Y	U	1.00	UG/L	NV	Y	U	1.00	µG/L	NV	Y
SILVEX (2,4,5-TP)	U	0.50	µG/L	NV	Y	U	0.50	µG/L	NV	Y	U	0.50	UG/L	NV	Y	U	0.50	µG/L	NV	Y

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- = Detected
NV = Not validated
< = Undetected at result concentration shown

Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Waste Material Sample
Organic Results

Well/Boring:	N/A					N/A				
Sample ID:	92-141-3774					92-141-3775				
Sample Date:	3/4/92					3/4/92				
Top Depth (ft):	0.0					0.0				
Bottom Depth (ft):	0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHLORDANE	U	0.10	µG/L	NV	Y	U	0.10	µG/L	NV	Y
ENDRIN	U	0.10	µG/L	NV	Y	U	0.10	µG/L	NV	Y
HEPTACHLOR	U	0.05	µG/L	NV	Y	U	0.05	µG/L	NV	Y
HEPTACHLOR EPOXIDE	U	0.05	µG/L	NV	Y	U	0.05	µG/L	NV	Y
LINDANE	U	0.05	µG/L	NV	Y	U	0.05	µG/L	NV	Y
METHOXYCHLOR	U	0.50	µG/L	NV	Y	U	0.50	µG/L	NV	Y
TOXAPHENE	U	1.00	µG/L	NV	Y	U	1.00	µG/L	NV	Y
2,4-D	U	1.00	µG/L	NV	Y	U	1.00	µG/L	NV	Y
SILVEX (2,4,5-TP)	U	0.50	µG/L	NV	Y	U	0.50	µG/L	NV	Y

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Waste Material Sample
Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		N/A					N/A					N/A					N/A			
Sample ID:		92-141-3770					92-141-3771					92-141-3772					92-141-3773			
Sample Date:		3/4/92					3/4/92					3/4/92					3/4/92			
Top Depth (ft):		0.0					0.0					0.0					0.0			
Bottom Depth (ft):		0.5					0.5					0.5					0.5			
BENZENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
CARBON TETRACHLORIDE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
CHLOROBENZENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
CHLOROFORM	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
1,2-DICHLOROETHANE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
1,1-DICHLOROETHYLENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
METHYL ETHYL KETONE	U	50	µG/L	NV	Y		240	µG/L	NV	Y	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y
TETRACHLOROETHYLENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
TRICHLOROETHYLENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
VINYL CHLORIDE	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y
1,1,1-TRICHLOROETHANE	U	5.1	µG/L	NV	Y	U	6.1	µG/L	NV	Y	U	5.1	µG/L	NV	Y	U	5.2	µG/L	NV	Y

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Waste Material Sample
Organic Results

Well/Boring:	N/A					N/A				
Sample ID:	92-141-3774					92-141-3775				
Sample Date:	3/4/92					3/4/92				
Top Depth (ft):	0.0					0.0				
Bottom Depth (ft):	0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BENZENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
CARBON TETRACHLORIDE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
CHLOROBENZENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
CHLOROFORM	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
1,2-DICHLOROETHANE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
1,1-DICHLOROETHYLENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
METHYL ETHYL KETONE	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y
TETRACHLOROETHYLENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
TRICHLOROETHYLENE	U	25	µG/L	NV	Y	U	25	µG/L	NV	Y
VINYL CHLORIDE	U	50	µG/L	NV	Y	U	50	µG/L	NV	Y
1,1,1-TRICHLOROETHANE	U	5.1	µG/L	NV	Y	U	5.8	µG/L	NV	Y

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 PA

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5129

Experimental Treatment Facility Removal Action
Waste Material
Organic Results

Well/Boring:	N/A					N/A					N/A					N/A				
Sample ID:	92-141-3770					92-141-3771					92-141-3772					92-141-3773				
Sample Date:	3/4/92					3/4/92					3/4/92					3/4/92				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	0.5					0.5					0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
O-CRESOL	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
M- AND P-CRESOL	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
1,4-DICHLOROBENZENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
2,4-DINITROTOLUENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
HEXACHLOROBENZENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
HEXACHLORO-1,3-BUTADIENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
HEXACHLOROETHANE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
NITROBENZENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
PENTACHLOROPHENOL	U	100	µG/L	NV	Y	U	100	µG/L	NV	Y	U	100	µG/L	NV	Y	U	100	µG/L	NV	Y
PYRIDINE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
2,4,5-TRICHLOROPHENOL	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
2,4,6-TRICHLOROPHENOL	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Waste Material
Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		N/A					N/A			
Sample ID:		92-141-3774					92-141-3775			
Sample Date:		3/4/92					3/4/92			
Top Depth (ft):		0.0					0.0			
Bottom Depth (ft):		0.5					0.5			
O-CRESOL	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
M- AND P-CRESOL	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
1,4-DICHLOROBENZENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
2,4-DINITROTOLUENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
HEXACHLOROBENZENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
HEXACHLORO-1,3-BUTADIENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
HEXACHLOROETHANE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
NITROBENZENE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
PENTACHLOROPHENOL	U	100	µG/L	NV	Y	U	100	µG/L	NV	Y
PYRIDINE	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
2,4,5-TRICHLOROPHENOL	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y
2,4,6-TRICHLOROPHENOL	U	20	µG/L	NV	Y	U	20	µG/L	NV	Y

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

A.3.3.3

PIT 3

SAMPLES BENEATH ETF

Experimental Treatment Facility Removal Action
Soil Sample Beneath ETF Structure
Radiological Results

Well/Boring:	N/A					N/A					N/A				
Sample ID:	92-141-4080					92-141-4081					92-141-4082				
Sample Date:	4/15/92					4/15/92					4/15/92				
Top Depth (ft):	0.0					0.0					0.0				
Bottom Depth (ft):	0.5					0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
GROSS ALPHA		72	pCi/g	NV			35	pCi/g	NV			13	pCi/g	NV	
GROSS BETA		120	pCi/g	NV			64	pCi/g	NV			32	pCi/g	NV	
CESIUM-137		<0.016	pCi/g	NV			<0.016	pCi/g	NV			0.02	pCi/g	NV	
NEPTUNIUM-237		<0.24	pCi/g	NV			0.51	pCi/g	NV			<0.23	pCi/g	NV	
PLUTONIUM-238		<0.16	pCi/g	NV			<0.16	pCi/g	NV			<0.12	pCi/g	NV	
PLUTONIUM-239/240		<0.13	pCi/g	NV			<0.13	pCi/g	NV			<0.099	pCi/g	NV	
RADIUM-226		1.6	pCi/g	NV			<0.47	pCi/g	NV			<0.36	pCi/g	NV	
RADIUM-228		1.2	pCi/g	NV			<0.68	pCi/g	NV			0.4	pCi/g	NV	
TECHNETIUM-99		<22	pCi/g	NV			<23	pCi/g	NV			24	pCi/g	NV	
TOTAL THORIUM		<18	µg/g	NV			<18	µg/g	NV			<18	µg/g	NV	
TOTAL URANIUM		53	µg/g	NV			105	µg/g	NV			18	µg/g	NV	
THORIUM-228		1.8	pCi/g	NV			1.6	pCi/g	NV			0.85	pCi/g	NV	
THORIUM-230		2.5	pCi/g	NV			5	pCi/g	NV			0.82	pCi/g	NV	
THORIUM-232		1.5	pCi/g	NV			1.6	pCi/g	NV			0.54	pCi/g	NV	
URANIUM-234		<3.3	pCi/g	NV			<6.5	pCi/g	NV			<1.1	pCi/g	NV	
URANIUM-235/236		0.32/0.088	pCi/g	NV			0.54/0.21	pCi/g	NV			0.14/0.042	pCi/g	NV	

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5 USEPA

Experimental Treatment Facility Removal Action
Soil Sample Beneath ETF Structure
Radiological Results

Well/Boring:		N/A			
Sample ID:		92-141-4083			
Sample Date:		4/15/92			
Top Depth (ft):		0.0			
Bottom Depth (ft):		0.5			
Parameters	LQ	Result	Unit	VQ	TCLP
GROSS ALPHA		29	pCi/g	NV	
GROSS BETA		37	pCi/g	NV	
CESIUM-137		0.058	pCi/g	NV	
NEPTUNIUM-237		<0.24	pCi/g	NV	
PLUTONIUM-238		<0.16	pCi/g	NV	
PLUTONIUM-239/240		<0.13	pCi/g	NV	
RADIUM-226		<0.46	pCi/g	NV	
RADIUM-228		1.9	pCi/g	NV	
TECHNETIUM-99		<23	pCi/g	NV	
TOTAL THORIUM		<18	µg/g	NV	
TOTAL URANIUM		68	µg/g	NV	
THORIUM-228		1.6	pCi/g	NV	
THORIUM-230		12	pCi/g	NV	
THORIUM-232		1.5	pCi/g	NV	
URANIUM-234		<4.2	pCi/g	NV	
URANIUM-235/236		0.43/0.21	pCi/g	NV	

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Submittal Date: 08-Feb-94
Print Date: 1/30/94
FEMP OU1RI-5[illegible]PA

6001

#5129

Experimental Treatment Facility Removal Action
Soil Sample Beneath ETF Structure
Organic Results

Well/Boring:	N/A					N/A					N/A					N/A				
Sample ID:	92-141-4080					92-141-4081					92-141-4082					92-141-4083				
Sample Date:	4/15/92					4/15/92					4/15/92					4/15/92				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	0.5					0.5					0.5					0.5				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
TRICHLOROFLUOROMETHANE	U	0.42	MG/KG	NV		U	0.42	MG/KG	NV		U	0.42	MG/KG	NV		U	0.42	MG/KG	NV	
1,2,2-TRIFLUOROETHANE	U	0.42	MG/KG	NV		U	0.42	MG/KG	NV		U	0.42	MG/KG	NV		U	0.42	MG/KG	NV	
ACETONE	U	1.0	MG/KG	NV		U	1.0	MG/KG	NV		U	1.0	MG/KG	NV		U	1.0	MG/KG	NV	
CARBON DISULFIDE	U	0.29	MG/KG	NV		U	0.29	MG/KG	NV		U	0.29	MG/KG	NV		U	0.29	MG/KG	NV	
METHYLENE CHLORIDE	U	0.25	MG/KG	NV		U	0.25	MG/KG	NV		U	0.25	MG/KG	NV		U	0.25	MG/KG	NV	
METHYL ETHYL KETONE		1.04	MG/KG	NV		U	0.62	MG/KG	NV		U	0.62	MG/KG	NV		U	0.62	MG/KG	NV	
1,1,1-TRICHLOROETHANE	U	0.50	MG/KG	NV		U	0.50	MG/KG	NV		U	0.50	MG/KG	NV		U	0.50	MG/KG	NV	
CARBON TETRACHLORIDE	U	0.38	MG/KG	NV		U	0.38	MG/KG	NV		U	0.38	MG/KG	NV		U	0.38	MG/KG	NV	
BENZENE	U	0.21	MG/KG	NV		U	0.21	MG/KG	NV		U	0.21	MG/KG	NV		U	0.21	MG/KG	NV	
TRICHLOROETHYLENE	U	0.54	MG/KG	NV		U	0.54	MG/KG	NV		U	0.54	MG/KG	NV		U	0.54	MG/KG	NV	
METHYL ISOBUTYL KETONE	U	0.42	MG/KG	NV		U	0.42	MG/KG	NV		U	0.42	MG/KG	NV		U	0.42	MG/KG	NV	
TOLUENE	U	0.42	MG/KG	NV		U	0.42	MG/KG	NV		U	0.42	MG/KG	NV		U	0.42	MG/KG	NV	
CHLOROBENZENE	U	0.46	MG/KG	NV		U	0.46	MG/KG	NV		U	0.46	MG/KG	NV		U	0.46	MG/KG	NV	
1,1,2-TRICHLOROETHANE	U	0.25	MG/KG	NV		U	0.25	MG/KG	NV		U	0.25	MG/KG	NV		U	0.25	MG/KG	NV	
TETRACHLOROETHYLENE	U	1.2	MG/KG	NV		U	1.2	MG/KG	NV		U	1.2	MG/KG	NV		U	1.2	MG/KG	NV	
ETHYLBENZENE	U	0.21	MG/KG	NV		U	0.21	MG/KG	NV		U	0.21	MG/KG	NV		U	0.21	MG/KG	NV	
M- AND P-XYLENES	U	0.25	MG/KG	NV		U	0.25	MG/KG	NV		U	0.25	MG/KG	NV		U	0.25	MG/KG	NV	
O-XYLENE	U	0.17	MG/KG	NV		U	0.17	MG/KG	NV		U	0.17	MG/KG	NV		U	0.17	MG/KG	NV	
O-DICHLOROBENZENE	U	0.58	MG/KG	NV		U	0.58	MG/KG	NV		U	0.58	MG/KG	NV		U	0.58	MG/KG	NV	

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Submittal Date: 08-Feb-94
Print Date: 1/29/94
FEMP OU1RI-5 USEPA

A.4

PIT 4

A.4.1

PIT 4
PIT MATERIAL

A.4.1.1

PIT 4
PIT MATERIAL
VISUAL CLASSIFICATION OF SOILS

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 04-01 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 481822.09,1378853.13	DATE OF COMPLETION: 4/22/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-04-025	8/9/14/16	10	Brown (10 YR 5/3) CLAY, trace fine to medium gravel black 7.5YR stain in bottom 2-1/2 inches, all mottled, slightly damp to dry.	Ch	NA	50 cpm OVA = ND
2 4	FMP-PS-04-026 FMP-PS-04-027	7/21/40/43	20	10 inches same as above with little fine to medium gravel, damp 10 inches light grownish gray (10 YR 6/2) coarse to fine sand and medium to fine gravel, moist, angular. Black (7.5 YR 2/0) cemmented gravels in trace amount (black gravel of sand size).	Ch	NA	No readings OVA = ND
4 6	FMP-PS-04-028	21/30/19/57	14	2 inches concrete 10 inches same as above (2' 10" - 2' 20") with trace (+) CLAY, damp. 2 inches concrete broken up in end of split spoon.	Ch	NA	No readings OVA = ND
6 8	FMP-PS-04-029 FMP-PS-04-030	27/26/25/25	15	Predominately very dark gray (10 YR 2/1), some light brown (7.5 YR 6/4) mixed throughout, trace yellow (2.5 YR 8/8) very fine sand and silt, damp.	Sm	NA	T 7000 cpm OVA = ND B 11000 cpm
8 10	FMP-PS-04-031	13/100-4"	8	Same as above, moist, no yellow.	Sm	NA	T 1000 cpm OVA = ND
10 12	FMP-PS-04-032 FMP-PS-04-033	17/11/8/9	17	Some very dark gray (10 YR 3/1) very fine sand and silt, saturated, specks of white (2.5 Y 8/8) throughout. 20 specks/ft. of same material size, plastic (clear) in top 4 inches, mostly plastic, no light brown, no yellow.	Sm	NA	T 4000 cpm OVA = ND B 500 cpm
12 14	NA	3/3/3/3	0	Plastic (clear) stuck in the end of the split spoon.	Cl	NA	No readings OVA = ND

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.
Samples FMP-PS-04-001, 002, & 003 are composites of entire boring.

T - top of sample B - bottom of sample
cpm - counts per minute read with HP-210T

FERNALD/04-01.DRW/mb/8-6-93

5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 04-01 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481822.09,1378853.13	DATE OF COMPLETION: 4/22/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	FMP-PS-04-034	32/35/22/24	9.5	Same as 10-12 ft. but dryer slightly damp, yellow yellow 2/5 Y 7/8 material just stained in small area.	NA	NA	T - 1100 cpm OVA = ND B - 7000 cpm
16 18	FMP-PS-04-035	6/6/6/5	12	Same as above, no yellow, or white only very dark gray, very fine sand and silt, saturated, pieces of clear plastic.	NA	NA	900 cpm OVA = ND
18 20	FMP-PS-04-036	4/4/3/7	10.5	Same as above, top 4 inches contain trace (-) medium to fine gravel size light gray (10 YR 7/1) materials with little reddish yellow (7.5 YR 6/6) staining on surface and interior, easily crumbled in hand, appears dry.	NA	NA	1200 cpm
				Total Depth = 20 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.
Samples FMP-PS-04-001, 002, & 003 are composites of entire boring.

T - top of sample B - bottom of sample
cpm - counts per minute read with HP-210T

FERNALD/04-01A.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 04-02 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481795.72, 1378902.38	DATE OF COMPLETION: 4/24/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHE	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2		9/14/ 18/18	18	17" yellowish brown (10 YR 5/4) clay, trace silt dry to slightly damp, .little medium to fine gravel, hard 1" very dark graqy (10 YR 3/1) silt and very fine sand, slightly damp, easily crumbled in hand	NA	NA	T 60 cpm OVA = 1.4 ppm B 350 cpm
2 4		3/100-4"	12	Same as above 0'-2', slightly damp to damp, no very dark gray present	NA	NA	OVA = 1 ppm
4 6		9/14/ 16/19	16 1/2	5 1/2" same as above (2'-4') damp 11" very dark graay (10 YR 3/1) very fine sand, and silt, damp, organic material present (grass roots)	NA	NA	T 300 cpm M 1000 cpm OVA = 1.4 ppm B 14000 cpm
6 8		4/5/ 7/|12	19 1/2	Same as above (4' 5 1/2" - 5'4 1/2") at 12" layer of same material with trace mica and red (10 YR 4/6) staining at 12", material that looks like table salt, occurs at very bottom of sample	NA	NA	T 20000 cpm M 2000 cpm OVA = 1ppm B 1400 cpm
8 10		4/4/ 5/6	16 1/2	Same very dark gray material above (4' 5 1/2" - 8') moist to wet trace (-) white (2.5 Y 8/0) as specks throughout	NA	NA	T 1000 cpm M 3000 cpm B 800 cpm
10 12		1/1/ 3/3	24	Same as above, weak-red (10 R 5/3) staining at 18"-24" saturated, trace brownish yellow (10 YR 6/0) clay size material at 4'-8'	NA	NA	T 1300 cpm B 3000 cpm
12 14		3/|4/ 3/3	19	Same as above, weak red (10 YR 5/3) staining to 5 1/2", saturated.	NA	NA	T 1500 cpm B 500 cpm

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Sample FMP-PS-04-021, 022, 024, & 037 are composites of entire boring.

T - Top of sample
M - Middle of sample
B - Bottom of sample

cpm - counts per minute read with HP-210T

OVA - background = 1-2 ppm

FERNALD/WEL0402.DRW/I/8-9-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 04-02 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 481795.72,1378902.38	DATE OF COMPLETION: 4/24/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHE	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16		1/4/ 4/5	24	Same as above weak red (10 YR 5/3) occurs as blotches throughout (50% of sample) trace white (2.5 Y 8/0) as speck throughout sample	NA	NA	T 2000 cpm B 650 cpm
16 18		1/2/ 3/3	21	Same as above with brownish yellow (10 YR 6/0) CLAY at 15" very saturated	NA	NA	T 2500 cpm OVA = 1 ppm 13,000 cpm
18] 20		11/2/4	18	Same as above very saturated	NA	NA	OVA = 1 ppm
				Total Depth = 20 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.
Samples FMP-04-021, 022, 024, & 037 are composites of entire boring.

T - Top of sample
M - Middle of sample
B - Bottom of sample

cpm - counts per minute read with HP-210T
OVA - background = 1-2 ppm

FERNALD/WEL0402a.DRW/l/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 04-03 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481748.16,1378813.00	DATE OF COMPLETION: 4/22/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHE	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2		12/15/ 55/35	18	Brown (7.5 YR 5/4) clay, trace-silt, little (-) medium to to fine gravel, slightly damp to dry, one medium size gravel is black (5YR 2.5/1) flat on two sides, angular, hard (could be coal).	NA	NA	T 275 cpm B 300 cpm
2 4		100-5"	8	Same as above Brown (10YR 5/3) damp, one large gravel, light color light gray (10YR 7/1) subrounded.	NA	NA	375 cpm OVA = 1/2 ppm
4 6		39/19/ 24/88	0	Chunk of concrete in end of sample split spoon.	NA	NA	———
6 8		16/15/ 17/15	17	3" same as above, damp 14" (10 YR 3/1), black, SILT, some (+) very fine sand, soft, damp, trace yellow (5 Y 8/8) same material size	NA	NA	OVA = ND
8 10		3/3/ 3/3	19 1/2	Same black material as above, no yellow material, moist to wet on top saturated on bottom 9"	NA	NA	No Readings
10 12		Weight of Hammer	24	Same as above, black only, firm saturated, small area (1/2" diameter) of light yellowish brown (10 YR 6/4) at top 1", same material	NA	NA	No Readings OVA = ND
12 14		1/3/ 5/9	24	Same as above, saturated, specks of white (2.5 Y 8/0) throughout specks (1/16" - 1/4" diameter) 5 specks/ft.	NA	NA	OVA = ND

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A. Samples FMP-PS-04-038, 039, & 040 are composites of the entire boring.

T - Top of sample — cpm - counts per minute read with HP-210T

B - Bottom of sample — OVA - background = 1-2 ppm

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 04-03 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481748.16,1378813.00	DATE OF COMPLETION: 4/22/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHE	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16		15/16/ 15/25	15	Same as above, increase in white (2.5 Y 8/0) specks, 10 specks/ft. white also occurs as blotches and stains at 3-5" and 13"-15". Also at 2" layer 1/8" thick reddish yellow (7.5 YR 6/8) staining, saturated	NA	NA	T 2700 cpm OVA = ND B 500 cpm
16 18		11/32/ 30/21	1 1/2	Same as above with white specks, no reddish yellow, yellow, trace of gravel, saturated firm, soft (easily to crumble in hand)	NA	NA	T 500 cpm OVA = ND B 800
18 20		6/4/ 4/5	15	Same as above	NA	NA	No Readings OVA = ND
				Total Depth = 20 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A. Samples FMP-PS-04-038, 039, & 040 are composites of the entire boring.

T - Top of sample

B - Bottom of sample cpm - counts per minute read with HP-210T

FERNALD/WEL0403a.DRW/9/8-9-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 04-04 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481696.72,1378864.63	DATE OF COMPLETION: 5/5/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-04-064	12/13/18/25	9 1/2	10 YR 3/3 dark brown, CLAY little coarse to fine gravel, damp to dry, gravel round to angular	NA	NA	300 cpm OVA = 1 ppm
2 4	FMP-PS-04-065	55/12/10/14	12	10 YR 3/3 dark brown, CLAY, little coarse to fine gravel, damp to dry, gravel round to angular, turning to dark olive gray (5Y 3/2) at bottom 5 inches with black soft clay at bottom 5 inches mixed with olive clay. Cloth or strapping in black material and higher moisture in black material, moist, shiney flakes in black materials	NA	NA	T 12000 cpm OVA = 1 ppm B 4000 cpm
4 6	NA	27/16/9/9	0	No Recovery	NA	NA	OVA = 1 ppm
6 8	FMP-PS-04-066 FMP-PS-04-067	5/3/3/3	14	2.5 Y 3/0 very dark gray medium to fine Sand, and Silt wet, yellow (oxidized ?) areas, pieces of paper, soft	NA	NA	150000 cpm
8 10	FMP-PS-04-068 FMP-PS-04-069	4/2/2/2	19	2.5 Y 3/0 very dark gray medium to fine Sand, and Silt wet, yellow oxidized, areas, pieces of paper, soft with yellow material (oxidation?) and 2.5 YR 3/4 dark reddish brown, trace(-) fine gravel plastic clear, wood, fibers trace	NA	NA	120000 cpm OVA = 3 ppm
10 12	NA	4/7/4/1	1	Liquid only ran out as sample was pulled up	NA	NA	No readings
12 14	FMP-PS-04-070 FMP-PS-04-071	12/12/3/10	16	Same as 8'-10' more firm to wet Pink 5 YR 8/3 fine sand and silt size material at 4 inches (in pocket 2 inch diameter area) small pieces of metal, mixed in trace amounts, paper piece of clear plastic	NA	NA	99000 cpm OVA = 2 ppm

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-04-061,062, & 063, are composite samples of entire boring.

T - Top of sample cpm - counts per minute read with HP-210T

B - Bottom of sample OVA - background = 1-2 ppm

FERNALD/WELL04.DRW/I/8-7-93

5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 04-04 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481696.72,1378864.63	DATE OF COMPLETION: 5/5/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	FMP-PS-04-072	12/10/6/6	4	Same as above - color change increase in weak red (10 R 4/4) still predominately very dark gray with tent of weak red mixed throughout, brown cloth material present, heavy like strapping material	NA	NA	55000 cpm OVA = 2 ppm
16 18	NA	5/5/3/4	0	Liquid material only	NA	NA	OVA = 2 ppm
18 20	FMP-PS-04-073	2/2/3/3	2	Same as 14'-16' material saturated mostly liquid.	NA	NA	OVA = 2 ppm
				Total Depth = 20 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook #42A.

Samples FMP-PS-04-061, 062, & 063, are composite samples of entire boring

T - Top of sample cpm - counts per minute read with HP-210T

B - Bottom of sample OVA - background = 1-2 ppm

FERNALD/WELL04a.DRW/I/8-7-83

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1773	COORDINATES: NORTH 481,696.36 EAST 1,378,864.51	DATE: 09/05/91
GROUND ELEVATION: 588.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/05/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 09/05/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 4

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63725	09/05/91	0918	7	6	VERY DENSE (2.5Y N5/) GRAY CLAY WITH SMALL PEBBLES MIXED THROUGHOUT. SLIGHTLY MOIST, LITTLE COHESION.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =0 cpm
1.0	63726	09/05/91	0918	14	6	VERY DENSE (2.5Y N5/) GRAY CLAY WITH SMALL PEBBLES MIXED THROUGHOUT. SLIGHTLY MOIST, LITTLE COHESION.	CL	NA NA	Hnu=50 ppm α =0 cpm BΓ =800 cpm
1.5	63727	09/05/91	0918	20	0	NO RECOVERY.			
2.0	63728	09/05/91	0918	20	0	NO RECOVERY.			
2.5	63729	09/05/91	0924	23	6	VERY DENSE (2.5Y N5/) GRAY CLAY WITH SMALL PEBBLES MIXED THROUGHOUT. SLIGHTLY MOIST, LITTLE COHESION, BUT LARGER GRAVEL PIECES BEGIN TO APPEAR. POCKETS OF GRANULAR (10YR 5/6) YELLOWISH BROWN SANDY MATERIAL APPEAR.			Hnu=0 ppm α =0 cpm BΓ =2000 cpm
3.0	63730	09/05/91	0924	23	6	VERY DENSE (2.5Y N5/) GRAY CLAY WITH SMALL PEBBLES MIXED THROUGHOUT. SLIGHTLY MOIST, LITTLE COHESION, BUT LARGER GRAVEL PIECES BEGIN TO APPEAR. POCKETS OF GRANULAR (10YR 5/6) YELLOWISH BROWN SANDY MATERIAL APPEAR.			Hnu=0 ppm α =0 cpm BΓ =2000 cpm
3.5	63731	09/05/91	0924	26	6	VERY DENSE (2.5Y N5/) GRAY CLAY WITH SMALL PEBBLES MIXED THROUGHOUT. SLIGHTLY MOIST, LITTLE COHESION, BUT LARGER GRAVEL PIECES BEGIN TO APPEAR. POCKETS OF GRANULAR (10YR 5/6) YELLOWISH BROWN SANDY MATERIAL APPEAR.			Hnu=0 ppm α =0 cpm BΓ =2000 cpm
4.0	63732	09/05/91	0924	29	6	VERY DENSE (2.5Y N5/) GRAY CLAY WITH SMALL PEBBLES MIXED THROUGHOUT.			Hnu=0 ppm α =0 cpm BΓ =2000 cpm
4.5	63733	09/05/91	0941	10	6	DENSE (10YR 4/1) DARK GRAY CLAY WITH LARGE PIECES OF CONCRETE INTERMIXED (2-5 CM). DRY, WITH SOME SMALL PIECES OF NATURAL GRAVEL.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =6000 cpm
5.0	63734	09/05/91	0941	17	6	DENSE (10YR 4/1) DARK GRAY CLAY WITH LARGE PIECES OF CONCRETE INTERMIXED (2-5 CM). DRY, WITH SOME SMALL PIECES OF NATURAL GRAVEL.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =4000 cpm
5.5	63735	09/05/91	0941	26	6	DENSE (10YR 4/1) DARK GRAY CLAY WITH LARGE PIECES OF CONCRETE INTERMIXED (2-5 CM). DRY, WITH SOME SMALL PIECES OF NATURAL GRAVEL. *NOTE: SPOON ONLY DRIVEN 1.5 FT.	CL	NA	Hnu=0 ppm α =0 cpm BΓ =2000 cpm
6.0	63736	09/05/91	1008	30	6	VERY DENSE (10YR 4/1) DARK GRAY CLAY MIXED WITH LARGE (2-7 CM) CONCRETE PIECES AND SANDY MATERIAL (10YR 6/4) LIGHT YELLOWISH BROWN, DRY.	CL	NA	Hnu=0 ppm α =0 cpm BΓ =2000 cpm
6.5	63737	09/05/91	1008	60	6	VERY DENSE (10YR 4/1) DARK GRAY CLAY MIXED WITH LARGE (2-7 CM) CONCRETE PIECES AND SANDY MATERIAL (10YR 6/4) LIGHT YELLOWISH BROWN, DRY.	CL	NA	Hnu=0 ppm α =0 cpm BΓ =2000 cpm
7.0	63738	09/05/91	1008	36	0	NO RECOVERY.			
7.5	63739	09/05/91	1008	24	0	NO RECOVERY.			

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1773	COORDINATES: NORTH 481,696.36 EAST 1,378,864.51	DATE: 09/05/91
GROUND ELEVATION: 588.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/05/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 09/05/9
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
8.0	63740 09/05/91 1018			0	NO RECOVERY.			
8.5	63741 09/05/91 1051		52	6	DENSE (10YR 5/2) GRAYISH BROWN SILTY CLAY WITH CONCRETE PIECES INTERMIXED, DRY.	CL	NA	Hnu=30 ppm α =0 cpm βΓ =200 cpm
9.0	63742 09/05/91 1051		26	6	DENSE (10YR 5/2) GRAYISH BROWN SILTY CLAY WITH CONCRETE PIECES INTERMIXED, DRY.	CL	NA	Hnu=40 ppm α =0 cpm βΓ =200 cpm
9.5	63743 09/05/91 1106		8	0	NO RECOVERY.			
10.0	63744 09/05/91 1106		8	0	NO RECOVERY.			
10.5	63745 09/05/91 1106		5	0	NO RECOVERY.			
11.0	63746 09/05/91 1106		5	0	NO RECOVERY.			
13.0	63747 09/05/91 1427			24	SHELBY TUBE PUSHED 24" RECOVERY.			
13.5	63748 09/05/91 1436		36	6	DENSE (2.5Y N2/) BLACK, CLAYEY, SLUDGY MATERIAL WITH FLECKS OF PURPLE, YELLOW AND GREEN MATERIAL INTERSPERSED THROUGHOUT. VERY WET CONSISTENCY OF USED MOTOR OIL; FLOWS LIKE MUD. SOME LARGE CHUNKS OF MATERIAL.	CL	NA NA NA	Hnu=0 ppm α =0 cpm βΓ =120000 cpm
14.0	63749 09/05/91 1436		32	6	DENSE (2.5Y N2/) BLACK, CLAYEY, SLUDGY MATERIAL WITH FLECKS OF PURPLE, YELLOW AND GREEN MATERIAL INTERSPERSED THROUGHOUT. VERY WET CONSISTENCY OF USED MOTOR OIL, FLOWS LIKE MUD. SOME LARGE CHUNKS OF MATERIAL.	CL	NA NA NA	Hnu=0 ppm α =0 cpm βΓ =120000 cpm
14.5	63750 09/05/91 1436		12	6	DENSE (2.5Y N2/) BLACK, CLAYEY, SLUDGY MATERIAL WITH FLECKS OF PURPLE, YELLOW AND GREEN MATERIAL INTERSPERSED THROUGHOUT. VERY WET CONSISTENCY OF USED MOTOR OIL, FLOWS LIKE MUD. SOME LARGE CHUNKS OF MATERIAL.	CL	NA NA NA	Hnu=0 ppm α =0 cpm βΓ =120000 cpm
15.0	63751 09/05/91 1436		4	6	DENSE (2.5Y N2/) BLACK, CLAYEY, SLUDGY MATERIAL WITH FLECKS OF PURPLE, YELLOW AND GREEN MATERIAL INTERSPERSED THROUGHOUT. VERY WET CONSISTENCY OF USED MOTOR OIL, FLOWS LIKE MUD. SOME LARGE CHUNKS OF MATERIAL.	CL	NA NA NA	Hnu=0 ppm α =0 cpm βΓ =120000 cpm
15.5	63752 09/05/91 1452		6	6	MEDIUM DENSE (10YR 2/2) VERY DARK BROWN CLAYEY SLUDGE - CONTAINS STRINGY MATERIAL (MOP HEAD?) VERY WET - FLOWS.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =100000 cpm
16.0	63753 09/05/91 1452		4	6	MEDIUM DENSE (10YR 2/2) VERY DARK BROWN CLAYEY SLUDGE - CONTAINS STRINGY MATERIAL, VERY WET - FLOWS. CONTAINS BROWN PAPER TRASH.	CL	NA NA	Hnu=0 ppm α =0 cpm βΓ =100000 cpm
16.5	63754 09/05/91 1452		4	6	MEDIUM DENSE (10YR 2/2) VERY DARK BROWN CLAYEY SLUDGE - CONTAINS STRINGY MATERIAL (MOP HEAD?). VERY WET - FLOWS. CONTAINS BROWN PAPER TRASH INTERVEINED WITH GREEN AND WHITE GRANULAR MATERIAL.	CL	NA NA	Hnu=0 ppm α =0 cpm βΓ =100000 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1773	COORDINATES: NORTH 481,696.36 EAST 1,378,864.51	DATE: 09/05/91
GROUND ELEVATION: 588.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/05/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 09/05/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 4

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
17.0	63755	09/05/91	1452	7	0	NO RECOVERY.			
17.5	63756	09/05/91	1500	13	6	DENSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL, INTERSPERSED WITH BROWN GRANULAR DEPOSITS, VERY WET - PLASTIC - FLOWS.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =80000 cpm
18.0	63757	09/05/91	1500	15	6	DENSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL, INTERSPERSED WITH BROWN GRANULAR DEPOSITS, VERY WET - PLASTIC - FLOWS.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =90000 cpm
18.5	63758	09/05/91	1500	18	6	DENSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL, INTERSPERSED WITH BROWN GRANULAR DEPOSITS, VERY WET - PLASTIC - FLOWS. CONTAINS LENSES OF GOOEY WHITE MATERIAL - VERY WET - TAR-LIKE CONSISTENCY.	CL	NA NA	Hnu=0 ppm α =0 cpm βΓ =100000 cpm
19.0	63759	09/05/91	1500	10	6	DENSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL, INTERSPERSED WITH BROWN GRANULAR DEPOSITS, VERY WET - PLASTIC - FLOWS. CONTAINS LENSES OF GOOEY WHITE MATERIAL - VERY WET - TAR-LIKE CONSISTENCY.	CL	NA NA	Hnu=0 ppm α =0 cpm βΓ =60000 cpm
19.5	63760	09/05/91	1512	5	6	DENSE (7.5Y N4/) DARK GRAY CLAY MATERIAL WITH LARGE GRAINS & PEBBLES INTERSPERSED, MORE GARBAGE, VERY WET, TAR-LIKE.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =80000 cpm
20.0	63761	09/05/91	1512	4	0	NO RECOVERY.			
20.5	63762	09/05/91	1512	4	0	NO RECOVERY.			
21.0	63763	09/05/91	1512	3	0	NO RECOVERY.			
21.5	63764	09/05/91	1524	4	6	LOOSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL LESS GARBAGE (I.E. PAPER) STILL CONTAINS PEBBLES. WET - FLOWING.	CL	NA NA	Hnu=0 ppm α =0 cpm βΓ =80000 cpm
22.0	63765	09/05/91	1524	4	6	LOOSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL LESS GARBAGE (I.E. PAPER) STILL CONTAINS PEBBLES. WET - FLOWING.	CL	NA NA	Hnu=0 ppm α =0 cpm βΓ =90000 cpm
22.5	63766	09/05/91	1524	4	6	LOOSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL LESS GARBAGE (I.E. PAPER) STILL CONTAINS PEBBLES. WET - FLOWING.	CL	NA NA	Hnu=0 ppm α =0 cpm βΓ =60000 cpm
23.0	63767	09/05/91	1524	4	0	NO RECOVERY.			
23.5	63768	09/05/91	1537	4	6	LOOSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL CONTAINS PEBBLES (2-3 CM) LITTLE GARBAGE, WET FLOWS, TAR-LIKE CONSISTENCY.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =80000 cpm
24.0	63769	09/05/91	1537	4	6	LOOSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL CONTAINS PEBBLES (2-3 CM) LITTLE GARBAGE, WET FLOWS, TAR-LIKE CONSISTENCY.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =50000 cpm
24.5	63770	09/05/91	1537	5	6	LOOSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL CONTAINS PEBBLES (2-3 CM) LITTLE GARBAGE, WET FLOWS, TAR-LIKE CONSISTENCY.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =70000 cpm
25.0	63771	09/05/91	1537	4	6	LOOSE (7.5Y N4/) DARK GRAY CLAY-LIKE MATERIAL CONTAINS PEBBLES (2-3 CM) LITTLE GARBAGE, WET FLOWS, TAR-LIKE CONSISTENCY.	CL	NA	Hnu=0 pp α =0 c βΓ =50000

NOTES:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1773	COORDINATES: NORTH 481,696.36 EAST 1,378,864.51	DATE: 09/05/91
GROUND ELEVATION: 588.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/05/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 09/05/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 4 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
27.0								
27.5	63772 09/05/91 1621		7	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL. CONTAINS AREAS OF WHITE MATERIAL (SAME CONSISTENCY) VERY WET AND PLASTIC, FLOWS - TAR-LIKE.	CL	NA NA	Hnu=0 ppm α =0 cpm βγ =12000 cpm
28.0	63773 09/05/91 1621		5	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL. CONTAINS AREAS OF WHITE MATERIAL (SAME CONSISTENCY) VERY WET AND PLASTIC, FLOWS - TAR-LIKE.	CL	NA NA	Hnu=0 ppm α =0 cpm βγ =18000 cpm
28.5	63774 09/05/91 1621		4	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY LIKE MATERIAL. CONTAINS AREAS OF WHITE MATERIAL (SAME CONSISTENCY) VERY WET AND PLASTIC, FLOWS - TAR-LIKE. INCREASED AMOUNTS OF W	CL	NA	Hnu=0 ppm α =0 cpm βγ =18000 cpm
29.0	63775 09/05/91 1621		4	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY LIKE MATERIAL. CONTAINS AREAS OF WHITE MATERIAL (SAME CONSISTENCY) VERY WET AND PLASTIC, FLOWS - TAR-LIKE. INCREASED AMOUNTS OF W	CL	NA	Hnu=0 ppm α =0 cpm βγ =12000 cpm
29.5	63776 09/05/91 1634		5	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL WITH SOME SILT. LITTLE OTHER DEBRIS. VERY WET, FLOWING.	CL	NA NA NA	Hnu=0 ppm α =0 cpm βγ =10000 cpm
30.0	63777 09/05/91 1634		7	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL WITH SOME SILT. LITTLE OTHER DEBRIS. VERY WET, FLOWING.	CL	NA NA NA	Hnu=0 α =0 βγ =5000 cpm
30.5	63778 09/05/91 1634		9	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL WITH SOME SILT. LITTLE OTHER DEBRIS. VERY WET, FLOWING.	CL	NA NA NA	Hnu=0 ppm α =0 cpm βγ =4500 cpm
31.0	63779 09/05/91 1634		17	6	DENSE, HARD (10YR 5/) GRAY CLAY WITH SOME SAND AND PEBBLES. SLIGHTLY MOIST (LINER).	CL	NA NA	Hnu=0 ppm α =0 cpm βγ =3000 cpm

BOTTOM OF BORING 30.5

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1774	COORDINATES: NORTH 481,765.34 EAST 1,378,912.61	DATE: 08/26/91
GROUND ELEVATION: 590.5	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/26/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 08/27/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63650	08/26/91 0732	12	0	NO RECOVERY.			
1.0	63651	08/26/91 0732	16	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=5.6 ppm α =0 cpm βγ =20 cpm
1.5	63652	08/26/91 0732	16	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=5.7 ppm α =0 cpm βγ =40 cpm
2.0	63653	08/26/91 0732	12	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=5.7 ppm α =0 cpm βγ =60 cpm
2.5	63654	08/26/91 0742	32	0	NO RECOVERY.			
3.0	63655	08/26/91 0742	34	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=0 ppm α =0 cpm βγ =0 cpm
3.5	63656	08/26/91 0742	35	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=0 ppm α =0 cpm βγ =0 c
4.0	63657	08/26/91 0742	38	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=0 ppm α =0 cpm βγ =100 cpm
4.5	63658	08/26/91 0755	20	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=2.0 ppm α =0 cpm βγ =900 cpm
5.0	63659	08/26/91 0755	18	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=2.0 ppm α =0 cpm βγ =1200 cpm
5.5	63660	08/26/91 0755	15	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=2.0 ppm α =0 cpm βγ =1200 cpm
6.0	63661	08/26/91 0755	13	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=2.0 ppm α =0 cpm βγ =900 cpm
6.5	63662	08/26/91 0807	11	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=0 ppm α =0 cpm βγ =200 cpm
7.0	63663	08/26/91 0807	26	6	VERY DENSE (10YR 6/2) LIGHT BROWNISH GRAY CLAY WITH SOME LARGE ANGULAR GRAVEL (CEMENT) SLIGHTLY MOIST TO DRY.	CL	NA	Hnu=0 ppm α =0 cpm βγ =900 cpm
7.5	63664	08/26/91 0807	31	6	VERY DENSE (10YR 6/8) BROWNISH-YELLOW, SANDY, CLAY-LIKE MATERIAL, DRY.	CL	NA	Hnu=0 ppm α =0 cpm βγ =2000 cpm
8.0	63665	08/26/91 0807	56	6	VERY DENSE (5Y 3/1) VERY DARK GRAY, SLATY, SILTY MATERIAL, DRY.	CL	NA	Hnu=0 ppm α =0 cpm βγ =30000 cpm
8.5	63666	08/26/91 0842	10	6	MEDIUM DENSE (10YR 6/1) GRAY CLAY INTERSPERSED WITH POCKETS OF WHITE CLAY-LIKE MATERIAL, SLIGHTLY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βγ =200 c

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1774	COORDINATES: NORTH 481,765.34 EAST 1,378,912.61	DATE: 08/26/91
GROUND ELEVATION: 590.5	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/26/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 08/27/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 4

DEPTH	SAMPLE	DATE	TIME	BLOWS ON	SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
9.0	63667	08/26/91	0842	10		6	MEDIUM DENSE (10YR 6/1) GRAY CLAY INTERSPERSED WITH POCKETS OF WHITE CLAY-LIKE MATERIAL, SLIGHTLY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
9.5	63668	08/26/91	0842	7		6	MEDIUM DENSE (10YR 6/1) GRAY CLAY INTERSPERSED WITH POCKETS OF WHITE CLAY-LIKE MATERIAL, SLIGHTLY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
10.0	63669	08/26/91	0842	6		6	MEDIUM DENSE (10YR 6/1) GRAY CLAY INTERSPERSED WITH POCKETS OF WHITE CLAY-LIKE MATERIAL, SLIGHTLY MOIST.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =800 cpm
12.0	63670	08/26/91	0906			24	SHELBY TUBE PUSHED 24 INCHES.			
12.5	63671	08/26/91	0913	8		6	MEDIUM DENSE (2.5Y N3) VERY DARK, GRAY CLAYEY (SILTY) MATERIAL, VERY MOIST TO WET, JELLO-LIKE CONSISTENCY, (RUBBERY) WASTY APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
13.0	63672	08/26/91	0913	7		6	MEDIUM DENSE (2.5Y N3) VERY DARK, GRAY CLAYEY (SILTY) MATERIAL, VERY MOIST TO WET, JELLO-LIKE CONSISTENCY, (RUBBERY) WASTY APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
13.5	63673	08/26/91	0913	7		6	MEDIUM DENSE (2.5Y N3) VERY DARK, GRAY CLAYEY (SILTY) MATERIAL, VERY MOIST TO WET, JELLO-LIKE CONSISTENCY, (RUBBERY) WASTY APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
14.0	63674	08/26/91	0913	7		6	MEDIUM DENSE (2.5Y N3) VERY DARK, GRAY CLAYEY (SILTY) MATERIAL, VERY MOIST TO WET, JELLO-LIKE CONSISTENCY, (RUBBERY) WASTY APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
14.5	63675	08/26/91	0919	8		6	MEDIUM DENSE (2.5Y N3) VERY DARK, GRAY CLAYEY (SILTY) MATERIAL, VERY MOIST TO WET, JELLO-LIKE CONSISTENCY, (RUBBERY) WASTY APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
15.0	63676	08/26/91	0919	20		6	MEDIUM DENSE (2.5Y N3) VERY DARK, GRAY CLAYEY (SILTY) MATERIAL, VERY MOIST TO WET, JELLO-LIKE CONSISTENCY, (RUBBERY) WASTY APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =1100 cpm
15.5	63677	08/26/91	0919	13		6	MEDIUM DENSE (2.5Y N3) VERY DARK, GRAY CLAYEY (SILTY) MATERIAL, VERY MOIST TO WET, JELLO-LIKE CONSISTENCY, (RUBBERY) WASTY APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
16.0	63678	08/26/91	0919	20		6	MEDIUM DENSE (2.5Y N3) VERY DARK, GRAY CLAYEY (SILTY) MATERIAL, VERY MOIST TO WET, JELLO-LIKE CONSISTENCY, (RUBBERY) WASTY APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
16.5	63679	08/26/91	0943	12		6	SAME AS PREVIOUSLY BUT LESS MOIST, INTERSPERSED WITH POCKETS OF YELLOW, SUGARY, TEXTURED, MATERIAL.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
17.0	63680	08/26/91	0943	16		6	SAME AS PREVIOUSLY BUT LESS MOIST, INTERSPERSED WITH POCKETS OF YELLOW, SUGARY, TEXTURED, MATERIAL.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
17.5	63681	08/26/91	0943	15		6	SAME AS PREVIOUSLY BUT LESS MOIST, INTERSPERSED WITH POCKETS OF YELLOW, SUGARY, TEXTURED, MATERIAL.			Hnu=1 ppm α =0 cpm βΓ =1200 cpm
18.0	63682	08/26/91	0943	13		6	SAME AS PREVIOUSLY BUT LESS MOIST, INTERSPERSED WITH POCKETS OF YELLOW, SUGARY, TEXTURED, MATERIAL.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
18.5	63683	08/26/91	1330	8		6	MEDIUM DENSE (2.5Y N3/) CLAY-LIKE MATERIAL, INTERSPERSED WITH SMALL BROWN DEPOSITS OF GRAINY MATERIAL. WET WITH A GREASY APPEARANCE, TRASH AS PAPER PRESENT.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm

NOTES:

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1774	COORDINATES: NORTH 481,765.34 EAST 1,378,912.61	DATE: 08/26/91
GROUND ELEVATION: 590.5	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/26/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 08/27/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 4

DEPTH	SAMPLE DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
19.0	63684 08/26/91 1330	7	6	MEDIUM DENSE (2.5Y N3/) CLAY-LIKE MATERIAL, INTERSPERSED WITH SMALL BROWN DEPOSITS OF GRAINY MATERIAL. WET WITH A GREASY APPEARANCE, TRASH AS PAPER PRESENT.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
19.5	63685 08/26/91 1330	4	6	MEDIUM DENSE (2.5Y N3/) CLAY-LIKE MATERIAL, INTERSPERSED WITH SMALL BROWN DEPOSITS OF GRAINY MATERIAL. WET WITH A GREASY APPEARANCE, TRASH AS PAPER PRESENT.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
20.0	63686 08/26/91 1330	4	6	MEDIUM DENSE (2.5Y N3/) CLAY-LIKE MATERIAL, INTERSPERSED WITH SMALL BROWN DEPOSITS OF GRAINY MATERIAL. WET WITH A GREASY APPEARANCE, TRASH AS PAPER PRESENT.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
22.0	63687 08/26/91 1354		24	SHELBY TUBE PUSHED 24 INCHES.			
22.5	63688 08/26/91 1358	5	6	DENSE (2.5Y N3/) CLAY-LIKE MATERIAL CONSISTANT THROUGH OUT, UNIFORMALY MOIST, GREASY CONSISTENCY.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
23.0	63689 08/26/91 1358	4	6	DENSE (2.5Y N3/) CLAY-LIKE MATERIAL CONSISTANT THROUGH OUT, UNIFORMALY MOIST, GREASY CONSISTENCY.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
23.5	63690 08/26/91 1358	4	6	DENSE (2.5Y N3/) CLAY-LIKE MATERIAL CONSISTANT THROUGH OUT, UNIFORMALY MOIST, GREASY CONSISTENCY.			Hnu=0 ppm α =0 cpm βΓ =800 c
24.0	63691 08/26/91 1358	5	6	DENSE (2.5Y N3/) CLAY-LIKE MATERIAL CONSISTANT THROUGH OUT, UNIFORMALY MOIST, GREASY CONSISTENCY.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
24.5	63692 08/26/91 1405	3	6	MEDIUM DENSE (7.5Y N3) VERY DARK, GRAY CLAY. VERY MOIST, CONSISTANT, GREASE-LIKE.			Hnu=0 ppm α =0 cpm βΓ =200 cpm
25.0	63693 08/26/91 1405	2	6	MEDIUM DENSE (7.5Y N3) VERY DARK, GRAY CLAY. VERY MOIST, CONSISTANT, GREASE-LIKE.			Hnu=0 ppm α =0 cpm βΓ =400 cpm
25.5	63694 08/26/91 1405	5	6	MEDIUM DENSE (7.5YR N3) GRAY, CLAY-LIKE MATERIAL, SIMULAR TO ABOUVE, VERY MOIST, GREASY.			Hnu=0 ppm α =0 cpm βΓ =600 cpm
26.0	63695 08/26/91 1405	11	6	MEDIUM DENSES (7.5YR N3) VERY DARK GRAY MATERIAL AS DESCRIBED BEFORE.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
26.5	63696 08/26/91 1424	7	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY MATERIAL WITH POCKETS OF WHITE AND LIGHT BROWN CLAY MATERIAL, VERY MOIST AND GREASY.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
27.0	63697 08/26/91 1424	5	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY MATERIAL WITH POCKETS OF WHITE AND LIGHT BROWN CLAY MATERIAL, VERY MOIST AND GREASY, BUT LACKING THE WHITE AND BROWN MATERIAL, SUGARY TEXTURE IN PL			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
27.5	63698 08/26/91 1424	7	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY MATERIAL WITH POCKETS OF WHITE AND LIGHT BROWN CLAY MATERIAL, VERY MOIST AND GREASY, BUT LACKING THE WHITE AND BROWN MATERIAL, SUGARY TEXTURE IN PL			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
28.0	63699 08/26/91 1424	8	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY MATERIAL WITH POCKETS OF WHITE AND LIGHT BROWN CLAY MATERIAL, VERY MOIST AND GREASY, BUT LACKING THE WHITE AND BROWN MATERIAL, SUGARY TEXTURE IN PL			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
28.5	63700 08/26/91 1432	5	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY CLAYEY MATERIAL WITH TRASH (PAPER) THROUGHOUT, WET, PUDDING LIKE APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =200 cpm

NOTES:

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1774	COORDINATES: NORTH 481,765.34 EAST 1,378,912.61	DATE: 08/26/91
GROUND ELEVATION: 590.5	GWL: Depth N/A Date/Time N/A	DATE STARTED: 08/26/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 08/27/9
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 4 OF 4

DEPTH	SAMPLE DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
29.0	63701 08/26/91 1432	8	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY CLAYEY MATERIAL WITH TRASH (PAPER) THROUGHOUT, WET, PUDDING LIKE APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =600 cpm
29.5	63702 08/26/91 1432	9	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY CLAYEY MATERIAL WITH TRASH (PAPER) THROUGHOUT, WET, PUDDING LIKE APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
30.0	63703 08/26/91 1432	11	6	MEDIUM DENSE (2.5Y N3/) VERY DARK GRAY CLAYEY MATERIAL WITH TRASH (PAPER) THROUGHOUT, WET, PUDDING LIKE APPEARANCE.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
30.5	63704 08/27/91 0825	5	6	VERY DENSE (2.5Y N2/) BLACK CLAY-LIKE MATERIAL. VERY WET. FLOWING CONSISTENCY OF OLD MOTOR OIL.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
31.0	63705 08/27/91 0825	7	6	VERY DENSE (2.5Y N2/) BLACK CLAY-LIKE MATERIAL. VERY WET. FLOWING CONSISTENCY OF OLD MOTOR OIL.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
31.5	63706 08/27/91 0825	26	6	VERY DENSE (10YR 6/1) GRAY CLAY WITH SILT AND SAND MATERIAL MIXED IN. SLIGHTLY MOIST, VERY HARD.	CL	NA	Hnu=0 ppm α =0 cpm βΓ =600 cpm

BOTTOM OF BORING 31.0

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

5129

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1775	COORDINATES: NORTH 481,688.37 EAST 1,378,835.02	DATE: 09/09/91
GROUND ELEVATION: 588.4	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/09/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 09/09/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63800	09/09/91 0847	10	6	VERY DENSE (2.5Y 5/2) GRAYISH BROWN CLAY WITH INTERMIXED PEBBLES, SOME SILT AND SAND PRESENT. DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =100 cpm
1.0	63801	09/09/91 0847	17	6	VERY DENSE (2.5Y 5/2) GRAYISH BROWN CLAY WITH INTERMIXED PEBBLES, SOME SILT AND SAND PRESENT. DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =120 cpm
1.5	63802	09/09/91 0847	26	6	VERY DENSE (2.5Y 5/2) GRAYISH BROWN CLAY WITH INTERMIXED PEBBLES, SOME SILT AND SAND PRESENT. DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =160 cpm
2.0	63803	09/09/91 0847	33	0	NO RECOVERY.			
2.5	63804	09/09/91 0854	48	6	VERY DENSE, VERY HARD (2.5Y N5/) GRAY CLAY INTERMIXED WITH VARIOUS PEBBLES. LITTLE OR NO SAND OR SILT, DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =100 cpm
3.0	63805	09/09/91 0854	45	6	VERY DENSE, VERY HARD (2.5Y N5/) GRAY CLAY INTERMIXED WITH VARIOUS PEBBLES. LITTLE OR NO SAND OR SILT, DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =120 cpm
3.5	63806	09/09/91 0854	26	6	VERY DENSE, VERY HARD (2.5Y N5/) GRAY CLAY INTERMIXED WITH VARIOUS PEBBLES. LITTLE OR NO SAND OR SILT, DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =120 c
4.0	63807	09/09/91 0854	23	6	VERY DENSE, VERY HARD (2.5Y N5/) GRAY CLAY, MOE SAND AND SILT INTERMIXED WITH CLAY, GIVING A (2.5Y 5/2) GRAYISH BROWN COLOR.	SC	NA	Hnu=0 ppm α =0 cpm BΓ =140 cpm
4.5	63808	09/09/91 0905	15	6	DENSE, VERY HARD (2.5Y 5/2) GRAYISH BROWN CLAY WITH WHITE CONCRETE INTERSPERSED. DRY, NOT VERY COHESIVE.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =120 cpm
5.0	63809	09/09/91 0905	18	6	DENSE, VERY HARD (2.5Y 5/2) GRAYISH BROWN CLAY WITH WHITE CONCRETE INTERSPERSED. DRY, NOT VERY COHESIVE.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =120 cpm
5.5	63810	09/09/91 0905	22	6	DENSE, VERY HARD (2.5Y 5/2) GRAYISH BROWN CLAY WITH WHITE CONCRETE INTERSPERSED. DRY, NOT VERY COHESIVE, BUT SOME SANDY MATERIAL APPEARS.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =1000 cpm
6.0	63811	09/09/91 0905	17	6	DENSE, VERY HARD (2.5Y 5/2) GRAYISH BROWN CLAY WITH WHITE CONCRETE INTERSPERSED, DRY, NOT VERY COHESIVE, BUT SOME SANDY MATERIAL APPEARS, BUT BEGINNING TO SEE BLACK (2.5Y N2/) CLAY			Hnu=0 ppm α =0 cpm BΓ =600 cpm
6.5	63812	09/09/91 0926	8	6	MEDIUM DENSE, FIRM (2.5Y 5/2) GRAYISH BROWN CLAY. CONTAINS SOME SILT & SAND, FEW PEBBLES, DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =260 cpm
7.0	63813	09/09/91 0926	8	6	MEDIUM DENSE, FIRM (2.5Y 5/2) GRAYISH BROWN CLAY. CONTAINS SOME SILT & SAND, FEW PEBBLES, DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =260 cpm
7.5	63814	09/09/91 0926	8	6	MEDIUM DENSE, FIRM (2.5Y 5/2) GRAYISH BROWN CLAY. CONTAINS SOME SILT & SAND, FEW PEBBLES, DRY.	CL	NA NA	Hnu=0 ppm α =0 cpm BΓ =260 cpm
8.0	63815	09/09/91 0926	8	6	MEDIUM DENSE, FIRM (2.5Y 5/2) GRAYISH BROWN CLAY. CONTAINS SOME SILT & SAND, FEW PEBBLES, DRY, BUT CONTAINS SOME GARBAGE MOSTLY BLACK (2.5Y N2/) CHUNKS (WOOD).			Hnu=0 ppm α =0 cpm BΓ =260 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1775	COORDINATES: NORTH 481,688.37 EAST 1,378,835.02	DATE: 09/09/91
GROUND ELEVATION: 588.4	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/09/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 09/09/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 4

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
10.5	63816	09/09/91	1012	50	6	DRILLED THROUGH CONCRETE, NO SAMPLES TAKEN OF DEBRIS.			Hnu=0 ppm α =0 cpm βΓ =140 cpm
11.0	63817	09/09/91	1015	7	6	VERY DENSE, HARD (2.5Y 5/3) LIGHT OLIVE BROWN CLAY WITH PEBBLES AND CONCRETE DEBRIS, DRY.			Hnu=0 ppm α =0 cpm βΓ =3000 cpm
11.5	63818	09/09/91	1015	13	6	DENSE, HARD (2.5Y N3/) VERY DARK GRAY CLAY MIXED WITH WHITE GRANULAR SANDY MATERIAL, SOME PEBBLES, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =38000 cpm
12.0	63819	09/09/91	1015	28	6	DENSE, HARD (2.5Y N3/) VERY DARK GRAY CLAY MIXED WITH WHITE GRANULAR SANDY MATERIAL, SOME PEBBLES, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =10000 cpm
12.5	63820	09/09/91	1015	38	0	NO RECOVERY.			
13.0	63821	09/09/91	1022	25	6	VERY DENSE, HARD (2.5Y 5/3) VERY DARK CLAY-LIKE MATERIAL. LOWER 1/3 CONTAINS GREEN GRANULAR SAND-LIKE MATERIAL. DRY, COHESIONLESS.			Hnu=0 ppm α =0 cpm βΓ =150000 cpm
13.5	63822	09/09/91	1022	37	0	NO RECOVERY.			
14.0	63823	09/09/91	1022	63	0	NO RECOVERY.			
14.5	63824	09/09/91	1022	50	0	NO RECOVERY.			
15.0	63825	09/09/91	1025		0	NO RECOVERY.			
17.0	63826	09/09/91	1046		24	SHELBY TUBE PUSHED, FULL RECOVERY.			
17.5	63827	09/09/91	1055	1	6	LOOSE, VERY SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL, WITH STREAKS OF YELLOW-GREEN, GRAINY MATERIAL THROUGH IT. WET, FLOWING JELLO-LIKE.			Hnu=0 ppm α =0 cpm βΓ =30000 cpm
18.0	63828	09/09/91	1055	1	6	LOOSE, VERY SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL, WITH STREAKS OF YELLOW-GREEN, GRAINY MATERIAL THROUGH IT. WET, FLOWING JELLO-LIKE.			Hnu=0 ppm α =0 cpm βΓ =30000 cpm
18.5	63829	09/09/91	1055	3	6	LOOSE, VERY SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL, YELLOW-GREEN MATERIAL THROUGH IT. WET, FLOWING JELLO-LIKE.			Hnu=0 ppm α =0 cpm βΓ =26000 cpm
19.0	63830	09/09/91	1055	3	6	LOOSE, VERY SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL, YELLOW-GREEN MATERIAL THROUGH IT. WET, FLOWING JELLO-LIKE.			Hnu=0 ppm α =0 cpm βΓ =10000 cpm
19.5	63831	09/09/91	1358	3	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL, TAR-LIKE APPEARANCE AND CONSISTENCY. VERY WET - FLOWING.			Hnu=0 ppm α =0 cpm βΓ =18000 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1775	COORDINATES: NORTH 481,688.37 EAST 1,378,835.02	DATE: 09/09/91
GROUND ELEVATION: 588.4	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/09/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 09/09/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
20.0	63832 09/09/91 1358		6	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL, TAR-LIKE APPEARANCE AND CONSISTENCY. NOT AS WET WITH FLECKS OF BROWN GRANULAR MATERIAL.			Hnu=0 ppm α =0 cpm βγ =10000 cpm
20.5	63833 09/09/91 1358		6	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL, TAR-LIKE APPEARANCE AND CONSISTENCY. NOT AS WET WITH FLECKS OF BROWN GRANULAR MATERIAL.			Hnu=0 ppm α =0 cpm βγ =4000 cpm
21.0	63834 09/09/91 1358		7	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL, TAR-LIKE APPEARANCE AND CONSISTENCY. NOT AS WET WITH FLECKS OF BROWN GRANULAR MATERIAL.			Hnu=0 ppm α =0 cpm βγ =2000 cpm
21.5	63835 09/09/91 1405		10	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL. VERY WET, FLOWS NO NOTICABLE PEBBLES, PUDDING-LIKE TEXTURE.			
22.0	63836 09/09/91 1405		5	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL. VERY WET, FLOWS NO NOTICABLE PEBBLES, PUDDING-LIKE TEXTURE. BUT LENSES OF GREEN MATERIAL APPEAR.			
22.5	63837 09/09/91 1405		7	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL. VERY WET, FLOWS NO NOTICABLE PEBBLES, PUDDING-LIKE TEXTURE. BUT LENSES OF GREEN MATERIAL APPEAR.			
23.0	63838 09/09/91 1405		6	6	MEDIUM DENSE, SOFT (2.5Y N3/) VERY DARK GRAY CLAY-LIKE MATERIAL. VERY WET, FLOWS NO NOTICABLE PEBBLES, PUDDING-LIKE TEXTURE. BUT LENSES OF GREEN MATERIAL APPEAR.			Hnu=0 pp α =0 cp βγ =2000 cp
26.0	63839 09/09/91 1435			0	SHELBY TUBE PUSHED (NO RECOVERY).			
8.0								
10.0	63840 09/09/91 1007				DRILLED THROUGH CONCRETE, NO SAMPLES TAKEN OF DEBRIS.			
26.0								
27.0	63841 09/09/91 1449		8	0	NO RECOVERY.			
27.5	63842 09/09/91 1449		8	0	NO RECOVERY.			
28.0	63843 09/09/91 1449		9	0	NO RECOVERY.			
28.5	63844 09/09/91 1504		2	6	LOOSE, VERY SOFT (2.5Y N3/) VERY DARK GRAY CLAYEY MATERIAL. FLOWS, VERY WET, PUDDING-LIKE TEXTURE.			Hnu=0 ppm α =0 cpm βγ =1200 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1775	COORDINATES: NORTH 481,688.37 EAST 1,378,835.02	DATE: 09/09/91
GROUND ELEVATION: 588.4	GWL: Depth N/A Date/Time N/A	DATE STARTED: 09/09/91
ENGINEER/GEOLOGIST: HARRIS/ CASSEDAY	Depth N/A Date/Time N/A	DATE COMPLETED: 09/09/9
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 4 OF 4

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
29.0	63845	09/09/91	1504	2	6	LOOSE, VERY SOFT (2.5Y N3/) VERY DARK GRAY CLAYEY MATERIAL. FLOWS, VERY WET, PUDDING-LIKE TEXTURE.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
29.5	63846	09/09/91	1504	3	6	LOOSE, VERY SOFT (2.5Y N3/) VERY DARK GRAY CLAYEY MATERIAL. FLOWS, VERY WET, PUDDING-LIKE TEXTURE. CONTAINS SMALL DEPOSITS OF BROWN GRANULAR MATERIAL.			Hnu=0 ppm α =0 cpm βΓ =800 cpm
30.0	63847	09/09/91	1504	7	6	LOOSE, VERY SOFT (2.5Y N3/) VERY DARK GRAY CLAYEY MATERIAL. FLOWS, VERY WET, PUDDING-LIKE TEXTURE. CONTAINS SMALL DEPOSITS OF BROWN GRANULAR MATERIAL.			Hnu=0 ppm α =0 cpm βΓ =600 cpm

BOTTOM OF BORING 30.0

NOTES:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1773
WELL NUMBER: 1773

FIELD ENG./GEO.: M. HARRIS — DATE: 09/06/91
CHECKED BY : JRW — DATE: 10/02/91
N,E COORDINATES: 481696.36, 1378864.5
DATE OF INSTAL.: 09/06/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITORING WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: NA
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: NA
2ND PIPE SECTION: NA
3RD PIPE SECTION: NA
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER WITH PADL

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	591.56
GROUND SURFACE	0.0	588.8
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	22.0	589.0	567
Bentonite Pellets	22.0	24.0	567	565
Sand	24.0	30.5	565	559
PERFORATED SECTION	25.5	29.5	563.5	559.5
WELL TIP	30.0		558.5	
BOTTOM OF BOREHOLE	30.5		558.5	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER DURING WELL INSTALLATION.
COMMENTS:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1774
WELL NUMBER: 1774

FIELD ENG./GEO.: M. HARRIS — DATE: 08/27/91
CHECKED BY : JRW — DATE: 10/03/91
N,E COORDINATES: 481765.34, 1378912.6
DATE OF INSTAL.: 08/27/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITORING WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (N/A)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 33.0 Ft.
2ND PIPE SECTION: Not Noted
3RD PIPE SECTION: Not Noted
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER WITH PAD

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	593.03
GROUND SURFACE	0.0	590.5
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	23.0	590.8	567.8
Bentonite Pellets	23.0	25.0	567.8	565.8
Sand	25.0	31.0	565.8	559.8
PERFORATED SECTION	26.5	30.5	564.3	560.3

WELL TIP	31.0	559.8
BOTTOM OF BOREHOLE	31.0	559.8
GWL AFTER INSTALLATION	N/A	N/A

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER DURING WELL INSTALLATION.
COMMENTS:

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1775
WELL NUMBER: 1775

FIELD ENG./GEO.: M. HARRIS DATE: 09/10/91
CHECKED BY : JRW DATE: 10/03/91
N,E COORDINATES: 481688.37, 1378835.0
DATE OF INSTAL.: 09/10/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITORING WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 32.0 Ft.
2ND PIPE SECTION: NA Ft.
3RD PIPE SECTION: NA Ft.
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER WITH PADL

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	590.52
GROUND SURFACE	0.0	588.4
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	22.0	588.6	566.6
Bentonite Pellets	22.0	24.0	566.6	564.6
Sand	24.0	30.0	564.6	558.6
PERFORATED SECTION	25.5	29.5	563.1	559.1
WELL TIP	30.0		588.6	
BOTTOM OF BOREHOLE	30.0		558.6	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER DURING WELL INSTALLATION.
COMMENTS:

A.4.1.2

PIT 4
PIT MATERIAL
GEOTECHNICAL RESULTS

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN
5129

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	CL
PROJECT NO.:	484296	WATER CONTENT, %:	21.4
CUST. SAMPLE NO.:	63747	LIQUID LIMIT:	34.0
ETDC SAMPLE NO.:	ETDC-1346	PLASTICITY INDEX:	8.0
SPECIFIC GRAVITY:	2.6163 (MEASURED)	UNIT WEIGHT:	148.4 pcf

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	99.1
NO. 4	4.750	97.9
NO. 10	2.000	95.2
NO. 20	0.850	84.7
NO. 40	0.425	75.8
NO. 60	0.250	68.9
NO. 140	0.106	59.3
NO. 200	0.075	56.5

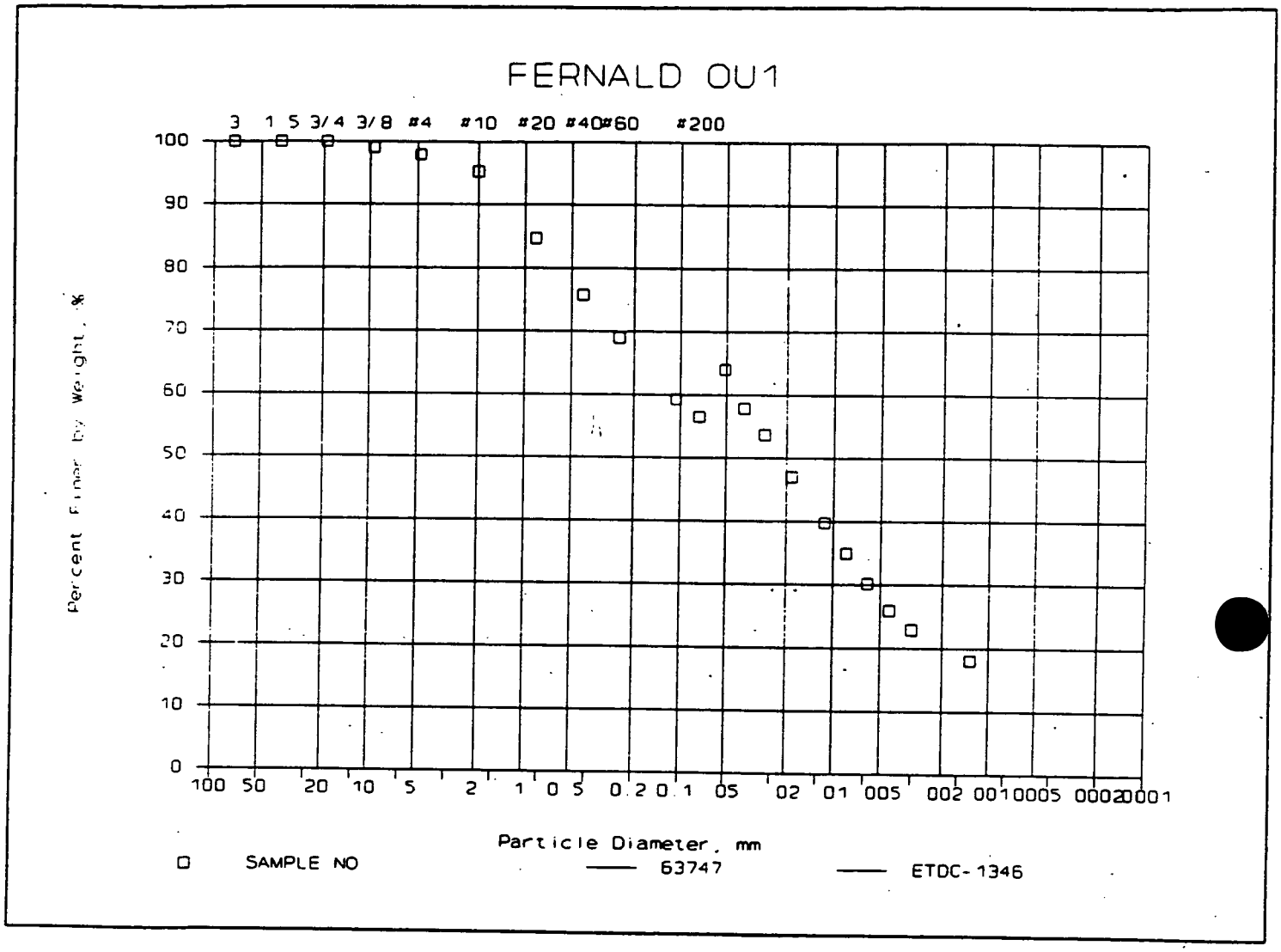
HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0511	63.9
0.0382	57.9
0.0281	53.7
0.0187	47.0
0.0114	39.8
0.0083	35.0
0.0060	30.1
0.0044	25.9
0.0032	22.9
0.0013	18.1

682-1-89

Jenny Vance
IT Corporation
February 4, 1992 -5129
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

-5129

IT-ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	CL
PROJECT NO.:	484296	WATER CONTENT, %:	15.9
CUST. SAMPLE NO.:	63670	LIQUID LIMIT:	32.0
ETDC SAMPLE NO.:	ETDC-1344	PLASTICITY INDEX:	10.0
SPECIFIC GRAVITY:	2.7897 (MEASURED)	UNIT WEIGHT:	110.7 pcf

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	99.8
NO. 4	4.750	99.2
NO. 10	2.000	97.0
NO. 20	0.850	90.8
NO. 40	0.425	86.5
NO. 60	0.250	83.2
NO. 140	0.106	78.2
NO. 200	0.075	76.6

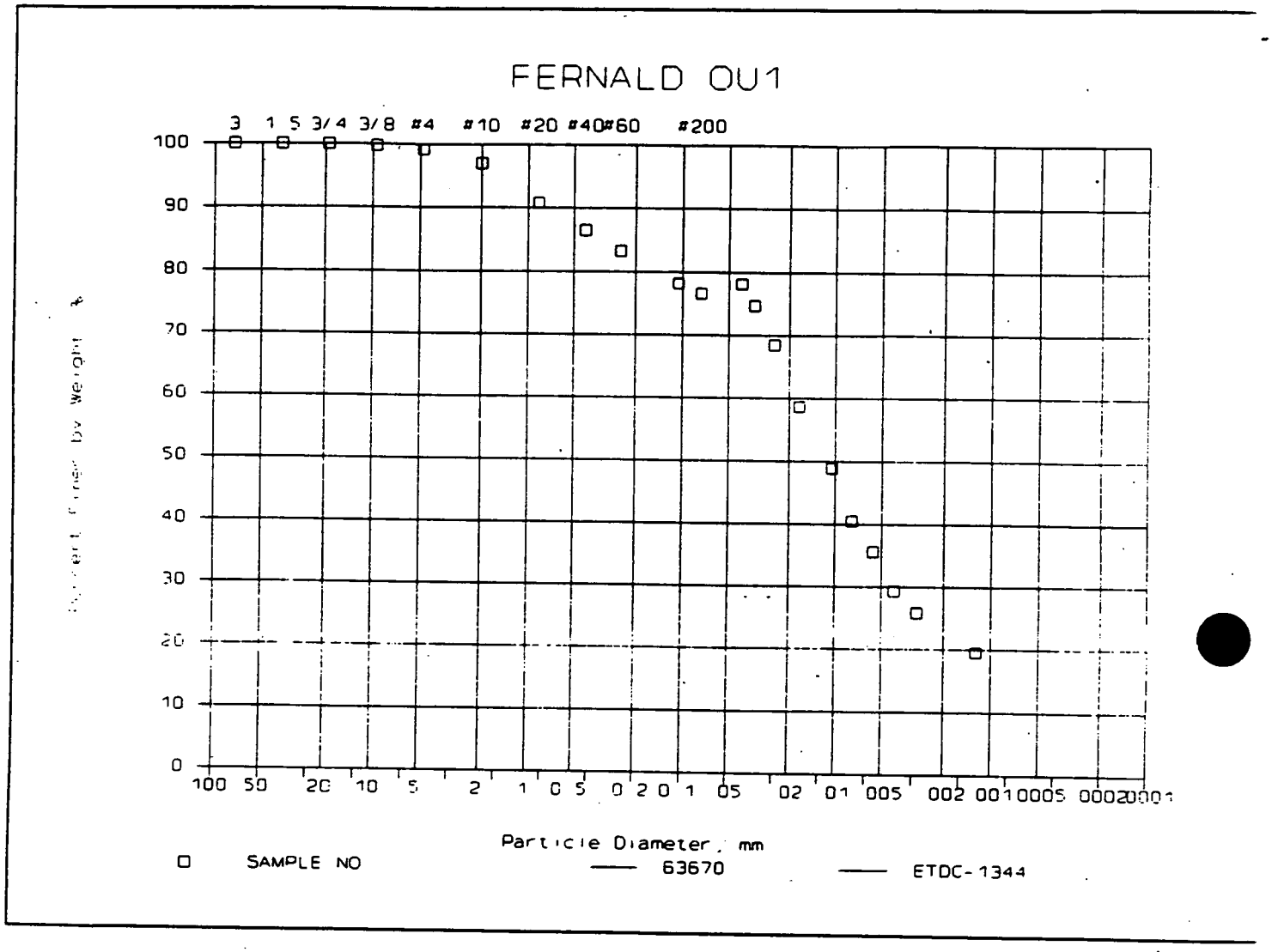
HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0413	78.2
0.0339	74.7
0.0252	68.4
0.0172	58.7
0.0105	48.9
0.0078	40.5
0.0057	35.6
0.0041	29.3
0.0030	25.8
0.0012	19.6

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



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682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

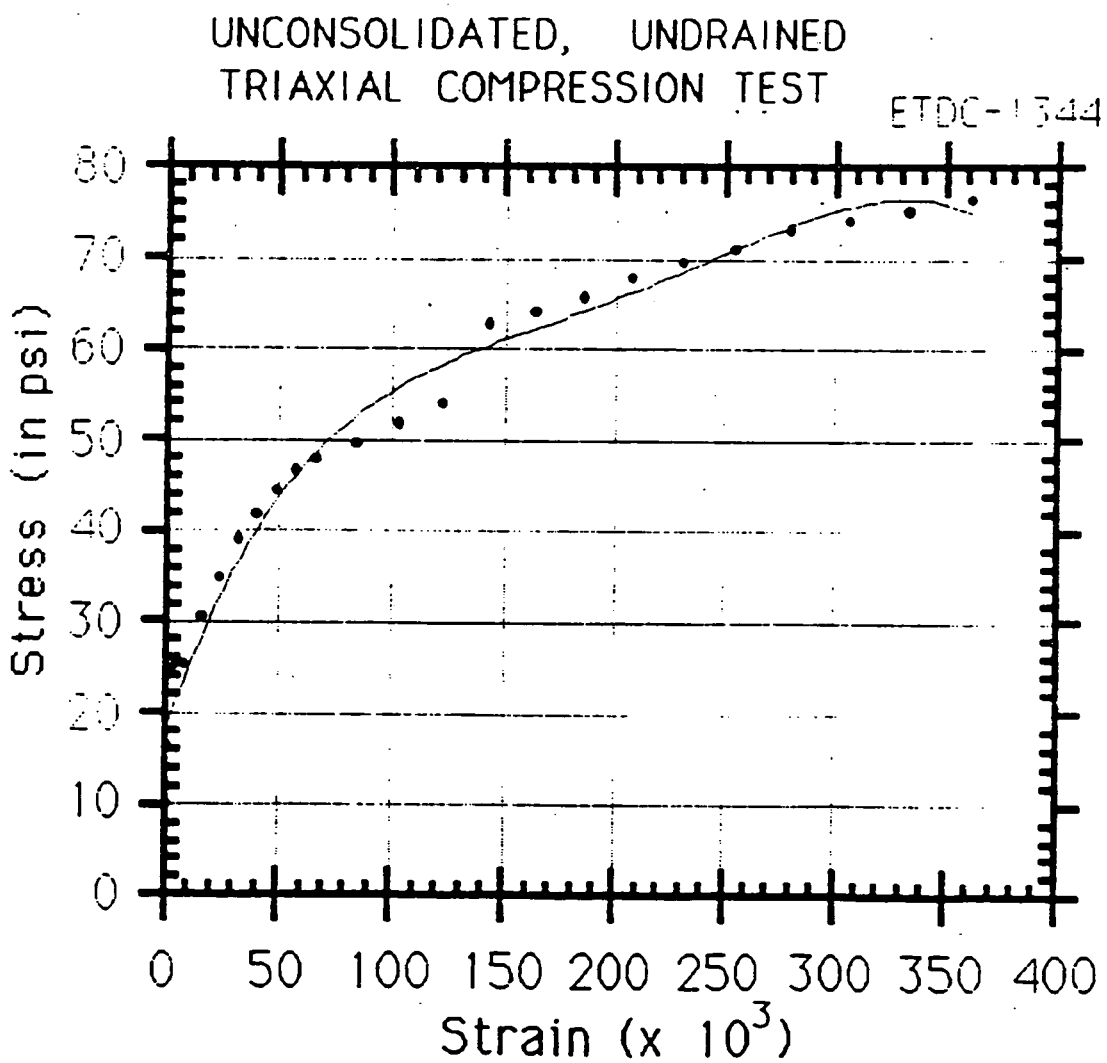
IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

5129

UNCONSOLIDATED, UNDRAINED TRIAXIAL TEST RESULTS

PROJECT NAME: FERNALD OU1
PROJECT NO.: 484296
CUST. SAMPLE NO.: 63670
ETDC SAMPLE NO.: ETDC-1344

MINOR PRINCIPAL STRESS	MAJOR PRINCIPAL STRESS	COMPRESSIVE STRENGTH	AXIAL STRAIN
90.0 PSI	155.76 PSI	65.76 PSI	15.0%



634

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	NONPLASTIC
PROJECT NO.:	484296	WATER CONTENT, %:	17.6
CUST. SAMPLE NO.:	63687	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-1345	PLASTICITY INDEX:	NONPLASTIC
SPECIFIC GRAVITY:	3.1001 (MEASURED)	UNIT WEIGHT:	137.7 pcf
		COEF. OF PERMEABILITY:	4.8e-6 cm/s

==========SIEVE ANALYSIS==========

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.7
NO. 10	2.000	98.9
NO. 20	0.850	97.7
NO. 40	0.425	96.7
NO. 60	0.250	95.8
NO. 140	0.106	93.6
NO. 200	0.075	92.1

==========HYDROMETER ANALYSIS==========

DIAMETER (mm)	PERCENT FINER (%)
0.0214	58.5
0.0152	47.7
0.0097	35.2
0.0072	28.2
0.0049	21.7
0.0039	17.9
0.0028	14.1
0.0012	9.2

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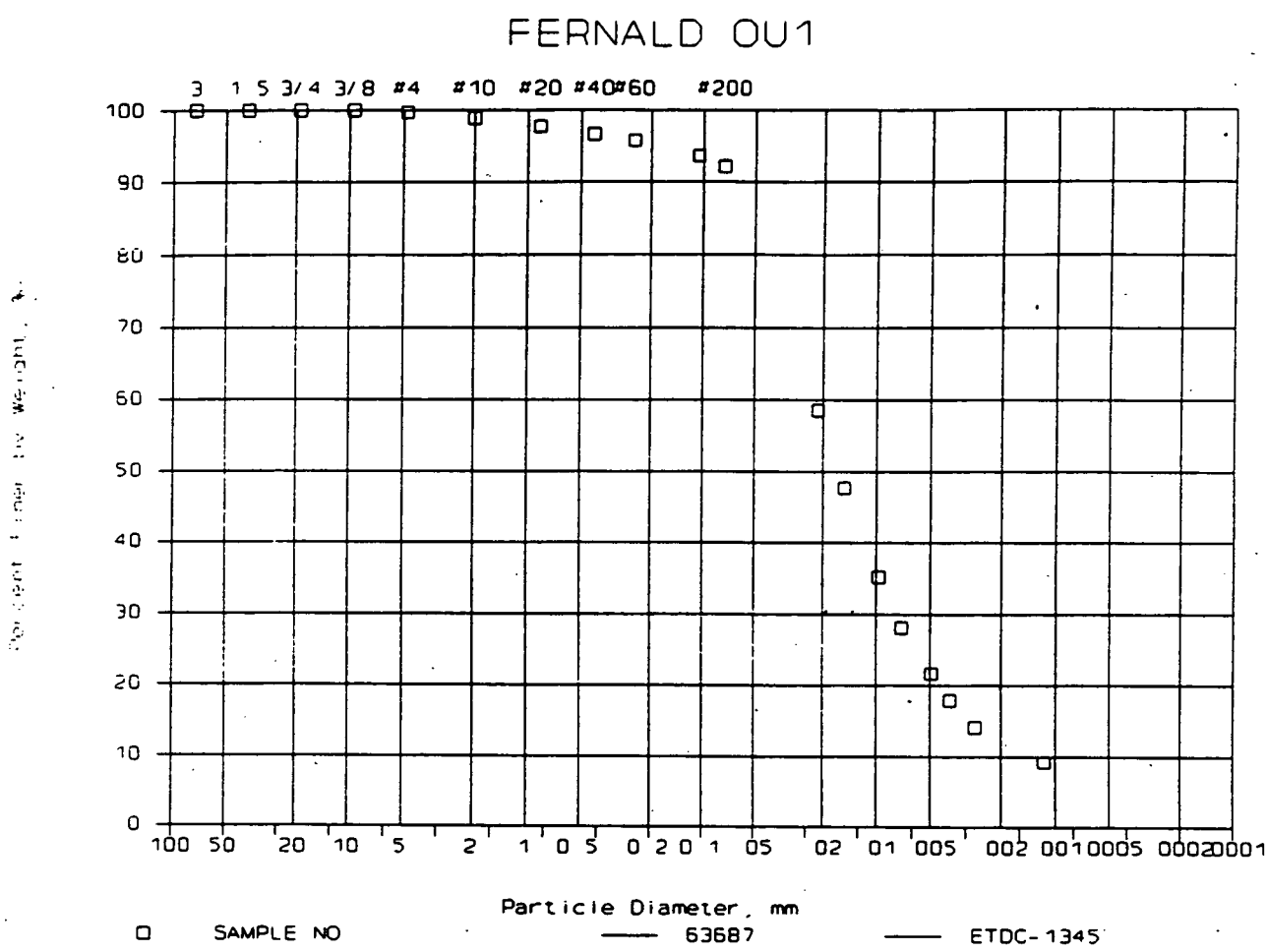
682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

-5128

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



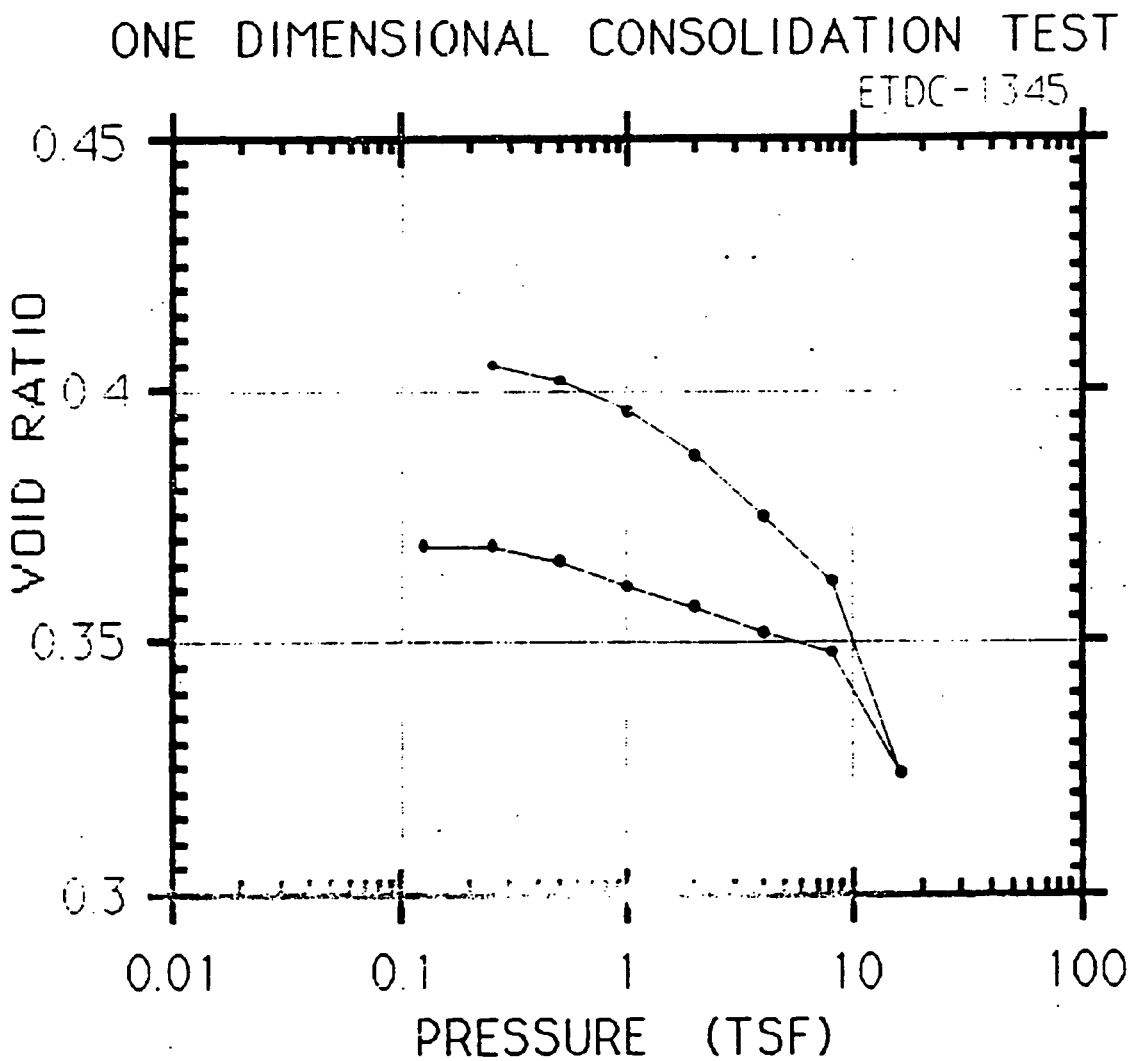
682-1-89

Jenny Vance
IT Corporation
February 4, 1992
-5129
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ONE DIMENSIONAL CONSOLIDATION TEST

PROJECT NAME: FERNALD OU1
PROJECT NO.: 484296
CUST. SAMPLE NO.: 63687
ETDC SAMPLE NO.: ETDC-1345



0637

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	CL-ML
PROJECT NO.:	484296	WATER CONTENT, %:	61.5
CUST. SAMPLE NO.:	63826	LIQUID LIMIT:	41.0
ETDC SAMPLE NO.:	ETDC-1347	PLASTICITY INDEX:	7.0
SPECIFIC GRAVITY:	3.5888 (MEASURED)	UNIT WEIGHT:	110.7 pcf

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	100.0
NO. 4	4.750	99.9
NO. 10	2.000	99.5
NO. 20	0.850	88.9
NO. 40	0.425	77.6
NO. 60	0.250	71.6
NO. 140	0.106	65.6
NO. 200	0.075	63.9

HYDROMETER ANALYSIS

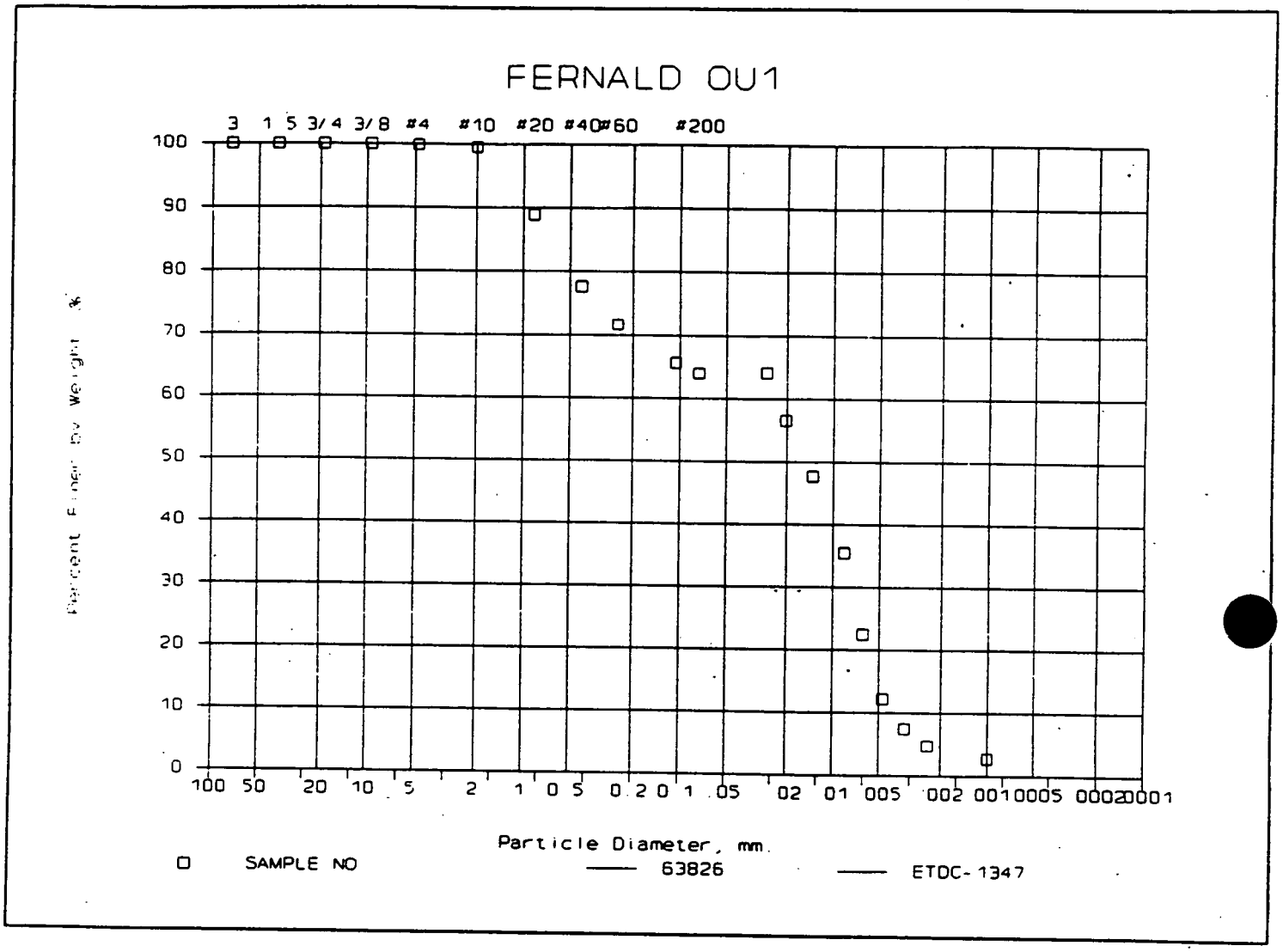
DIAMETER (mm)	PERCENT FINER (%)
0.0273	64.0
0.0204	56.6
0.0136	47.7
0.0084	35.4
0.0064	22.5
0.0047	12.3
0.0034	7.5
0.0024	4.8
0.0010	2.7

662-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



682-1-89

A.4.1.3

PIT 4
PIT MATERIAL
RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit 4
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		04-01				04-02				04-03				04-04		
Sample ID:		PS-04-003				PS-04-023				PS-04-040				PS-04-063		
Sample Date:		4/22/87				4/22/87				4/24/87				5/5/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		20.0				20.0				20.0				20.0		
CESIUM-137	<	0.2	PCI/G	U	<	0.3	PCI/G	UJ	<	0.5	PCI/G	UJ	<	0.2	PCI/G	U
NEPTUNIUM-237	<	0.1	PCI/G	UJ	<	0.3	PCI/G	U	<	0.2	PCI/G	UJ		0.4	PCI/G	-
PLUTONIUM-238	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ		0.5	PCI/G	J	<	0.4	PCI/G	J
PLUTONIUM-239/240	<	0.1	PCI/G	UJ	<	0.2	PCI/G	UJ		0.4	PCI/G	J	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	2.0	PCI/G	UJ	<	3.0	PCI/G	UJ	<	4.0	PCI/G	UJ	<	2.0	PCI/G	UJ
STRONTIUM-90	<	0.4	PCI/G	UJ	<	0.4	PCI/G	UJ	<	0.6	PCI/G	UJ	<	1.0	PCI/G	U
TECHNETIUM-99		6.8	PCI/G	-		59	PCI/G	-		31	PCI/G	-		225	PCI/G	-
THORIUM-228		22	PCI/G	-		18	PCI/G	-		24	PCI/G	J		395	PCI/G	-
THORIUM-230		566	PCI/G	-		553	PCI/G	-		369	PCI/G	J		225	PCI/G	-
THORIUM-232		17	PCI/G	-		18	PCI/G	-		21	PCI/G	J		92	PCI/G	-
URANIUM-234		366	PCI/G	-		298	PCI/G	-		149	PCI/G	-		2320	PCI/G	J
URANIUM-235		84	PCI/G	-		35	PCI/G	-		64	PCI/G	-		426	PCI/G	J
URANIUM-238		737	PCI/G	-		509	PCI/G	-		1530	PCI/G	-		15800	PCI/G	J

LQ = Laboratory Qualifier (See list at front of Appendices)
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- = Detected
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Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

5128
641

1991 RI/FS - Pit 4
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1774					1774					1774					1773			
Sample ID:		063709					063710					063711					063782			
Sample Date:		27-AUG-91					27-AUG-91					27-AUG-91					06-SEP-91			
Top Depth (ft):		10					20					0					9			
Bottom Depth (ft):		20					31.5					31.5					18			
CESIUM-137	U	.2	PCI/G	U		U	.2	PCI/G	UJ							U	2.5	PCI/G	UJD	
GROSS ALPHA		5590	PCI/G	NV			3850	PCI/G	NV								13234	PCI/G	NV	
GROSS BETA		1230	PCI/G	NV			911	PCI/G	NV								137290	PCI/G	NV	
PLUTONIUM-238																				
PLUTONIUM-239/240																				
RADIUM-226		18.8	PCI/G	-			16.9	PCI/G	J							U	4.1	PCI/G	UJD	
RADIUM-228		19.2	PCI/G	-			18.4	PCI/G	J								141	PCI/G	J	
RUTHENIUM-106	U	1.1	PCI/G	DU		U	1	PCI/G	UJ							U	22.6	PCI/G	UJD	
STRONTIUM-90		1.91	PCI/G	J			2.44	PCI/G	J								144	PCI/G		
TECHNETIUM-99	U	.9	PCI/G	UJ			2.22	PCI/G	J								9.43	PCI/G	J	
THORIUM-228																	2469	PCI/G	J	
THORIUM-230		768	PCI/G	-			1717	PCI/G	J								1815	PCI/G	J	
THORIUM-232																	838	PCI/G	J	
THORIUM-TOTAL																	7565	UG/G	J	
URANIUM-234		465	PCI/G	-																
URANIUM-235		26.6	PCI/G	-																
URANIUM-235/236		38.9	PCI/G	-			28.3	PCI/G	J											
URANIUM-238		660	PCI/G	-			441	PCI/G	J											
URANIUM-TOTAL		2148	UG/G	G			1322	UG/G	J								115500	UG/G	GJ	
CESIUM-137											U	20	PCI/L	UJ	Y					
GROSS ALPHA												7951	PCI/L	NV	Y					

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 4
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1773					1773					1775					1775			
Sample ID:		063785					063787					063850					063852			
Sample Date:		06-SEP-91					06-SEP-91					10-SEP-91					10-SEP-91			
Top Depth (ft):		18					0					10					19			
Bottom Depth (ft):		31					31					19					30			
CESIUM-137	U	1.3	PCI/G	UJD							U	1.2	PCI/G	UJD		U	.6	PCI/G	UJD	
GROSS ALPHA		251319	PCI/G	NV								45179	PCI/G	NV			5653	PCI/G	NV	
GROSS BETA		45817	PCI/G	NV								70974	PCI/G	NV			7059	PCI/G	NV	
PLUTONIUM-238																				
PLUTONIUM-239/240																				
RADIUM-226		30.2	PCI/G	J								22.6	PCI/G	J			50.1	PCI/G	J	
RADIUM-228		97.7	PCI/G	J								44.8	PCI/G	J			31.1	PCI/G	J	
RUTHENIUM-106	U	12	PCI/G	UJD							U	11.4	PCI/G	UJD		U	5.2	PCI/G	UJD	
STRONTIUM-90		116	PCI/G	-							U	.5	PCI/G	UJ			.56	PCI/G	J	
TECHNETIUM-99		4.87	PCI/G	J								4.22	PCI/G	J			3.15	PCI/G	J	
THORIUM-228		1248	PCI/G	J								56	PCI/G	-			26.8	PCI/G	-	
THORIUM-230		683	PCI/G	J								240	PCI/G	-			783	PCI/G	-	
THORIUM-232		48.7	PCI/G	J								28	PCI/G	-			23.4	PCI/G	-	
THORIUM-TOTAL		440	UG/G	J								252	UG/G	-			211	UG/G	-	
URANIUM-234		4.95	PCI/G	R								4100	PCI/G	F			3630	PCI/G	F	
URANIUM-235																				
URANIUM-235/236		1630	PCI/G	R								934	PCI/G	-			536	PCI/G	-	
URANIUM-238		38100	PCI/G	R								41900	PCI/G	-			33100	PCI/G	C	
URANIUM-TOTAL		69510	UG/G	GJ								105000	UG/G	G			17700	UG/G	GJ	
CESIUM-137						U	21	PCI/L	UJD	Y										
GROSS ALPHA							294971	PCI/L	NV	Y										

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 4
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1774					1774					1774					1773			
Sample ID:		063709					063710					063711					063782			
Sample Date:		27-AUG-91					27-AUG-91					27-AUG-91					06-SEP-91			
Top Depth (ft):		10					20					0					9			
Bottom Depth (ft):		20					31.5					31.5					18			
GROSS BETA												4108	PCI/L	NV	Y					
NEPTUNIUM-237												3.63	PCI/L	J	Y					
PLUTONIUM-238											U	1	PCI/L	R	Y					
PLUTONIUM-239/240											U	1	PCI/L	R	Y					
RADIUM-226												94.8	PCI/L	-	Y					
RADIUM-228												76.9	PCI/L	-	Y					
RUTHENIUM-106											U	150	PCI/L	UJ	Y					
STRONTIUM-90												8.67	PCI/L	J	Y					
TECHNETIUM-99												51.9	PCI/L	J	Y					
THORIUM-228																				
THORIUM-230																				
THORIUM-232																				
THORIUM-TOTAL																				
URANIUM-234												3930	PCI/L	F	Y					
URANIUM-235/236												333	PCI/L	-	Y					
URANIUM-238												10100	PCI/L	-	Y					
URANIUM-TOTAL												29340	UG/L	K	Y					

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U = Undetected
J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 4
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1773					1773					1775					1775			
Sample ID:		063785					063787					063850					063852			
Sample Date:		06-SEP-91					06-SEP-91					10-SEP-91					10-SEP-91			
Top Depth (ft):		18					0					10					19			
Bottom Depth (ft):		31					31					19					30			
GROSS BETA							211078	PCI/L	NV	Y										
NEPTUNIUM-237																				
PLUTONIUM-238						U	1	PCI/L	U	Y										
PLUTONIUM-239/240						U	1	PCI/L	U	Y										
RADIUM-226							3.12	PCI/L	-	Y										
RADIUM-228							41.5	PCI/L	R	Y										
RUTHENIUM-106						U	224	PCI/L	UJD	Y										
STRONTIUM-90							30.7	PCI/L	-	Y										
TECHNETIUM-99							250	PCI/L	J	Y										
THORIUM-228																				
THORIUM-230																				
THORIUM-232																				
THORIUM-TOTAL																				
URANIUM-234																				
URANIUM-235/236																				
URANIUM-238																				
URANIUM-TOTAL							210000	UG/L	K	Y										

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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

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645

Well/Boring:	1775
Sample ID:	063854
Sample Date:	10-SEP-91
Top Depth (ft):	0
Bottom Depth (ft):	30

Parameters	LQ	Result	Unit	VQ	TCLP
CESIUM-137					
GROSS ALPHA					
GROSS BETA					
PLUTONIUM-238					
PLUTONIUM-239/240					
RADIUM-226					
RADIUM-228					
RUTHENIUM-106					
STRONTIUM-90					
TECHNETIUM-99					
THORIUM-228					
THORIUM-230					
THORIUM-232					
THORIUM-TOTAL					
URANIUM-234					
URANIUM-235					
URANIUM-235/236					
URANIUM-238					
URANIUM-TOTAL					
CESIUM-137	U	23	PCI/L	UJD	Y
GROSS ALPHA		75180	PCI/L	NV	Y

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	1775
Sample ID:	063854
Sample Date:	10-SEP-91
Top Depth (ft):	0
Bottom Depth (ft):	30

Parameters	LQ	Result	Unit	VQ	TCLP
GROSS BETA		58971	PCI/L	NV	Y
NEPTUNIUM-237					
PLUTONIUM-238	U	1	PCI/L	R	Y
PLUTONIUM-239/240	U	1	PCI/L	R	Y
RADIUM-226					
RADIUM-228					
RUTHENIUM-106	U	200	PCI/L	UJD	Y
STRONTIUM-90	U	5	PCI/L	U	Y
TECHNETIUM-99		68	PCI/L	J	Y
THORIUM-228					
THORIUM-230					
THORIUM-232					
THORIUM-TOTAL					
URANIUM-234		13100	PCI/L	F	Y
URANIUM-235/236		3450	PCI/L	-	Y
URANIUM-238		125000	PCI/L	-	Y
URANIUM-TOTAL		334600	UG/L	K	Y

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

-5129
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A.4.1.4

PIT 4
PIT MATERIAL
INORGANIC RESULTS

Characterization Investigation Study - Pit 4
Pit Material Inorganic Results

Well/Boring:	04-01				04-02				04-03				04-04			
Sample ID:	PS-04-001				PS-04-021				PS-04-038				PS-04-061			
Sample Date:	04/21/87				04/22/87				04/24/87				05/04/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	20.0				20.0				20.0				20.0			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CYANIDE	U	0.7	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ
ALUMINUM	E	10100	MG/KG	J	E	3650	MG/KG	J	E	10300	MG/KG	J		4260	MG/KG	-
ANTIMONY	U	0.3	MG/KG	U	U	0.3	MG/KG	U	U	0.4	MG/KG	U		0.5	MG/KG	J
ARSENIC	N	1.2	MG/KG	J	UN	0.3	MG/KG	UJ	UN	0.3	MG/KG	UJ		4.6	MG/KG	J
BARIUM		2060	MG/KG	-	EN	457	MG/KG	J	EN	444	MG/KG	J		6670	MG/KG	-
BERYLLIUM	*	1.2	MG/KG	J		0.2	MG/KG	J		0.5	MG/KG	J		13	MG/KG	-
CADMIUM		1.9	MG/KG	-	U	0.4	MG/KG	U		2.0	MG/KG	-		29	MG/KG	-
CALCIUM	*E	49300	MG/KG	J	*E	61200	MG/KG	J	*E	52200	MG/KG	J		14300	MG/KG	-
CHROMIUM	*EN	17	MG/KG	J		7.9	MG/KG	-		16	MG/KG	-		94	MG/KG	-
COBALT	*N	8.7	MG/KG	J	U	2.3	MG/KG	U		7.4	MG/KG	J		84	MG/KG	-
COPPER	*	44	MG/KG	J	N	23	MG/KG	J	N	34	MG/KG	J		188	MG/KG	-
CYANIDE	U	0.7	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ
IRON	E	10500	MG/KG	J	E	3050	MG/KG	J	E	16100	MG/KG	J		6100	MG/KG	-
LEAD		45	MG/KG	-	*	40	MG/KG	J	*	24	MG/KG	J		63	MG/KG	-
MAGNESIUM	*E	11400	MG/KG	J	*E	23700	MG/KG	J	*E	15900	MG/KG	J		24300	MG/KG	-
MANGANESE		3600	MG/KG	-	E	1750	MG/KG	J	E	3300	MG/KG	J		1950	MG/KG	-
MERCURY		0.4	MG/KG	-	U	0.1	MG/KG	UJ		0.2	MG/KG	-		0.6	MG/KG	-
NICKEL	*E	21	MG/KG	J		8.2	MG/KG	J		22	MG/KG	-		50	MG/KG	-
OSMIUM	U	96	MG/KG	U	U	96	MG/KG	U	U	102	MG/KG	UJ				
POTASSIUM		1320	MG/KG	-		1920	MG/KG	-		892	MG/KG	J		1170	MG/KG	-
SELENIUM	UN	2.1	MG/KG	R	U	0.4	MG/KG	U	U	0.3	MG/KG	U	U	0.4	MG/KG	U
SILVER	N	6.3	MG/KG	J	UN	1.6	MG/KG	UJ	N	3.8	MG/KG	J		444	MG/KG	J

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Characterization Investigation Study - Pit 4
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:	04-01				04-02				04-03				04-04			
Sample ID:	PS-04-001				PS-04-021				PS-04-038				PS-04-061			
Sample Date:	04/21/87				04/22/87				04/24/87				05/04/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	20.0				20.0				20.0				20.0			
SODIUM		409	MG/KG	J		456	MG/KG	J		255	MG/KG	J		1240	MG/KG	-
THALLIUM	UN	0.3	MG/KG	UJ	U	0.2	MG/KG	U	U	0.2	MG/KG	U	UN	0.3	MG/KG	UJ
TIN	N	87	MG/KG	J	N	56	MG/KG	J	N	30	MG/KG	J				
VANADIUM	*N	24	MG/KG	J		11	MG/KG	J		26	MG/KG	-		235	MG/KG	-
ZINC	*	35	MG/KG	J		14	MG/KG	-		43	MG/KG	-		84	MG/KG	J

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Well/Boring:		1774				1774				1774				1774	
Sample ID:		063669				063670				063685				063687	
Sample Date:		26-AUG-91				26-AUG-91				26-AUG-91				26-AUG-91	
Top Depth (ft):		9.5				10				19				20	
Bottom Depth (ft):		10				12				19.5				22	
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
% Moisture		37	% MOISTU	NV		15.9	% MOISTU	NV		15	% MOISTU	NV		17.6	% MOISTU	NV
% Solids																
Ammonia																
Bromide																
Chloride																
Cyanide																
Fluoride																
Nitrate																
Oil and Grease																
Phosphate																
Phosphorus																
Sulfate																
Sulfide																
Total Kjeldahl Nitrogen																
Total Organic Carbon																
Total Organic Nitrogen																
pH																
Aluminum																
Antimony																
Arsenic																
Barium																

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1774					1774					1774					1774			
Sample ID:		063705					063709					063710					063711			
Sample Date:		27-AUG-91					27-AUG-91					27-AUG-91					27-AUG-91			
Top Depth (ft):		30.5					10					20					0			
Bottom Depth (ft):		31					20					31.5					31.5			
% Moisture		22	% MOISTU	NV			17	% MOISTU	NV			19	% MOISTU	NV						
% Solids																				
Ammonia							2.6	MG/KG	J		U	.1	MG/KG	R						
Bromide																				
Chloride																				
Cyanide						B*	.24	MG/KG	-		U*	.13	MG/KG	U						
Fluoride																				
Nitrate																				
Oil and Grease							601	MG/KG	U			538	MG/KG	-						
Phosphate																				
Phosphorus							44.8	MG/KG	-			55.6	MG/KG	-						
Sulfate																				
Sulfide							29.1	MG/KG	J											
Total Kjeldahl Nitrogen																				
Total Organic Carbon																	53646	MG/KG		
Total Organic Nitrogen							3.18	MG/KG	-			70.9	MG/KG	-						
pH							7.27	S.U.	-			6.63	S.U.	-						
Aluminum							1160	MG/KG	-			1850	MG/KG	-						
Antimony						B	10.5	MG/KG	J		U	7.4	MG/KG	UJ						
Arsenic						B	2.3	MG/KG	-		B	1.8	MG/KG	-						
Barium							753	MG/KG	-			313	MG/KG	-						

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Well/Boring:	1773				1773				1773				1773		
Sample ID:	063742				063747				063754				063778		
Sample Date:	05-SEP-91				05-SEP-91				05-SEP-91				05-SEP-91		
Top Depth (ft):	8.5				11				16				30		
Bottom Depth (ft):	9				13				16.5				30.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
% Moisture		8	% MOISTU	NV		21.4	% MOISTU	NV		17	% MOISTU	NV		22	% MOISTU	NV
% Solids																
Ammonia																
Bromide																
Chloride																
Cyanide																
Fluoride																
Nitrate																
Oil and Grease																
Phosphate																
Phosphorus																
Sulfate																
Sulfide																
Total Kjeldahl Nitrogen																
Total Organic Carbon																
Total Organic Nitrogen																
pH																
Aluminum																
Antimony																
Arsenic																
Barium																

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Unit = See list at front of Appendices.
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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Well/Boring:	1773				1773				1773				1775		
Sample ID:	063782				063785				063787				063815		
Sample Date:	06-SEP-91				06-SEP-91				06-SEP-91				09-SEP-91		
Top Depth (ft):	9				18				0				7.5		
Bottom Depth (ft):	18				31				31				8		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
% Moisture		18	% MOISTU	NV		22	% MOISTU	NV						11	% MOISTU	NV
% Solids		82	% SOLIDS	NV		77.1	% SOLIDS	NV								
Ammonia	U	.1	MG/KG	U		235	MG/KG	-								
Bromide	U	1	MG/KG	UJ	U	1	MG/KG	UJ								
Chloride	U	.4	MG/KG	UJ		53	MG/KG	J								
Cyanide	B	.57	MG/KG	UJ	B	.28	MG/KG	UJ								
Fluoride		3793	MG/KG	-												
Nitrate	U	.4	MG/KG	UJ	U	.4	MG/KG	UJ								
Oil and Grease		17902	MG/KG	J												
Phosphate	U	1	MG/KG	UJ	U	1	MG/KG	UJ								
Phosphorus		146	MG/KG	-		2.43	MG/KG	-								
Sulfate	U	1.5	MG/KG	UJ	U	1.5	MG/KG	UJ								
Sulfide	U	.5	MG/KG	UJ												
Total Kjeldahl Nitrogen																
Total Organic Carbon										6093	MG/KG	-				
Total Organic Nitrogen		833.2	MG/KG	-		354	MG/KG	-								
pH		6.31	S.U.	-												
Aluminum		10700	MG/KG	-		4750	MG/KG	-								
Antimony	N	317	MG/KG	J	N	85.4	MG/KG	J								
Arsenic		2.2	MG/KG	-	S	3.8	MG/KG	-								
Barium		2470	MG/KG	-		3720	MG/KG	-								

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1775					1775					1775					1775			
Sample ID:		063826					063829					063847					063850			
Sample Date:		09-SEP-91					09-SEP-91					09-SEP-91					10-SEP-91			
Top Depth (ft):		15					18					29.5					10			
Bottom Depth (ft):		17					18.5					30					19			
% Moisture		61.5	% MOISTU	NV			26	% MOISTU	NV			20	% MOISTU	NV			27	% MOISTU	NV	
% Solids																	72.2	% SOLIDS	NV	
Ammonia																U	.1	MG/KG	R	
Bromide																U	1	MG/KG	R	
Chloride																	960	MG/KG	R	
Cyanide																B	.64	MG/KG	UJ	
Fluoride																U	.4	MG/KG	U	
Nitrate																	66	MG/KG	R	
Oil and Grease																	949	MG/KG	-	
Phosphate																U	1	MG/KG	R	
Phosphorus																	448.6	MG/KG	R	
Sulfate																	287	MG/KG	R	
Sulfide																U	.5	MG/KG	R	
Total Kjeldahl Nitrogen																	495.36	MG/KG	R	
Total Organic Carbon																				
Total Organic Nitrogen																	492.3	MG/KG	R	
pH																	7.17	S.U.	R	
Aluminum																	8940	MG/KG	-	
Antimony																	85.6	MG/KG	-	
Arsenic																N	6.5	MG/KG	J	
Barium																	1870	MG/KG	-	

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1775				1775		
Sample ID:		063852				063854		
Sample Date:		10-SEP-91				10-SEP-91		
Top Depth (ft):		19				0		
Bottom Depth (ft):		30				30		
% Moisture		30	% MOISTU	NV				
% Solids								
Ammonia		.1	MG/KG	R				
Bromide		1	MG/KG	R				
Chloride		1143	MG/KG	R				
Cyanide								
Fluoride		.4	MG/KG	R				
Nitrate		36	MG/KG	R				
Oil and Grease		888	MG/KG	R				
Phosphate		1	MG/KG	R				
Phosphorus		192.9	MG/KG	R				
Sulfate		302	MG/KG	R				
Sulfide								
Total Kjeldahl Nitrogen		169.98	MG/KG	R				
Total Organic Carbon						14771	MG/KG	R
Total Organic Nitrogen		161.6	MG/KG	R				
pH		7.77	S.U.	R				
Aluminum								
Antimony								
Arsenic								
Barium								

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Well/Boring:	1774				1774				1774				1774			
Sample ID:	063705				063709				063710				063711			
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				27-AUG-91			
Top Depth (ft):	30.5				10				20				0			
Bottom Depth (ft):	31				20				31.5				31.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Beryllium					UN	.47	MG/KG	UJ	UN	.49	MG/KG	UJ				
Boron						91.3	MG/KG	-		37.6	MG/KG	-				
Cadmium						2	MG/KG	-	B	.87	MG/KG	-				
Calcium						7200	MG/KG	-		13600	MG/KG	-				
Chromium						20.5	MG/KG	-		11.3	MG/KG	-				
Cobalt					B	3.3	MG/KG	-	U	2.5	MG/KG	U				
Copper						46	MG/KG	-		17.7	MG/KG	-				
Iron						1160	MG/KG	-		1420	MG/KG	-				
Lead						37.3	MG/KG	J		22.5	MG/KG	J				
Magnesium						13400	MG/KG	-		6300	MG/KG	-				
Manganese						2890	MG/KG	-		3760	MG/KG	-				
Mercury					UN	.12	MG/KG	UJ	UN	.12	MG/KG	UJ				
Molybdenum						6.1	MG/KG	-		5	MG/KG	-				
Nickel						14.9	MG/KG	-	B	7.9	MG/KG	-				
Potassium					B	526	MG/KG	-	B	3.9	MG/KG	-				
Selenium					UN	.48	MG/KG	UJ	UN	.48	MG/KG	UJ				
Silicon					*	4080	MG/KG	J	*	686	MG/KG	J				
Silver						7.3	MG/KG	-		5.7	MG/KG	-				
Sodium					B	748	MG/KG	-	B	276	MG/KG	-				
Thallium					U	.48	MG/KG	U	U	.48	MG/KG	U				
Tin					U	.24	MG/KG	U	U	49.1	MG/KG	-				

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1773				1773				1773				1775			
Sample ID:		063782				063785				063787				063815			
Sample Date:		06-SEP-91				06-SEP-91				06-SEP-91				09-SEP-91			
Top Depth (ft):		9				18				0				7.5			
Bottom Depth (ft):		18				31				31				8			
Beryllium		50.6	MG/KG	-		13.1	MG/KG	-									
Boron	N	1010	MG/KG	J	N	76.1	MG/KG	J									
Cadmium		34.8	MG/KG	-		9.7	MG/KG	-									
Calcium		8170	MG/KG	-		15800	MG/KG	-									
Chromium		1500	MG/KG	-		394	MG/KG	-									
Cobalt		183	MG/KG	-		51	MG/KG	-									
Copper		482	MG/KG	-		144	MG/KG	-									
Iron		7420	MG/KG	-		3000	MG/KG	-									
Lead		37.4	MG/KG	-		37.4	MG/KG	-									
Magnesium		34000	MG/KG	-		14700	MG/KG	-									
Manganese	N	678	MG/KG	J	N	1720	MG/KG	J									
Mercury	N	.62	MG/KG	J	N	.12	MG/KG	J									
Molybdenum		95.6	MG/KG	-		30.7	MG/KG	-									
Nickel		223	MG/KG	-		67.9	MG/KG	-									
Potassium	B	4210	MG/KG	-	B	2350	MG/KG	-									
Selenium	UW	.28	MG/KG	UJ	UW	.31	MG/KG	UJ									
Silicon		3770	MG/KG	-		2980	MG/KG	-									
Silver		755	MG/KG	-		195	MG/KG	-									
Sodium		2280	MG/KG	-		855	MG/KG	-									
Thallium	U	.28	MG/KG	U	U	.31	MG/KG	U									
Tin		133	MG/KG	-		43.1	MG/KG	-									

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TCLP = Toxicity Characteristic Leaching Procedure
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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Well/Boring:	1775				1775				1775				1775		
Sample ID:	063826				063829				063847				063850		
Sample Date:	09-SEP-91				09-SEP-91				09-SEP-91				10-SEP-91		
Top Depth (ft):	15				18				29.5				10		
Bottom Depth (ft):	17				18.5				30				19		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Beryllium														20.4	MG/KG	-
Boron														63.2	MG/KG	-
Cadmium														10	MG/KG	-
Calcium														32700	MG/KG	-
Chromium														418	MG/KG	-
Cobalt														54.7	MG/KG	-
Copper													*	191	MG/KG	J
Iron														4720	MG/KG	-
Lead														63.2	MG/KG	-
Magnesium														12300	MG/KG	-
Manganese														5620	MG/KG	-
Mercury														.28	MG/KG	-
Molybdenum														36	MG/KG	-
Nickel														106	MG/KG	-
Potassium													B	3750	MG/KG	-
Selenium													UN	.37	MG/KG	UJ
Silicon													N*	3300	MG/KG	J
Silver														232	MG/KG	-
Sodium														1470	MG/KG	-
Thallium													U	.37	MG/KG	U
Tin														97.4	MG/KG	-

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J = Estimated
- = Detected
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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Well/Boring:	1774				1774				1774				1774			
Sample ID:	063705				063709				063710				063711			
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				27-AUG-91			
Top Depth (ft):	30.5				10				20				0			
Bottom Depth (ft):	31				20				31.5				31.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Vanadium						12	MG/KG	-	B	10.4	MG/KG	-				
Zinc						8.7	MG/KG	-		6	MG/KG	-				
% Moisture																
Total Organic Carbon																
Aluminum														2840	UG/L	-	Y
Antimony														113	UG/L	-	Y
Arsenic													U	2	UG/L	U	Y
Barium														2790	UG/L	-	Y
Beryllium														7.3	UG/L	-	Y
Boron														211	UG/L	-	Y
Cadmium														13.3	UG/L	-	Y
Calcium														380000	UG/L	-	Y
Chromium														215	UG/L	-	Y
Cobalt													B	38.7	UG/L	-	Y
Copper														105	UG/L	-	Y
Iron														156	UG/L	-	Y
Lead														18.6	UG/L	-	Y
Magnesium														75600	UG/L	-	Y
Manganese														13800	UG/L	-	Y
Mercury													U	.2	UG/L	U	Y
Molybdenum														31.7	UG/L	-	Y

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Well/Boring:	1773				1773				1773				1775		
Sample ID:	063782				063785				063787				063815		
Sample Date:	06-SEP-91				06-SEP-91				06-SEP-91				09-SEP-91		
Top Depth (ft):	9				18				0				7.5		
Bottom Depth (ft):	18				31				31				8		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Vanadium		558	MG/KG	-		153	MG/KG	-								
Zinc		200	MG/KG	-		54.2	MG/KG	-								
% Moisture																
Total Organic Carbon																
Aluminum										29100	UG/L	- Y				
Antimony										997	UG/L	J Y				
Arsenic									U	2	UG/L	U Y				
Barium										12800	UG/L	- Y				
Beryllium										157	UG/L	- Y				
Boron										563	UG/L	J Y				
Cadmium									E	104	UG/L	J Y				
Calcium										454000	UG/L	- Y				
Chromium										4520	UG/L	- Y				
Cobalt									E	597	UG/L	J Y				
Copper										1300	UG/L	- Y				
Iron									E	29000	UG/L	J Y				
Lead										3.6	UG/L	- Y				
Magnesium										111000	UG/L	- Y				
Manganese										26700	UG/L	- Y				
Mercury									U	.2	UG/L	U Y				
Molybdenum										268	UG/L	J Y				

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1775					1775					1775					1775			
Sample ID:		063826					063829					063847					063850			
Sample Date:		09-SEP-91					09-SEP-91					09-SEP-91					10-SEP-91			
Top Depth (ft):		15					18					29.5					10			
Bottom Depth (ft):		17					18.5					30					19			
Vanadium																	171	MG/KG		
Zinc																	68.9	MG/KG		
% Moisture																				
Total Organic Carbon																				
Aluminum																				
Antimony																				
Arsenic																				
Barium																				
Beryllium																				
Boron																				
Cadmium																				
Calcium																				
Chromium																				
Cobalt																				
Copper																				
Iron																				
Lead																				
Magnesium																				
Manganese																				
Mercury																				
Molybdenum																				

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1775					1775			
Sample ID:		063852					063854			
Sample Date:		10-SEP-91					10-SEP-91			
Top Depth (ft):		19					0			
Bottom Depth (ft):		30					30			
Vanadium										
Zinc										
% Moisture										
Total Organic Carbon										
Aluminum							18100	UG/L	U	Y
Antimony							569	UG/L	U	Y
Arsenic						UW	2	UG/L	U	Y
Barium							1470	UG/L	U	Y
Beryllium							90.7	UG/L	U	Y
Boron							541	UG/L	U	Y
Cadmium						E	70.6	UG/L	J	Y
Calcium							641000	UG/L	U	Y
Chromium							2140	UG/L	U	Y
Cobalt						E	310	UG/L	J	Y
Copper							619	UG/L	U	Y
Iron						E	14200	UG/L	J	Y
Lead							5.6	UG/L	U	Y
Magnesium							137000	UG/L	U	Y
Manganese							61800	UG/L	U	Y
Mercury						U	.2	UG/L	UJ	Y
Molybdenum							163	UG/L	J	Y

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1774				1774				1774				1774		
Sample ID:		063705				063709				063710				063711		
Sample Date:		27-AUG-91				27-AUG-91				27-AUG-91				27-AUG-91		
Top Depth (ft):		30.5				10				20				0		
Bottom Depth (ft):		31				20				31.5				31.5		
Nickel														105	UG/L	- Y
Potassium													B	3810	UG/L	- Y
Selenium													U	2	UG/L	U Y
Silicon														2790	UG/L	- Y
Silver														133	UG/L	- Y
Sodium													U	100	UG/L	U Y
Thallium													U	2	UG/L	U Y
Vanadium														91.4	UG/L	- Y
Zinc														167	UG/L	- Y

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1991 RI/FS - Pit 4
Pit Material Inorganic Results

Well/Boring:	1773				1773				1773				1775			
Sample ID:	063782				063785				063787				063815			
Sample Date:	06-SEP-91				06-SEP-91				06-SEP-91				09-SEP-91			
Top Depth (ft):	9				18				0				7.5			
Bottom Depth (ft):	18				31				31				8			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Nickel										787	UG/L	J Y				
Potassium									B	44800	UG/L	- Y				
Selenium									UWN	2	UG/L	UJ Y				
Silicon										17500	UG/L	- Y				
Silver										2340	UG/L	- Y				
Sodium																
Thallium									UW	2	UG/L	UJ Y				
Vanadium										1720	UG/L	- Y				
Zinc									E	1270	UG/L	J Y				

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Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1775					1775			
Sample ID:		063852					063854			
Sample Date:		10-SEP-91					10-SEP-91			
Top Depth (ft):		19					0			
Bottom Depth (ft):		30					30			
Nickel							587	UG/L	U	Y
Potassium							21500	UG/L	U	Y
Selenium						UWN	2	UG/L	UJ	Y
Silicon							30800	UG/L	U	Y
Silver							1130	UG/L	U	Y
Sodium						U	100	UG/L	U	Y
Thallium						UW	2	UG/L	U	Y
Vanadium							835	UG/L	U	Y
Zinc						E	533	UG/L	J	Y

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FEMP OU1RI-5 USEPA

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PIT 4
PIT MATERIAL
ORGANIC RESULTS

Characterization Investigation Study - Pit 4
Pit Material Organic Results

Well/Boring:	04-01				04-02				04-02				04-03			
Sample ID:	PS-04-001				PS-04-021				PS-04-022				PS-04-038			
Sample Date:	04/21/87				04/22/87				04/22/87				04/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	20.0				20.0				20.0				20.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	100	UG/KG	U	U	73	UG/KG	U	U	19	UG/KG	U	U	99	UG/KG	U
4,4-DDE	U	100	UG/KG	U	U	73	UG/KG	U	U	19	UG/KG	U	U	99	UG/KG	U
4,4-DDT	U	100	UG/KG	U	U	73	UG/KG	U	U	19	UG/KG	U	U	99	UG/KG	U
ALDRIN	U	51	UG/KG	U	U	37	UG/KG	U	U	9.3	UG/KG	U	U	49	UG/KG	U
ALPHA-BHC	U	51	UG/KG	U	U	37	UG/KG	U	U	9.3	UG/KG	U	U	49	UG/KG	U
AROCLOR 1016	U	510	UG/KG	U	U	370	UG/KG	U	U	93	UG/KG	U	U	490	UG/KG	U
AROCLOR 1221	U	510	UG/KG	U	U	370	UG/KG	U	U	93	UG/KG	U	U	490	UG/KG	U
AROCLOR 1232	U	510	UG/KG	U	U	370	UG/KG	U	U	93	UG/KG	U	U	490	UG/KG	U
AROCLOR 1242	U	510	UG/KG	U	U	370	UG/KG	U		233	UG/KG	-		1034	UG/KG	-
AROCLOR 1248		854	UG/KG	-		460	UG/KG	-	U	93	UG/KG	U	U	490	UG/KG	U
AROCLOR 1254		1008	UG/KG	-	J	296	UG/KG	-	J	98	UG/KG	-	J	523	UG/KG	-
AROCLOR 1260	U	1000	UG/KG	U	U	730	UG/KG	U	U	190	UG/KG	U	U	990	UG/KG	U
BETA-BHC	U	51	UG/KG	U	U	37	UG/KG	U	U	9.3	UG/KG	U	U	49	UG/KG	U
CHLORDANE	U	510	UG/KG	U	U	370	UG/KG	U	U	93	UG/KG	U	U	490	UG/KG	U
DELTA-BHC	U	51	UG/KG	UJ	U	37	UG/KG	U	U	9.3	UG/KG	U	U	49	UG/KG	U
DIELDRIN	U	100	UG/KG	U	U	73	UG/KG	U	U	19	UG/KG	U	U	99	UG/KG	U
ENDOSULFAN I	U	51	UG/KG	U	U	37	UG/KG	U	U	9.3	UG/KG	U	U	49	UG/KG	U
ENDOSULFAN II	U	100	UG/KG	U	U	73	UG/KG	U	U	19	UG/KG	U	U	99	UG/KG	U
ENDOSULFAN SULFATE	U	100	UG/KG	U	U	73	UG/KG	U	U	19	UG/KG	U	U	99	UG/KG	U
ENDRIN	U	100	UG/KG	U	U	73	UG/KG	U	U	19	UG/KG	U	U	99	UG/KG	U
ENDRIN KETONE	U	100	UG/KG	U	U	73	UG/KG	U	U	19	UG/KG	U	U	99	UG/KG	U
GAMMA-BHC(Lindane)	U	51	UG/KG	U	U	37	UG/KG	U	U	9.3	UG/KG	U	U	49	UG/KG	U

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FEMP OU1RI-5 USEPA

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Well/Boring:	04-04
Sample ID:	PS-04-061
Sample Date:	05/04/87
Top Depth (ft):	0.0
Bottom Depth (ft):	20.0

Parameters	LQ	Result	Unit	VQ TCLP
4,4-DDD				
4,4-DDE	U	98	UG/KG	U
4,4-DDT				
ALDRIN	U	49	UG/KG	U
ALPHA-BHC	U	49	UG/KG	U
AROCLOR 1016	U	490	UG/KG	U
AROCLOR 1221	U	490	UG/KG	U
AROCLOR 1232	U	490	UG/KG	U
AROCLOR 1242	U	490	UG/KG	U
AROCLOR 1248		565	UG/KG	-
AROCLOR 1254	J	719	UG/KG	J
AROCLOR 1260	U	980	UG/KG	U
BETA-BHC	U	49	UG/KG	U
CHLORDANE	U	490	UG/KG	U
DELTA-BHC	U	49	UG/KG	U
DIELDRIN	U	98	UG/KG	U
ENDOSULFAN I	U	49	UG/KG	U
ENDOSULFAN II	U	98	UG/KG	U
ENDOSULFAN SULFATE	U	98	UG/KG	U
ENDRIN	U	98	UG/KG	U
ENDRIN KETONE	U	98	UG/KG	U
GAMMA-BHC(Lindane)	U	49	UG/KG	U

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Characterization Investigation Study - Pit 4
Pit Material Organic Results

Well/Boring:	04-01				04-02				04-02				04-03		
Sample ID:	PS-04-001				PS-04-021				PS-04-022				PS-04-038		
Sample Date:	04/21/87				04/22/87				04/22/87				04/24/87		
Top Depth (ft):	0.0				0.0				0.0				0.0		
Bottom Depth (ft):	20.0				20.0				20.0				20.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	51	UG/KG	U	U	37	UG/KG	U	U	9.3	UG/KG	U	U	49	UG/KG	U
HEPTACHLOR EPOXIDE	U	51	UG/KG	U	U	37	UG/KG	U	U	9.3	UG/KG	U	U	49	UG/KG	U
METHOXYCHLOR	U	510	UG/KG	U	U	370	UG/KG	U	U	93	UG/KG	U	U	490	UG/KG	U
TOXAPHENE	U	1000	UG/KG	U	U	730	UG/KG	U	U	190	UG/KG	U	U	990	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
1,2-DICHLOROBENZENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
1,3-DICHLOROBENZENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
1,4-DICHLOROBENZENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	2400	UG/KG	UJ	U	2100	UG/KG	UJ	U	2200	UG/KG	UJ	U	2300	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2,4-DICHLOROPHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2,4-DIMETHYLPHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2,4-DINITROPHENOL	U	2400	UG/KG	UJ	U	2100	UG/KG	UJ	U	2200	UG/KG	UJ	U	2300	UG/KG	UJ
2,4-DINITROTOLUENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2,6-DINITROTOLUENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2-CHLORONAPHTHALENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2-CHLOROPHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2-METHYLNAPHTHALENE	U	470	UG/KG	U	U	420	UG/KG	U		730	UG/KG	-	U	460	UG/KG	U
2-METHYLPHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
2-NITROANILINE	U	2400	UG/KG	U	U	2100	UG/KG	U	U	2200	UG/KG	U	U	2300	UG/KG	U
2-NITROPHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
3,3-DICHLOROBENZIDINE	U	940	UG/KG	U	U	840	UG/KG	U	U	880	UG/KG	U	U	920	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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Well/Boring:	04-04
Sample ID:	PS-04-061
Sample Date:	05/04/87
Top Depth (ft):	0.0
Bottom Depth (ft):	20.0

Parameters	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	49	UG/KG	U
HEPTACHLOR EPOXIDE	U	49	UG/KG	U
METHOXYCHLOR	U	490	UG/KG	U
TOXAPHENE	U	980	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	450	UG/KG	UJ
1,2-DICHLOROBENZENE	U	450	UG/KG	UJ
1,3-DICHLOROBENZENE	U	450	UG/KG	UJ
1,4-DICHLOROBENZENE	U	450	UG/KG	UJ
2,4,5-TRICHLOROPHENOL	U	2300	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	450	UG/KG	UJ
2,4-DICHLOROPHENOL	U	450	UG/KG	UJ
2,4-DIMETHYLPHENOL	J	240	UG/KG	J
2,4-DINITROPHENOL	U	2300	UG/KG	UJ
2,4-DINITROTOLUENE	U	450	UG/KG	UJ
2,6-DINITROTOLUENE	U	450	UG/KG	UJ
2-CHLORONAPHTHALENE	U	450	UG/KG	UJ
2-CHLOROPHENOL	U	450	UG/KG	UJ
2-METHYLNAPHTHALENE	J	1100	UG/KG	J
2-METHYLPHENOL	J	96	UG/KG	J
2-NITROANILINE	U	2300	UG/KG	UJ
2-NITROPHENOL	U	450	UG/KG	UJ
3,3-DICHLOROBENZIDINE	U	900	UG/KG	UJ

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit 4
Pit Material Organic Results

Well/Boring:	04-01				04-02				04-02				04-03		
Sample ID:	PS-04-001				PS-04-021				PS-04-022				PS-04-038		
Sample Date:	04/21/87				04/22/87				04/22/87				04/24/87		
Top Depth (ft):	0.0				0.0				0.0				0.0		
Bottom Depth (ft):	20.0				20.0				20.0				20.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	2400	UG/KG	U	U	2100	UG/KG	U	U	2200	UG/KG	U	U	2300	UG/KG	U
4,6-DINITRO-2-METHYLPHENOL	U	2400	UG/KG	U	U	2100	UG/KG	U	U	2200	UG/KG	U	U	2300	UG/KG	U
4-BROMOPHENYL PHENYL ETHER	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
4-CHLOROANILINE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	470	UG/KG	UJ	U	420	UG/KG	UJ	U	440	UG/KG	U	U	460	UG/KG	UJ
4-METHYLPHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
4-NITROANILINE	U	2400	UG/KG	U	U	2100	UG/KG	U	U	2200	UG/KG	U	U	2300	UG/KG	U
4-NITROPHENOL	U	2400	UG/KG	UJ	U	2100	UG/KG	UJ	U	2200	UG/KG	UJ	U	2300	UG/KG	UJ
ACENAPHTHENE	J	170	UG/KG	UJ	J	87	UG/KG	J		1200	UG/KG	-	U	460	UG/KG	U
ACENAPHTHYLENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
ANTHRACENE		510	UG/KG	-	J	260	UG/KG	J		2500	UG/KG	-	U	460	UG/KG	U
BENZO(A)ANTHRACENE		750	UG/KG	-	J	390	UG/KG	J		4100	UG/KG	-	J	52	UG/KG	J
BENZO(A)PYRENE		550	UG/KG	-	J	320	UG/KG	J		4500	UG/KG	-	U	460	UG/KG	U
BENZO(B)FLUORANTHENE		510	UG/KG	-	J	250	UG/KG	J		3800	UG/KG	-	U	460	UG/KG	U
BENZO(G,H,I)PERYLENE	J	170	UG/KG	J	J	130	UG/KG	J	U	440	UG/KG	U	U	460	UG/KG	U
BENZO(K)FLUORANTHENE	J	560	UG/KG	J	J	330	UG/KG	J		3700	UG/KG	J	U	460	UG/KG	UJ
BENZOIC ACID	U	2400	UG/KG	R	U	2100	UG/KG	R	U	2200	UG/KG	R	U	2300	UG/KG	R
BENZYL ALCOHOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
BIS(2-CHLOROISOPROPYL)ETHER	U	470	UG/KG	UJ	U	420	UG/KG	UJ	U	440	UG/KG	UJ	U	460	UG/KG	UJ

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Submittal Date: 08-Feb-94
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Well/Boring:	04-04
Sample ID:	PS-04-061
Sample Date:	05/04/87
Top Depth (ft):	0.0
Bottom Depth (ft):	20.0

Parameters	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	2300	UG/KG	UJ
4,6-DINITRO-2-METHYLPHENOL	U	2300	UG/KG	UJ
4-BROMOPHENYL PHENYL ETHER	U	450	UG/KG	UJ
4-CHLORO-3-METHYLPHENOL	U	450	UG/KG	UJ
4-CHLOROANILINE	U	450	UG/KG	UJ
4-CHLOROPHENOL PHENYL ETHER	U	450	UG/KG	U
4-METHYLPHENOL	J	360	UG/KG	J
4-NITROANILINE	U	2300	UG/KG	UJ
4-NITROPHENOL	U	2300	UG/KG	UJ
ACENAPHTHENE		1900	UG/KG	J
ACENAPHTHYLENE	U	450	UG/KG	UJ
ANTHRACENE		3300	UG/KG	J
BENZO(A)ANTHRACENE		4100	UG/KG	J
BENZO(A)PYRENE		4800	UG/KG	J
BENZO(B)FLUORANTHENE		5800	UG/KG	J
BENZO(G,H,I)PERYLENE		1300	UG/KG	J
BENZO(K)FLUORANTHENE		3700	UG/KG	J
BENZOIC ACID	U	2300	UG/KG	R
BENZYL ALCOHOL	U	450	UG/KG	UJ
BIS(2-CHLOROETHOXY)METHANE	U	450	UG/KG	UJ
BIS(2-CHLOROETHYL)ETHER	U	450	UG/KG	UJ
BIS(2-CHLOROISOPROPYL)ETHER	U	450	UG/KG	UJ

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Characterization Investigation Study - Pit 4
Pit Material Organic Results

Well/Boring:	04-01				04-02				04-02				04-03		
Sample ID:	PS-04-001				PS-04-021				PS-04-022				PS-04-038		
Sample Date:	04/21/87				04/22/87				04/22/87				04/24/87		
Top Depth (ft):	0.0				0.0				0.0				0.0		
Bottom Depth (ft):	20.0				20.0				20.0				20.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	J	270	UG/KG	J	U	420	UG/KG	U	J	230	UG/KG	J	J	140	UG/KG	J
BIS(CHLOROMETHYL)ETHER																
BUTYL BENZYL PHTHALATE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
C-10 UNK HYDROCARBON																
CHRYSENE		760	UG/KG	-	J	420	UG/KG	J		4500	UG/KG	-	J	70	UG/KG	J
DI-N-BUTYLPHTHALATE	U	470	UG/KG	U		490	UG/KG	-	J	130	UG/KG	J	J	60	UG/KG	J
DI-N-OCTYLPHTHALATE	J	170	UG/KG	J	U	420	UG/KG	U	J	190	UG/KG	J	U	460	UG/KG	U
DIBENZO(A,H)ANTHRACENE	J	65	UG/KG	J	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
DIBENZOFURAN	J	160	UG/KG	J	J	98	UG/KG	J		1400	UG/KG	-	U	460	UG/KG	U
DIETHYL PHTHALATE	U	470	UG/KG	UJ	U	420	UG/KG	UJ	U	440	UG/KG	U	U	460	UG/KG	UJ
DIMETHYL PHTHALATE	U	470	UG/KG	UJ	U	420	UG/KG	UJ	U	440	UG/KG	UJ	U	460	UG/KG	UJ
DIPROPYLAMINE																
FLUORANTHENE		2200	UG/KG	-		1000	UG/KG	-		9900	UG/KG	-	J	170	UG/KG	J
FLUORENE	J	310	UG/KG	J	J	160	UG/KG	J		2200	UG/KG	-	U	460	UG/KG	U
HEXACHLOROBENZENE	U	470	UG/KG	UJ	U	420	UG/KG	UJ	U	440	UG/KG	UJ	U	460	UG/KG	UJ
HEXACHLOROBUTADIENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	470	UG/KG	UJ	U	420	UG/KG	UJ	U	440	UG/KG	UJ	U	460	UG/KG	UJ
HEXACHLOROETHANE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
INDENO(1,2,3-CD)PYRENE	J	180	UG/KG	J	J	150	UG/KG	J	J	180	UG/KG	J	U	460	UG/KG	UJ
ISOPHORONE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U
N-NITROSO-DI-N-PROPYLAMINE	U	470	UG/KG	U	U	420	UG/KG	UJ	U	440	UG/KG	U	U	460	UG/KG	U
N-NITROSODIPHENYLAMINE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	UJ	U	460	UG/KG	UJ

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Print Date: 13-JAN-94
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Well/Boring:	04-04
Sample ID:	PS-04-061
Sample Date:	05/04/87
Top Depth (ft):	0.0
Bottom Depth (ft):	20.0

Parameters	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	450	UG/KG	UJ
BIS(CHLOROMETHYL)ETHER				
BUTYL BENZYL PHTHALATE	U	450	UG/KG	UJ
C-10 UNK HYDROCARBON				
CHRYSENE		4100	UG/KG	J
DI-N-BUTYLPHTHALATE	J	330	UG/KG	J
DI-N-OCTYLPHTHALATE	U	450	UG/KG	UJ
DIBENZO(A,H)ANTHRACENE		560	UG/KG	J
DIBENZOFURAN		1700	UG/KG	J
DIETHYL PHTHALATE	U	450	UG/KG	UJ
DIMETHYL PHTHALATE	U	450	UG/KG	UJ
DIPROPYLAMINE				
FLUORANTHENE	J	18000	UG/KG	J
FLUORENE		3400	UG/KG	J
HEXACHLOROBENZENE	U	450	UG/KG	UJ
HEXACHLOROBUTADIENE	U	450	UG/KG	UJ
HEXACHLOROCYCLOPENTADIENE	U	450	UG/KG	UJ
HEXACHLOROETHANE	U	450	UG/KG	UJ
INDENO(1,2,3-CD)PYRENE		1400	UG/KG	J
ISOPHORONE	U	450	UG/KG	UJ
N-NITROSO-DI-N-PROPYLAMINE	U	450	UG/KG	UJ
N-NITROSODIPHENYLAMINE	U	450	UG/KG	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 4
Pit Material Organic Results

Well/Boring:	04-01					04-02					04-02					04-03				
Sample ID:	PS-04-001					PS-04-021					PS-04-022					PS-04-038				
Sample Date:	04/21/87					04/22/87					04/22/87					04/24/87				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	20.0					20.0					20.0					20.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
NAPHTHALENE	J	110	UG/KG	J	J	62	UG/KG	J		1100	UG/KG	-	U	460	UG/KG	U	
NITROBENZENE	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U	
PENTACHLOROPHENOL	U	2400	UG/KG	U	U	2100	UG/KG	U	U	2200	UG/KG	U	U	2300	UG/KG	U	
PHENANTHRENE		2100	UG/KG	-		1000	UG/KG	-		9400	UG/KG	-	J	110	UG/KG	J	
PHENOL	U	470	UG/KG	U	U	420	UG/KG	U	U	440	UG/KG	U	U	460	UG/KG	U	
PYRENE		1400	UG/KG	-		670	UG/KG	-		6600	UG/KG	-	J	93	UG/KG	J	
1,1,1-TRICHLOROETHANE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,1,2,2-TETRACHLOROETHANE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,1,2-TRICHLOROETHANE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,1-DICHLOROETHANE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,1-DICHLOROETHENE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,2-DICHLOROETHANE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,2-DICHLOROETHENE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,2-DICHLOROPROPANE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,2-DICHLOROPROPENE					U	280	UG/KG	U									
1,3-DICHLOROPROPENE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U	
1,3-DICHLOROPROPYLENE																	
2-BUTANONE	U	640	UG/KG	R	U	560	UG/KG	R					U	630	UG/KG	R	
2-CHLOROETHYL VINYL ETHER	U	640	UG/KG	R	U	560	UG/KG	R					U	630	UG/KG	R	
2-HEXANONE	U	640	UG/KG	U	U	560	UG/KG	U					U	630	UG/KG	U	
4-METHYL-2-PENTANONE	U	640	UG/KG	UJ	U	560	UG/KG	U					U	630	UG/KG	U	
4-METHYLPHENOLPROPHYL ETHER																	

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Submittal Date: 08-Feb-94
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Well/Boring:	04-04
Sample ID:	PS-04-061
Sample Date:	05/04/87
Top Depth (ft):	0.0
Bottom Depth (ft):	20.0

Parameters	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	J	2700	UG/KG	J
NITROBENZENE	U	450	UG/KG	UJ
PENTACHLOROPHENOL	U	2300	UG/KG	UJ
PHENANTHRENE	J	16000	UG/KG	J
PHENOL	J	310	UG/KG	J
PYRENE		4100	UG/KG	J
1,1,1-TRICHLOROETHANE	J	120	UG/KG	J
1,1,2,2-TETRACHLOROETHANE	U	200	UG/KG	U
1,1,2-TRICHLOROETHANE	U	200	UG/KG	U
1,1-DICHLOROETHANE	U	200	UG/KG	UJ
1,1-DICHLOROETHENE	U	200	UG/KG	U
1,2-DICHLOROETHANE	U	200	UG/KG	U
1,2-DICHLOROETHENE	U	200	UG/KG	U
1,2-DICHLOROPROPANE	U	200	UG/KG	U
1,2-DICHLOROPROPENE				
1,3-DICHLOROPROPENE	U	200	UG/KG	U
1,3-DICHLOROPROPYLENE				
2-BUTANONE	J	100	UG/KG	J
2-CHLOROETHYL VINYL ETHER	U	400	UG/KG	U
2-HEXANONE	U	400	UG/KG	U
4-METHYL-2-PENTANONE	U	400	UG/KG	U
4-METHYLPHENOLPROPHYL ETHER				

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Characterization Investigation Study - Pit 4
Pit Material Organic Results

Well/Boring:	04-01				04-02				04-02				04-03			
Sample ID:	PS-04-001				PS-04-021				PS-04-022				PS-04-038			
Sample Date:	04/21/87				04/22/87				04/22/87				04/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	20.0				20.0				20.0				20.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	J	350	UG/KG	J	B	580	UG/KG	U					BJ	630	UG/KG	U
ACROLEIN																
ACRYLONITRILE																
BENZENE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
BROMODICHLOROMETHANE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
BROMOFORM	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
BROMOMETHANE	U	640	UG/KG	UJ	U	560	UG/KG	U					U	630	UG/KG	U
BUTANOIC ACID, METHYL ESTER																
CARBON DISULFIDE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
CARBON TETRACHLORIDE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
CHLOROBENZENE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
CHLOROETHANE	U	640	UG/KG	U	U	560	UG/KG	U					U	630	UG/KG	U
CHLOROFORM	J	85	UG/KG	J		430	UG/KG	-						1300	UG/KG	-
CHLOROMETHANE	U	640	UG/KG	UJ	U	560	UG/KG	UJ					U	630	UG/KG	UJ
DIBROMOCHLOROMETHANE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
DICHLORODIFLUOROMETHANE																
ETHYLBENZENE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
METHYLENE CHLORIDE	BJ	230	UG/KG	J	B	2200	UG/KG	J					B	710	UG/KG	J
STYRENE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U
TETRACHLOROETHENE	U	320	UG/KG	U		530	UG/KG	-					U	320	UG/KG	U
TOLUENE	U	320	UG/KG	U	U	280	UG/KG	U					J	67	UG/KG	J
TOTAL XYLENE	U	320	UG/KG	U	U	280	UG/KG	U					U	320	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Well/Boring:	04-04
Sample ID:	PS-04-061
Sample Date:	05/04/87
Top Depth (ft):	0.0
Bottom Depth (ft):	20.0

Parameters	LQ	Result	Unit	VQ TCLP
ACETONE	BJ	400	UG/KG	UJ
ACROLEIN				
ACRYLONITRILE				
BENZENE	U	200	UG/KG	U
BROMODICHLOROMETHANE	U	200	UG/KG	U
BROMOFORM	U	200	UG/KG	UJ
BROMOMETHANE	U	400	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER				
CARBON DISULFIDE	U	200	UG/KG	U
CARBON TETRACHLORIDE	U	200	UG/KG	UJ
CHLOROBENZENE	U	200	UG/KG	U
CHLOROETHANE	U	400	UG/KG	UJ
CHLOROFORM	J	40	UG/KG	J
CHLOROMETHANE	U	400	UG/KG	U
DIBROMOCHLOROMETHANE	U	200	UG/KG	U
DICHLORODIFLUOROMETHANE				
ETHYLBENZENE	U	200	UG/KG	U
METHYLENE CHLORIDE	BJ	200	UG/KG	UJ
STYRENE	U	200	UG/KG	U
TETRACHLOROETHENE		48000	UG/KG	R
TOLUENE	J	60	UG/KG	J
TOTAL XYLENE	U	200	UG/KG	U

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Characterization Investigation Study - Pit 4
Pit Material Organic Results

Well/Boring:	04-01				04-02				04-02				04-03		
Sample ID:	PS-04-001				PS-04-021				PS-04-022				PS-04-038		
Sample Date:	04/21/87				04/22/87				04/22/87				04/24/87		
Top Depth (ft):	0.0				0.0				0.0				0.0		
Bottom Depth (ft):	20.0				20.0				20.0				20.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
TRANS-1,2-DICHLOROETHENE	U	320	UG/KG	U U	280	UG/KG	U				U	320	UG/KG	U	
TRICHLOROETHENE	U	320	UG/KG	U U	280	UG/KG	U				U	320	UG/KG	U	
VINYL ACETATE	U	640	UG/KG	UJ U	560	UG/KG	UJ				U	630	UG/KG	UJ	
VINYL CHLORIDE	U	640	UG/KG	U U	560	UG/KG	U				U	630	UG/KG	U	

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Well/Boring:	04-04
Sample ID:	PS-04-061
Sample Date:	05/04/87
Top Depth (ft):	0.0
Bottom Depth (ft):	20.0

Parameters	LQ	Result	Unit	VQ TCLP
TRANS-1,2-DICHLOROETHENE	J	60	UG/KG	J
TRICHLOROETHENE		300	UG/KG	-
VINYL ACETATE	U	400	UG/KG	U
VINYL CHLORIDE	U	400	UG/KG	U

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Well/Boring:	1775				1775				1775				1775		
Sample ID:	063830				063847				063850				063852		
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91		
Top Depth (ft):	18.5				29.5				10				19		
Bottom Depth (ft):	19				30				19				30		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2,3,4,6,7,8-HpCDD										1.7	UG/KG	-		1.3	UG/KG	-
1,2,3,4,6,7,8-HpCDF										1.2	UG/KG	-		.56	UG/KG	J
1,2,3,4,7,8,9-Heptachlorodiben										.23	UG/KG	-		.17	UG/KG	J
1,2,3,4,7,8-Hexachlorodibenzo-									U	.26	UG/KG	U		.06	UG/KG	J
1,2,3,4,7,8-Hexachlorodibenzof										.99	UG/KG	J		.5	UG/KG	-
1,2,3,6,7,8-Hexachlorodibenzo-										.16	UG/KG	-		.077	UG/KG	-
1,2,3,6,7,8-Hexachlorodibenzof										.32	UG/KG	-		.18	UG/KG	-
1,2,3,7,8,9-Hexachlorodibenzo-										.22	UG/KG	J		.1	UG/KG	-
1,2,3,7,8,9-Hexachlorodibenzof										.24	UG/KG	-		.21	UG/KG	-
1,2,3,7,8-Pentachlorodibenzo-p									U	.18	UG/KG	UJ	U	.31	UG/KG	UJ
1,2,3,7,8-Pentachlorodibenzofu										.62	UG/KG	J		.68	UG/KG	-
2,3,4,6,7,8-Hexachlorodibenzof										.27	UG/KG	J		.28	UG/KG	-
2,3,4,7,8-Pentachlorodibenzofu										.77	UG/KG	J		.87	UG/KG	-
2,3,7,8-TCDD									U	.32	UG/KG	U	U	.32	UG/KG	U
2,3,7,8-TCDF										3.5	UG/KG	-		4.8	UG/KG	-
Heptachlorodibenzo-p-dioxin										2.8	UG/KG	-		2.2	UG/KG	-
Heptachlorodibenzofuran										2.6	UG/KG	-		1.2	UG/KG	J
Hexachlorodibenzo-p-dioxin										.94	UG/KG	J		.73	UG/KG	-
Hexachlorodibenzofuran										3.5	UG/KG	J		2.1	UG/KG	-
Octachlorodibenzo-p-dioxin										9	UG/KG	-		5	UG/KG	-
Octachlorodibenzofuran										.96	UG/KG	-		.82	UG/KG	-

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Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1774				1774				1774				1773			
Sample ID:		063709				063710				063711				063742			
Sample Date:		27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91			
Top Depth (ft):		10				20				0				8.5			
Bottom Depth (ft):		20				31.5				31.5				9			
1,2,3,4,6,7,8-HpCDD	U	2	UG/KG	U		1.2	UG/KG	UJ									
1,2,3,4,6,7,8-HpCDF		3.2	UG/KG	J		.95	UG/KG	J									
1,2,3,4,7,8,9-Heptachlorodiben		2.4	UG/KG	J	U	1.3	UG/KG	U									
1,2,3,4,7,8-Hexachlorodibenzo-	U	2.2	UG/KG	U	U	.75	UG/KG	U									
1,2,3,4,7,8-Hexachlorodibenzof		2.9	UG/KG	J		.9	UG/KG	-									
1,2,3,6,7,8-Hexachlorodibenzo-	U	1.8	UG/KG	U	U	.6	UG/KG	U									
1,2,3,6,7,8-Hexachlorodibenzof		1.1	UG/KG	J		.9	UG/KG	J									
1,2,3,7,8,9-Hexachlorodibenzo-	U	1.4	UG/KG	U	U	.6	UG/KG	U									
1,2,3,7,8,9-Hexachlorodibenzof	U	2.9	UG/KG	UJ		.75	UG/KG	-									
1,2,3,7,8-Pentachlorodibenzo-p	U	.8	UG/KG	U	U	.33	UG/KG	UJ									
1,2,3,7,8-Pentachlorodibenzofu		2.1	UG/KG	J		.8	UG/KG	J									
2,3,4,6,7,8-Hexachlorodibenzof		1.2	UG/KG	J		.65	UG/KG	-									
2,3,4,7,8-Pentachlorodibenzofu		2.7	UG/KG	J		.8	UG/KG	J									
2,3,7,8-TCDD	U	.8	UG/KG	U	U	.35	UG/KG	U									
2,3,7,8-TCDF		9.9	UG/KG	-		4.6	UG/KG	-									
Heptachlorodibenzo-p-dioxin		1.6	UG/KG	U		2.3	UG/KG	-									
Heptachlorodibenzofuran		4.4	UG/KG	J		1.7	UG/KG	J									
Hexachlorodibenzo-p-dioxin		2.7	UG/KG	J		1.6	UG/KG	-									
Hexachlorodibenzofuran		8.5	UG/KG	J		2.2	UG/KG	J									
Octachlorodibenzo-p-dioxin		3.2	UG/KG	J	U	2.3	UG/KG	UJ									
Octachlorodibenzofuran		4.9	UG/KG	J	U	3.3	UG/KG	UJ									

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1773				1773				1773				1773		
Sample ID:		063753				063754				063778				063782		
Sample Date:		05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91		
Top Depth (ft):		15.5				16				30				9		
Bottom Depth (ft):		16				16.5				30.5				18		
1,2,3,4,6,7,8-HpCDD														2.6	UG/KG	-
1,2,3,4,6,7,8-HpCDF													U	1.1	UG/KG	U
1,2,3,4,7,8,9-Heptachlorodiben													U	2.9	UG/KG	U
1,2,3,4,7,8-Hexachlorodibenzo-													U	.71	UG/KG	U
1,2,3,4,7,8-Hexachlorodibenzof													U	.82	UG/KG	U
1,2,3,6,7,8-Hexachlorodibenzo-													U	.56	UG/KG	U
1,2,3,6,7,8-Hexachlorodibenzof													U	.73	UG/KG	U
1,2,3,7,8,9-Hexachlorodibenzo-													U	.59	UG/KG	U
1,2,3,7,8,9-Hexachlorodibenzof													U	1.8	UG/KG	U
1,2,3,7,8-Pentachlorodibenzo-p													U	.95	UG/KG	UJ
1,2,3,7,8-Pentachlorodibenzofu													U	1.4	UG/KG	UJ
2,3,4,6,7,8-Hexachlorodibenzof													U	.86	UG/KG	U
2,3,4,7,8-Pentachlorodibenzofu													U	1.5	UG/KG	UJ
2,3,7,8-TCDD													U	1	UG/KG	U
2,3,7,8-TCDF													U	1.5	UG/KG	U
Heptachlorodibenzo-p-dioxin														4	UG/KG	-
Heptachlorodibenzofuran													U	4.1	UG/KG	U
Hexachlorodibenzo-p-dioxin													U	.62	UG/KG	U
Hexachlorodibenzofuran													U	1.6	UG/KG	U
Octachlorodibenzo-p-dioxin														5	UG/KG	J
Octachlorodibenzofuran													U	8	UG/KG	U

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Well/Boring:	1773				1773				1775				1775		
Sample ID:	063785				063787				063815				063829		
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91		
Top Depth (ft):	18				0				7.5				18		
Bottom Depth (ft):	31				31				8				18.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
1,2,3,4,6,7,8-HpCDD		.37	UG/KG	-											
1,2,3,4,6,7,8-HpCDF		.44	UG/KG	-											
1,2,3,4,7,8,9-Heptachlorodiben	U	.38	UG/KG	U											
1,2,3,4,7,8-Hexachlorodibenzo-	U	.54	UG/KG	U											
1,2,3,4,7,8-Hexachlorodibenzof		.37	UG/KG	-											
1,2,3,6,7,8-Hexachlorodibenzo-	U	.43	UG/KG	U											
1,2,3,6,7,8-Hexachlorodibenzof		.12	UG/KG	-											
1,2,3,7,8,9-Hexachlorodibenzo-	U	.45	UG/KG	U											
1,2,3,7,8,9-Hexachlorodibenzof	U	.37	UG/KG	U											
1,2,3,7,8-Pentachlorodibenzo-p	U	.32	UG/KG	UJ											
1,2,3,7,8-Pentachlorodibenzofu		.57	UG/KG	J											
2,3,4,6,7,8-Hexachlorodibenzof	U	.34	UG/KG	U											
2,3,4,7,8-Pentachlorodibenzofu		.68	UG/KG	J											
2,3,7,8-TCDD	U	.59	UG/KG	U											
2,3,7,8-TCDF		3.4	UG/KG	-											
Heptachlorodibenzo-p-dioxin		.67	UG/KG	-											
Heptachlorodibenzofuran		.95	UG/KG	-											
Hexachlorodibenzo-p-dioxin	U	.47	UG/KG	U											
Hexachlorodibenzofuran		1.4	UG/KG	-											
Octachlorodibenzo-p-dioxin		1.3	UG/KG	-											
Octachlorodibenzofuran		.4	UG/KG	-											

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Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1774				1774				1774				1774			
Sample ID:		063669				063685				063686				063705			
Sample Date:		26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91			
Top Depth (ft):		9.5				19				19.5				30.5			
Bottom Depth (ft):		10				19.5				20				31			
Pentachlorodibenzo-p-dioxin																	
Pentachlorodibenzofuran																	
Tetrachlorodibenzo-p-dioxin																	
Tetrachlorodibenzofuran																	
2,4,5-T																	
2,4,5-TP (Silvex)																	
2,4-D																	
Dinoseb					U	1600	UG/KG	UJ									
Sulfotepp					U	780	UG/KG	R									
Azinphosmethyl																	
Demeton																	
Diazinon																	
Dimethoate																	
Disulfoton																	
Ethion																	
Famphur																	
Malathion																	
Parathion, ethyl																	
Parathion, methyl																	
Tetraethylpyrophosphate																	
Thionazin																	

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Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin	U	.8	UG/KG	UJ	U	.33	UG/KG	UJ								
Pentachlorodibenzofuran		15.3	UG/KG	J		4	UG/KG	J								
Tetrachlorodibenzo-p-dioxin		.47	UG/KG	J	U	.43	UG/KG	U								
Tetrachlorodibenzofuran		34.1	UG/KG	J		15	UG/KG	J								
2,4,5-T	U	47	UG/KG	U												
2,4,5-TP (Silvex)	U	44	UG/KG	U												
2,4-D	U	240	UG/KG	U												
Dinoseb	U	17	UG/KG	U												
Sulfotepp	U	600	UG/KG	U												
Azinphosmethyl	U	100	UG/KG	U												
Demeton	U	200	UG/KG	U												
Diazinon	U	100	UG/KG	U												
Dimethoate	U	600	UG/KG	U												
Disulfoton	U	600	UG/KG	U												
Ethion	U	100	UG/KG	U												
Famphur	U	600	UG/KG	U												
Malathion	U	100	UG/KG	U												
Parathion, ethyl	U	600	UG/KG	U												
Parathion, methyl	U	600	UG/KG	U												
Tetraethylpyrophosphate	U	400	UG/KG	U												
Thionazin	U	600	UG/KG	U												

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Well/Boring:	1773				1773				1773				1773		
Sample ID:	063753				063754				063778				063782		
Sample Date:	05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91		
Top Depth (ft):	15.5				16				30				9		
Bottom Depth (ft):	16				16.5				30.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin													U	1.2	UG/KG	UJ
Pentachlorodibenzofuran													U	1.5	UG/KG	UJ
Tetrachlorodibenzo-p-dioxin													U	.28	UG/KG	U
Tetrachlorodibenzofuran														1.1	UG/KG	J
2,4,5-T													U	48	UG/KG	U
2,4,5-TP (Silvex)													U	43	UG/KG	U
2,4-D													U	240	UG/KG	U
Dinoseb					U	1600	UG/KG	U					U	17	UG/KG	U
Sulfotepp					U	800	UG/KG	U					U	500	UG/KG	U
Azinphosmethyl													U	100	UG/KG	U
Demeton													U	200	UG/KG	U
Diazinon													U	100	UG/KG	U
Dimethoate													U	500	UG/KG	U
Disulfoton													U	500	UG/KG	U
Ethion													U	100	UG/KG	U
Famphur													U	500	UG/KG	U
Malathion													U	100	UG/KG	U
Parathion, ethyl													U	500	UG/KG	U
Parathion, methyl													U	500	UG/KG	U
Tetraethylpyrophosphate													U	400	UG/KG	U
Thionazin													U	500	UG/KG	U

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1991 RI/FS - Pit 4
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:		1773			1773			1775			1775		
Sample ID:		063785			063787			063815			063829		
Sample Date:		06-SEP-91			06-SEP-91			09-SEP-91			09-SEP-91		
Top Depth (ft):		18			0			7.5			18		
Bottom Depth (ft):		31			31			8			18.5		
Pentachlorodibenzo-p-dioxin	U	.32	UG/KG	UJ									
Pentachlorodibenzofuran		3.3	UG/KG	J									
Tetrachlorodibenzo-p-dioxin		.092	UG/KG	J									
Tetrachlorodibenzofuran		13.9	UG/KG	J									
2,4,5-T													
2,4,5-TP (Silvex)													
2,4-D													
Dinoseb										U	1900	UG/KG	U
Sulfotepp										U	920	UG/KG	U
Azinphosmethyl													
Demeton													
Diazinon													
Dimethoate													
Disulfoton													
Ethion													
Famphur													
Malathion													
Parathion, ethyl													
Parathion, methyl													
Tetraethylpyrophosphate													
Thionazin													

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TCLP = Toxicity Characteristic Leaching Procedure
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Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775			
Sample ID:	063830				063847				063850				063852			
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91			
Top Depth (ft):	18.5				29.5				10				19			
Bottom Depth (ft):	19				30				19				30			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin									U	.25	UG/KG	UJ	U	.31	UG/KG	UJ
Pentachlorodibenzofuran										3.9	UG/KG	J		4.1	UG/KG	-
Tetrachlorodibenzo-p-dioxin									U	.2	UG/KG	U	U	.37	UG/KG	U
Tetrachlorodibenzofuran										14.9	UG/KG	-		13.4	UG/KG	-
2,4,5-T									U	54	UG/KG	U				
2,4,5-TP (Silvex)									U	50	UG/KG	U				
2,4-D									U	280	UG/KG	U				
Dinoseb									U	20	UG/KG	U				
Sulfotepp									U	100	UG/KG	U				
Azinphosmethyl									U	100	UG/KG	U				
Demeton									U	200	UG/KG	U				
Diazinon									U	100	UG/KG	U				
Dimethoate									U	100	UG/KG	U				
Disulfoton									U	100	UG/KG	U				
Ethion									U	100	UG/KG	U				
Famphur									U	100	UG/KG	U				
Malathion									U	100	UG/KG	U				
Parathion, ethyl									U	100	UG/KG	U				
Parathion, methyl									U	100	UG/KG	U				
Tetraethylpyrophosphate									U	400	UG/KG	U				
Thionazin									U	100	UG/KG	U				

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1774				1774				1774				1773		
Sample ID:		063709				063710				063711				063742		
Sample Date:		27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):		10				20				0				8.5		
Bottom Depth (ft):		20				31.5				31.5				9		
4,4-DDD	U	200	UG/KG	R	U	200	UG/KG	R								
4,4-DDE	U	200	UG/KG	R	U	200	UG/KG	R								
4,4-DDT	U	200	UG/KG	U	U	200	UG/KG	UJ								
Aldrin	U	100	UG/KG	R	U	100	UG/KG	R								
Aroclor-1016	U	1000	UG/KG	U	U	1000	UG/KG	UJ								
Aroclor-1221	U	1000	UG/KG	U	U	1000	UG/KG	UJ								
Aroclor-1232	U	1000	UG/KG	U	U	1000	UG/KG	UJ								
Aroclor-1242	U	1000	UG/KG	U	U	1000	UG/KG	UJ								
Aroclor-1248	DX	7500	UG/KG	-	DX	6300	UG/KG	-								
Aroclor-1254	U	2000	UG/KG	U	U	2000	UG/KG	UJ								
Aroclor-1260	U	2000	UG/KG	U	U	2000	UG/KG	UJ								
Dieldrin	U	200	UG/KG	R	U	200	UG/KG	R								
Endosulfan II	U	200	UG/KG	R	U	200	UG/KG	R								
Endosulfan sulfate	U	200	UG/KG	R	U	200	UG/KG	R								
Endosulfan-I	U	100	UG/KG	R	U	100	UG/KG	R								
Endrin	U	200	UG/KG	R	U	200	UG/KG	R								
Endrin ketone	U	200	UG/KG	U	U	200	UG/KG	UJ								
Heptachlor	U	100	UG/KG	R	U	100	UG/KG	R								
Heptachlor epoxide	U	100	UG/KG	R	U	100	UG/KG	R								
Isodrin	U	100	UG/KG	U												
Kepone	U	200	UG/KG	U												

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1991 RI/FS - Pit 4
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1773					1773					1773					1773			
Sample ID:		063753					063754					063778					063782			
Sample Date:		05-SEP-91					05-SEP-91					05-SEP-91					06-SEP-91			
Top Depth (ft):		15.5					16					30					9			
Bottom Depth (ft):		16					16.5					30.5					18			
4,4-DDD																U	62	UG/KG	U	
4,4-DDE																U	62	UG/KG	U	
4,4-DDT																U	62	UG/KG	U	
Aldrin																U	31	UG/KG	U	
Aroclor-1016																U	310	UG/KG	U	
Aroclor-1221																U	310	UG/KG	U	
Aroclor-1232																U	310	UG/KG	U	
Aroclor-1242																U	310	UG/KG	U	
Aroclor-1248																U	310	UG/KG	U	
Aroclor-1254																XF	770	UG/KG	-	
Aroclor-1260																U	620	UG/KG	U	
Dieldrin																U	62	UG/KG	U	
Endosulfan II																U	62	UG/KG	U	
Endosulfan sulfate																U	62	UG/KG	U	
Endosulfan-I																U	31	UG/KG	U	
Endrin																U	62	UG/KG	U	
Endrin ketone																U	62	UG/KG	U	
Heptachlor																U	31	UG/KG	U	
Heptachlor epoxide																U	31	UG/KG	U	
Isodrin																U	31	UG/KG	U	
Kepone																U	62	UG/KG	U	

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1991 RI/FS - Pit 4
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1773				1773				1775				1775			
Sample ID:		063785				063787				063815				063829			
Sample Date:		06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):		18				0				7.5				18			
Bottom Depth (ft):		31				31				8				18.5			
4,4-DDD	U	210	UG/KG	U													
4,4-DDE	U	210	UG/KG	U													
4,4-DDT	U	210	UG/KG	U													
Aldrin	U	110	UG/KG	U													
Aroclor-1016	U	1100	UG/KG	U													
Aroclor-1221	U	1100	UG/KG	U													
Aroclor-1232	U	1100	UG/KG	U													
Aroclor-1242	U	1100	UG/KG	U													
Aroclor-1248	U	1100	UG/KG	U													
Aroclor-1254	X	3500	UG/KG	U													
Aroclor-1260	U	2100	UG/KG	U													
Dieldrin	U	210	UG/KG	U													
Endosulfan II	U	210	UG/KG	U													
Endosulfan sulfate	U	210	UG/KG	U													
Endosulfan-I	U	110	UG/KG	U													
Endrin	U	210	UG/KG	U													
Endrin ketone	U	210	UG/KG	U													
Heptachlor	U	110	UG/KG	U													
Heptachlor epoxide	U	110	UG/KG	U													
Isodrin																	
Kepone																	

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775			
Sample ID:	063830				063847				063850				063852			
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91			
Top Depth (ft):	18.5				29.5				10				19			
Bottom Depth (ft):	19				30				19				30			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD									U	220	UG/KG	U	U	700	UG/KG	U
4,4-DDE									U	220	UG/KG	U	U	700	UG/KG	U
4,4-DDT									U	220	UG/KG	U	U	700	UG/KG	U
Aldrin									U	110	UG/KG	U	U	350	UG/KG	U
Aroclor-1016									U	1100	UG/KG	U	U	3500	UG/KG	U
Aroclor-1221									U	1100	UG/KG	U	U	3500	UG/KG	U
Aroclor-1232									U	1100	UG/KG	U	U	3500	UG/KG	U
Aroclor-1242									U	1100	UG/KG	U	U	3500	UG/KG	U
Aroclor-1248									X	1200	UG/KG	-	X	4300	UG/KG	-
Aroclor-1254									X	2500	UG/KG	-	JX	6800	UG/KG	J
Aroclor-1260									U	2200	UG/KG	U	U	7000	UG/KG	U
Dieldrin									U	220	UG/KG	U	U	700	UG/KG	U
Endosulfan II									U	220	UG/KG	U	U	700	UG/KG	U
Endosulfan sulfate									U	220	UG/KG	U	U	700	UG/KG	U
Endosulfan-I									U	110	UG/KG	U	U	350	UG/KG	U
Endrin									U	220	UG/KG	U	U	700	UG/KG	U
Endrin ketone									U	220	UG/KG	U	U	700	UG/KG	U
Heptachlor									U	110	UG/KG	U	U	350	UG/KG	U
Heptachlor epoxide									U	110	UG/KG	U	U	350	UG/KG	U
Isodrin									U	110	UG/KG	U				
Kepone									U	220	UG/KG	U				

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774		
Sample ID:	063669				063685				063686				063705		
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):	9.5				19				19.5				30.5		
Bottom Depth (ft):	10				19.5				20				31		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor																
Toxaphene																
alpha-BHC																
alpha-Chlordane																
beta-BHC																
delta-BHC																
gamma-BHC (Lindane)																
gamma-Chlordane																
1,2,4,5-Tetrachlorobenzene					U	780	UG/KG	UJ								
1,2,4-Trichlorobenzene					U	780	UG/KG	UJ								
1,2-Dichlorobenzene					U	780	UG/KG	UJ								
1,3,5-Trinitrobenzene					U	780	UG/KG	R								
1,3-Dichlorobenzene					U	780	UG/KG	UJ								
1,3-Dinitrobenzene					U	780	UG/KG	UJ								
1,4-Dichlorobenzene					U	780	UG/KG	UJ								
1,4-Naphthoquinone					U	780	UG/KG	R								
1-Naphthylamine					U	9500	UG/KG	UJ								
2,3,4,6-Tetrachlorophenol					U	780	UG/KG	UJ								
2,4,5-Trichlorophenol					U	3800	UG/KG	UJ								
2,4,6-Trichlorophenol					U	780	UG/KG	UJ								
2,4-Dichlorophenol					J	230	UG/KG	J								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor	U	1000	UG/KG	U	U	1000	UG/KG	UJ								
Toxaphene	U	2000	UG/KG	U	U	2000	UG/KG	UJ								
alpha-BHC	U	100	UG/KG	R	U	100	UG/KG	R								
alpha-Chlordane	U	1000	UG/KG	U	U	1000	UG/KG	UJ								
beta-BHC	U	100	UG/KG	R	U	100	UG/KG	R								
delta-BHC	U	100	UG/KG	R	U	100	UG/KG	R								
gamma-BHC (Lindane)	U	100	UG/KG	R	U	100	UG/KG	R								
gamma-Chlordane	U	1000	UG/KG	U	U	1000	UG/KG	UJ								
1,2,4,5-Tetrachlorobenzene																
1,2,4-Trichlorobenzene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
1,2-Dichlorobenzene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
1,3,5-Trinitrobenzene																
1,3-Dichlorobenzene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
1,3-Dinitrobenzene																
1,4-Dichlorobenzene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
1,4-Naphthoquinone																
1-Naphthylamine																
2,3,4,6-Tetrachlorophenol																
2,4,5-Trichlorophenol	U	1900	UG/KG	UJ	U	2000	UG/KG	UJ								
2,4,6-Trichlorophenol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2,4-Dichlorophenol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1773				1773				1773				1773		
Sample ID:		063753				063754				063778				063782		
Sample Date:		05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91		
Top Depth (ft):		15.5				16				30				9		
Bottom Depth (ft):		16				16.5				30.5				18		
Methoxychlor													U	310	UG/KG	U
Toxaphene													U	620	UG/KG	U
alpha-BHC													U	31	UG/KG	U
alpha-Chlordane													U	310	UG/KG	U
beta-BHC													U	31	UG/KG	U
delta-BHC													U	31	UG/KG	U
gamma-BHC (Lindane)													U	31	UG/KG	U
gamma-Chlordane													U	310	UG/KG	U
1,2,4,5-Tetrachlorobenzene					U	800	UG/KG	UJ								
1,2,4-Trichlorobenzene					U	800	UG/KG	U					U	430	UG/KG	U
1,2-Dichlorobenzene					U	800	UG/KG	U					U	430	UG/KG	U
1,3,5-Trinitrobenzene					U	800	UG/KG	R								
1,3-Dichlorobenzene					U	800	UG/KG	U					U	430	UG/KG	U
1,3-Dinitrobenzene					U	800	UG/KG	U								
1,4-Dichlorobenzene					U	800	UG/KG	U					U	430	UG/KG	U
1,4-Naphthoquinone					U	800	UG/KG	UJ								
1-Naphthylamine					U	9700	UG/KG	U								
2,3,4,6-Tetrachlorophenol					U	800	UG/KG	U								
2,4,5-Trichlorophenol					U	3900	UG/KG	U					U	2100	UG/KG	U
2,4,6-Trichlorophenol					U	800	UG/KG	U					U	430	UG/KG	U
2,4-Dichlorophenol					U	800	UG/KG	U					U	430	UG/KG	U

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773			1775			1775		
Sample ID:	063785				063787			063815			063829		
Sample Date:	06-SEP-91				06-SEP-91			09-SEP-91			09-SEP-91		
Top Depth (ft):	18				0			7.5			18		
Bottom Depth (ft):	31				31			8			18.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Methoxychlor	U	1100	UG/KG	U									
Toxaphene	U	2100	UG/KG	U									
alpha-BHC	U	110	UG/KG	U									
alpha-Chlordane	U	1100	UG/KG	U									
beta-BHC	U	110	UG/KG	U									
delta-BHC	U	110	UG/KG	U									
gamma-BHC (Lindane)	U	110	UG/KG	U									
gamma-Chlordane	U	1100	UG/KG	U									
1,2,4,5-Tetrachlorobenzene										U	920	UG/KG	UJ
1,2,4-Trichlorobenzene	U	430	UG/KG	U						U	920	UG/KG	U
1,2-Dichlorobenzene	U	430	UG/KG	U						U	920	UG/KG	U
1,3,5-Trinitrobenzene										U	920	UG/KG	R
1,3-Dichlorobenzene	U	430	UG/KG	U						U	920	UG/KG	U
1,3-Dinitrobenzene										U	920	UG/KG	UJ
1,4-Dichlorobenzene	U	430	UG/KG	U						U	920	UG/KG	U
1,4-Naphthoquinone										U	920	UG/KG	UJ
1-Naphthylamine										U	11000	UG/KG	U
2,3,4,6-Tetrachlorophenol										U	920	UG/KG	U
2,4,5-Trichlorophenol	U	2100	UG/KG	U						U	4400	UG/KG	U
2,4,6-Trichlorophenol	U	430	UG/KG	U						U	920	UG/KG	U
2,4-Dichlorophenol	U	430	UG/KG	U						U	920	UG/KG	U

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775			
Sample ID:	063830				063847				063850				063852			
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91			
Top Depth (ft):	18.5				29.5				10				19			
Bottom Depth (ft):	19				30				19				30			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor									U	1100	UG/KG	U	U	3500	UG/KG	U
Toxaphene									U	2200	UG/KG	U	U	7000	UG/KG	U
alpha-BHC									U	110	UG/KG	U	U	350	UG/KG	U
alpha-Chlordane									U	1100	UG/KG	U	U	3500	UG/KG	U
beta-BHC									U	110	UG/KG	U	U	350	UG/KG	U
delta-BHC									U	110	UG/KG	U	U	350	UG/KG	U
gamma-BHC (Lindane)									U	110	UG/KG	U	U	350	UG/KG	U
gamma-Chlordane									U	1100	UG/KG	U	U	3500	UG/KG	U
1,2,4,5-Tetrachlorobenzene																
1,2,4-Trichlorobenzene									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
1,2-Dichlorobenzene									U	2300	UG/KG	U	U	480	UG/KG	UJ
1,3,5-Trinitrobenzene																
1,3-Dichlorobenzene									U	2300	UG/KG	U	U	480	UG/KG	UJ
1,3-Dinitrobenzene																
1,4-Dichlorobenzene									U	2300	UG/KG	U	U	480	UG/KG	UJ
1,4-Naphthoquinone																
1-Naphthylamine																
2,3,4,6-Tetrachlorophenol																
2,4,5-Trichlorophenol									U	11000	UG/KG	U	UJ	2300	UG/KG	UJ
2,4,6-Trichlorophenol									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
2,4-Dichlorophenol									U	2300	UG/KG	U	UJ	480	UG/KG	UJ

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774		
Sample ID:	063669				063685				063686				063705		
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):	9.5				19				19.5				30.5		
Bottom Depth (ft):	10				19.5				20				31		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol					U	780	UG/KG	UJ								
2,4-Dinitrophenol					U	3800	UG/KG	UJ								
2,4-Dinitrotoluene					U	780	UG/KG	UJ								
2,6-Dichlorophenol					U	780	UG/KG	UJ								
2,6-Dinitrotoluene					U	780	UG/KG	UJ								
2-Acetylaminofluorene					U	780	UG/KG.	R								
2-Chloronaphthalene					U	780	UG/KG	UJ								
2-Chlorophenol					U	780	UG/KG	UJ								
2-Methylnaphthalene					U	780	UG/KG	UJ								
2-Methylphenol					U	780	UG/KG	UJ								
2-Naphthylamine					U	13000	UG/KG	UJ								
2-Nitroaniline					U	3800	UG/KG	UJ								
2-Nitrophenol					U	780	UG/KG	UJ								
2-Picoline					U	5400	UG/KG	UJ								
3,3'-Dichlorobenzidine					U	1600	UG/KG	UJ								
3,3'-Dimethylbenzidine					U	6400	UG/KG	UJ								
3-Methylcholanthrene					U	2400	UG/KG	R								
3-Methylphenol					U	780	UG/KG	UJ								
3-Nitroaniline					U	3800	UG/KG	UJ								
4,6-Dinitro-2-methylphenol					U	3800	UG/KG	UJ								
4-Aminobiphenyl					U	3900	UG/KG	UJ								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2,4-Dinitrophenol	J	47	UG/KG	J	U	2000	UG/KG	UJ								
2,4-Dinitrotoluene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2,6-Dichlorophenol																
2,6-Dinitrotoluene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2-Acetylaminofluorene																
2-Chloronaphthalene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2-Chlorophenol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2-Methylnaphthalene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2-Methylphenol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2-Naphthylamine																
2-Nitroaniline	U	1900	UG/KG	UJ	U	2000	UG/KG	UJ								
2-Nitrophenol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
2-Picoline																
3,3'-Dichlorobenzidine	U	800	UG/KG	UJ	U	820	UG/KG	UJ								
3,3'-Dimethylbenzidine																
3-Methylcholanthrene																
3-Methylphenol																
3-Nitroaniline	U	1900	UG/KG	R	U	2000	UG/KG	R								
4,6-Dinitro-2-methylphenol	U	1900	UG/KG	UJ	U	2000	UG/KG	UJ								
4-Aminobiphenyl																

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1773				1773			
Sample ID:	063753				063754				063778				063782			
Sample Date:	05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91			
Top Depth (ft):	15.5				16				30				9			
Bottom Depth (ft):	16				16.5				30.5				18			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol					U	800	UG/KG	U					U	430	UG/KG	U
2,4-Dinitrophenol					U	3900	UG/KG	U					U	2100	UG/KG	UJ
2,4-Dinitrotoluene					U	800	UG/KG	U					U	430	UG/KG	U
2,6-Dichlorophenol					U	800	UG/KG	U								
2,6-Dinitrotoluene					U	800	UG/KG	U					U	430	UG/KG	U
2-Acetylaminofluorene					U	800	UG/KG	UJ								
2-Chloronaphthalene					U	800	UG/KG	U					U	430	UG/KG	U
2-Chlorophenol					U	800	UG/KG	U					U	430	UG/KG	U
2-Methylnaphthalene					U	800	UG/KG	U					U	430	UG/KG	U
2-Methylphenol					U	800	UG/KG	U					U	430	UG/KG	U
2-Naphthylamine					U	14000	UG/KG	UJ								
2-Nitroaniline					U	3900	UG/KG	U					U	2100	UG/KG	U
2-Nitrophenol					U	800	UG/KG	U					U	430	UG/KG	U
2-Picoline					U	5600	UG/KG	U								
3,3'-Dichlorobenzidine					U	1600	UG/KG	U					U	850	UG/KG	U
3,3'-Dimethylbenzidine					U	6500	UG/KG	U								
3-Methylcholanthrene					U	2400	UG/KG	R								
3-Methylphenol					U	800	UG/KG	U								
3-Nitroaniline					U	3900	UG/KG	U					U	2100	UG/KG	UJ
4,6-Dinitro-2-methylphenol					U	3900	UG/KG	U					U	2100	UG/KG	U
4-Aminobiphenyl					U	4000	UG/KG	U								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol	U	430	UG/KG	U									U	920	UG/KG	U
2,4-Dinitrophenol	U	2100	UG/KG	UJ									U	4400	UG/KG	U
2,4-Dinitrotoluene	U	430	UG/KG	U									U	920	UG/KG	U
2,6-Dichlorophenol													U	920	UG/KG	U
2,6-Dinitrotoluene	U	430	UG/KG	U									U	920	UG/KG	U
2-Acetylaminofluorene													U	920	UG/KG	UJ
2-Chloronaphthalene	U	430	UG/KG	U									U	920	UG/KG	U
2-Chlorophenol	U	430	UG/KG	U									U	920	UG/KG	U
2-Methylnaphthalene	U	430	UG/KG	U									U	920	UG/KG	U
2-Methylphenol	U	430	UG/KG	U									U	920	UG/KG	U
2-Naphthylamine													U	16000	UG/KG	U
2-Nitroaniline	U	2100	UG/KG	U									U	4400	UG/KG	U
2-Nitrophenol	U	430	UG/KG	U									U	920	UG/KG	U
2-Picoline													U	6400	UG/KG	U
3,3'-Dichlorobenzidine	U	860	UG/KG	U									U	1800	UG/KG	U
3,3'-Dimethylbenzidine													U	7500	UG/KG	U
3-Methylcholanthrene													U	2800	UG/KG	R
3-Methylphenol													U	920	UG/KG	U
3-Nitroaniline	U	2100	UG/KG	UJ									U	4400	UG/KG	U
4,6-Dinitro-2-methylphenol	U	2100	UG/KG	U									U	4400	UG/KG	U
4-Aminobiphenyl													U	4600	UG/KG	U

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Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775		
Sample ID:	063830				063847				063850				063852		
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91		
Top Depth (ft):	18.5				29.5				10				19		
Bottom Depth (ft):	19				30				19				30		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
2,4-Dimethylphenol							U	2300	UG/KG	U	U	480	UG/KG	UJ	
2,4-Dinitrophenol							U	11000	UG/KG	U	UJ	2300	UG/KG	UJ	
2,4-Dinitrotoluene							U	2300	UG/KG	U	UJ	480	UG/KG	UJ	
2,6-Dichlorophenol															
2,6-Dinitrotoluene							U	2300	UG/KG	U	UJ	480	UG/KG	UJ	
2-Acetylaminofluorene															
2-Chloronaphthalene							U	2300	UG/KG	U	UJ	480	UG/KG	UJ	
2-Chlorophenol							U	2300	UG/KG	U	U	480	UG/KG	UJ	
2-Methylnaphthalene							J	480	UG/KG	-	J	260	UG/KG	J	
2-Methylphenol							U	2300	UG/KG	U	U	480	UG/KG	UJ	
2-Naphthylamine															
2-Nitroaniline							U	11000	UG/KG	U	UJ	2300	UG/KG	UJ	
2-Nitrophenol							U	2300	UG/KG	U	U	480	UG/KG	UJ	
2-Picoline															
3,3'-Dichlorobenzidine							U	4500	UG/KG	U	U	960	UG/KG	UJ	
3,3'-Dimethylbenzidine															
3-Methylcholanthrene															
3-Methylphenol															
3-Nitroaniline							U	11000	UG/KG	U	UJ	2300	UG/KG	UJ	
4,6-Dinitro-2-methylphenol							U	11000	UG/KG	U	U	2300	UG/KG	UJ	
4-Aminobiphenyl															

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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1774				1774				1774				1774		
Sample ID:		063669				063685				063686				063705		
Sample Date:		26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):		9.5				19				19.5				30.5		
Bottom Depth (ft):		10				19.5				20				31		
4-Bromophenyl phenyl ether					U	780	UG/KG	UJ								
4-Chloro-3-methylphenol					U	780	UG/KG	UJ								
4-Chloroaniline					U	780	UG/KG	UJ								
4-Chlorophenylphenyl ether					U	780	UG/KG	UJ								
4-Methylphenol					U	780	UG/KG	UJ								
4-Nitroaniline					U	3800	UG/KG	UJ								
4-Nitrophenol					U	3800	UG/KG	UJ								
4-Nitroquinoline-1-oxide					U	780	UG/KG	UJ								
5-Nitro-o-toluidine					U	1600	UG/KG	UJ								
7,12-Dimethylbenz(a)anthracene					U	1600	UG/KG	R								
Acenaphthene					U	780	UG/KG	UJ								
Acenaphthylene					U	780	UG/KG	UJ								
Acetophenone					U	780	UG/KG	UJ								
Aniline					U	4000	UG/KG	UJ								
Anthracene					U	780	UG/KG	UJ								
Aramite					U	780	UG/KG	R								
Benzo(a)anthracene					U	780	UG/KG	UJ								
Benzo(a)pyrene					U	780	UG/KG	UJ								
Benzo(b)fluoranthene					U	780	UG/KG	UJ								
Benzo(g,h,i)perylene					U	780	UG/KG	UJ								
Benzo(k)fluoranthene					U	780	UG/KG	UJ								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
4-Chloro-3-methylphenol	J	55	UG/KG	J	J	77	UG/KG	J								
4-Chloroaniline	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
4-Chlorophenylphenyl ether	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
4-Methylphenol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
4-Nitroaniline	U	1900	UG/KG	UJ	U	2000	UG/KG	UJ								
4-Nitrophenol	U	1900	UG/KG	UJ	U	2000	UG/KG	UJ								
4-Nitroquinoline-1-oxide																
5-Nitro-o-toluidine																
7,12-Dimethylbenz(a)anthracene																
Acenaphthene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Acenaphthylene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Acetophenone																
Aniline																
Anthracene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Aramite																
Benzo(a)anthracene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Benzo(a)pyrene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Benzo(b)fluoranthene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Benzo(g,h,i)perylene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Benzo(k)fluoranthene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								

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Well/Boring:	1773				1773				1773				1773			
Sample ID:	063753				063754				063778				063782			
Sample Date:	05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91			
Top Depth (ft):	15.5				16				30				9			
Bottom Depth (ft):	16				16.5				30.5				18			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether					U	800	UG/KG	U					U	430	UG/KG	U
4-Chloro-3-methylphenol					U	800	UG/KG	U					U	430	UG/KG	U
4-Chloroaniline					U	800	UG/KG	U					U	430	UG/KG	U
4-Chlorophenylphenyl ether					U	800	UG/KG	U					U	430	UG/KG	U
4-Methylphenol					U	800	UG/KG	U					U	430	UG/KG	U
4-Nitroaniline					U	3900	UG/KG	U					U	2100	UG/KG	U
4-Nitrophenol					U	3900	UG/KG	U					U	2100	UG/KG	U
4-Nitroquinoline-1-oxide					U	800	UG/KG	UJ								
5-Nitro-o-toluidine					U	1600	UG/KG	U								
7,12-Dimethylbenz(a)anthracene					U	1600	UG/KG	R								
Acenaphthene					U	800	UG/KG	U					U	430	UG/KG	U
Acenaphthylene					U	800	UG/KG	U					U	430	UG/KG	U
Acetophenone					U	800	UG/KG	U								
Aniline					U	4100	UG/KG	U								
Anthracene					U	800	UG/KG	U					U	430	UG/KG	U
Aramite					U	800	UG/KG	R								
Benzo(a)anthracene					U	800	UG/KG	U					U	430	UG/KG	U
Benzo(a)pyrene					U	800	UG/KG	U					U	430	UG/KG	U
Benzo(b)fluoranthene					U	800	UG/KG	U					U	430	UG/KG	U
Benzo(g,h,i)perylene					U	800	UG/KG	U					U	430	UG/KG	U
Benzo(k)fluoranthene					U	800	UG/KG	U					U	430	UG/KG	U

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Submittal Date: 08-Feb-94
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010707

1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775		
Sample ID:	063785				063787				063815				063829		
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91		
Top Depth (ft):	18				0				7.5				18		
Bottom Depth (ft):	31				31				8				18.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether	U	430	UG/KG	U									U	920	UG/KG	U
4-Chloro-3-methylphenol	U	430	UG/KG	U									U	920	UG/KG	U
4-Chloroaniline	U	430	UG/KG	U									U	920	UG/KG	U
4-Chlorophenylphenyl ether	U	430	UG/KG	U									U	920	UG/KG	U
4-Methylphenol	U	430	UG/KG	U									U	920	UG/KG	U
4-Nitroaniline	U	2100	UG/KG	U									U	4400	UG/KG	U
4-Nitrophenol	U	2100	UG/KG	U									U	4400	UG/KG	U
4-Nitroquinoline-1-oxide													U	920	UG/KG	UJ
5-Nitro-o-toluidine													U	1900	UG/KG	U
7,12-Dimethylbenz(a)anthracene													U	1900	UG/KG	R
Acenaphthene	U	430	UG/KG	U									U	920	UG/KG	U
Acenaphthylene	U	430	UG/KG	U									U	920	UG/KG	U
Acetophenone													U	920	UG/KG	U
Aniline													U	4700	UG/KG	U
Anthracene	U	430	UG/KG	U									U	920	UG/KG	U
Aramite													U	920	UG/KG	R
Benzo(a)anthracene	U	430	UG/KG	U									U	920	UG/KG	U
Benzo(a)pyrene	U	430	UG/KG	U									U	920	UG/KG	U
Benzo(b)fluoranthene	U	430	UG/KG	U									U	920	UG/KG	U
Benzo(g,h,i)perylene	U	430	UG/KG	U									U	920	UG/KG	U
Benzo(k)fluoranthene	U	430	UG/KG	U									U	920	UG/KG	U

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775			
Sample ID:	063830				063847				063850				063852			
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91			
Top Depth (ft):	18.5				29.5				10				19			
Bottom Depth (ft):	19				30				19				30			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether									U	2300	UG/KG	U	U	480	UG/KG	UJ
4-Chloro-3-methylphenol									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
4-Chloroaniline									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
4-Chlorophenylphenyl ether									U	2300	UG/KG	U	U	480	UG/KG	UJ
4-Methylphenol									U	2300	UG/KG	U	U	480	UG/KG	UJ
4-Nitroaniline									U	11000	UG/KG	UJ	U	2300	UG/KG	UJ
4-Nitrophenol									U	11000	UG/KG	U	UJ	2300	UG/KG	UJ
4-Nitroquinoline-1-oxide																
5-Nitro-o-toluidine																
7,12-Dimethylbenz(a)anthracene																
Acenaphthene									J	1900	UG/KG	-		1000	UG/KG	J
Acenaphthylene									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
Acetophenone																
Aniline																
Anthracene										2700	UG/KG	-		1200	UG/KG	J
Aramite																
Benzo(a)anthracene										4700	UG/KG	-		2500	UG/KG	J
Benzo(a)pyrene										2900	UG/KG	-		1600	UG/KG	J
Benzo(b)fluoranthene										5200	UG/KG	-		3600.	UG/KG	J
Benzo(g,h,i)perylene									U	2300	UG/KG	U		990	UG/KG	J
Benzo(k)fluoranthene									U	2300	UG/KG	U	U	480	UG/KG	UJ

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774		
Sample ID:	063669				063685				063686				063705		
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):	9.5				19				19.5				30.5		
Bottom Depth (ft):	10				19.5				20				31		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid					J	450	UG/KG	J								
Benzyl alcohol					U	780	UG/KG	UJ								
Butyl benzyl phthalate					U	780	UG/KG	UJ								
Chlorobenzilate																
Chrysene					U	780	UG/KG	UJ								
Di-n-butyl phthalate					J	150	UG/KG	J								
Di-n-octyl phthalate					U	780	UG/KG	UJ								
Diallate					U	780	UG/KG	R								
Dibenzo(a,h)anthracene					U	780	UG/KG	UJ								
Dibenzofuran					U	780	UG/KG	UJ								
Diethyl phthalate					J	89	UG/KG	J								
Dimethyl phthalate					U	780	UG/KG	UJ								
Dinoseb					U	1600	UG/KG	UJ								
Diphenylamine					U	780	UG/KG	UJ								
Ethyl methanesulfonate					U	780	UG/KG	UJ								
Fluoranthene					U	780	UG/KG	UJ								
Fluorene					U	780	UG/KG	UJ								
Hexachlorobenzene					U	780	UG/KG	UJ								
Hexachlorobutadiene					U	780	UG/KG	UJ								
Hexachlorocyclopentadiene					U	780	UG/KG	UJ								
Hexachloroethane					U	780	UG/KG	UJ								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid	J	560	UG/KG	J	J	580	UG/KG	J								
Benzyl alcohol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Butyl benzyl phthalate	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Chlorobenzilate	U	200	UG/KG	U												
Chrysene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Di-n-butyl phthalate	J	150	UG/KG	J	U	410	UG/KG	UJ								
Di-n-octyl phthalate	J	190	UG/KG	J	J	140	UG/KG	J								
Diallate																
Dibenzo(a,h)anthracene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Dibenzofuran	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Diethyl phthalate	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Dimethyl phthalate	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Dinoseb	U	17	UG/KG	U												
Diphenylamine																
Ethyl methanesulfonate																
Fluoranthene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Fluorene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Hexachlorobenzene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Hexachlorobutadiene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Hexachlorocyclopentadiene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Hexachloroethane	U	400	UG/KG	UJ	U	410	UG/KG	UJ								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1773				1773			
Sample ID:	063753				063754				063778				063782			
Sample Date:	05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91			
Top Depth (ft):	15.5				16				30				9			
Bottom Depth (ft):	16				16.5				30.5				18			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid					U	3900	UG/KG	U					J	160	UG/KG	U
Benzyl alcohol					U	800	UG/KG	U					U	430	UG/KG	U
Butyl benzyl phthalate					U	800	UG/KG	U					U	430	UG/KG	U
Chlorobenzilate													U	62	UG/KG	U
Chrysene					U	800	UG/KG	U					U	430	UG/KG	U
Di-n-butyl phthalate					U	800	UG/KG	U					U	430	UG/KG	U
Di-n-octyl phthalate					U	800	UG/KG	U						1000	UG/KG	-
Diallate					U	800	UG/KG	R								
Dibenzo(a,h)anthracene					U	800	UG/KG	U					U	430	UG/KG	U
Dibenzofuran					U	800	UG/KG	U					U	430	UG/KG	U
Diethyl phthalate					U	800	UG/KG	U					U	430	UG/KG	U
Dimethyl phthalate					U	800	UG/KG	U					U	430	UG/KG	U
Dinoseb					U	1600	UG/KG	U					U	17	UG/KG	U
Diphenylamine					U	800	UG/KG	UJ								
Ethyl methanesulfonate					U	800	UG/KG	U								
Fluoranthene					U	800	UG/KG	U					U	430	UG/KG	U
Fluorene					U	800	UG/KG	U					U	430	UG/KG	U
Hexachlorobenzene					U	800	UG/KG	U					U	430	UG/KG	U
Hexachlorobutadiene					U	800	UG/KG	U					U	430	UG/KG	U
Hexachlorocyclopentadiene					U	800	UG/KG	U					U	430	UG/KG	U
Hexachloroethane					U	800	UG/KG	U					U	430	UG/KG	U

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1991 RI/FS - Pit 4
Pit Material Organic Results

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Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid	J	120	UG/KG	J												
Benzyl alcohol	U	430	UG/KG	U									U	4400	UG/KG	U
Butyl benzyl phthalate	U	430	UG/KG	U									U	920	UG/KG	U
Chlorobenzilate													U	920	UG/KG	U
Chrysene	U	430	UG/KG	U												
Di-n-butyl phthalate	U	430	UG/KG	U									U	920	UG/KG	U
Di-n-octyl phthalate		560	UG/KG	-									U	920	UG/KG	U
Diallate													U	920	UG/KG	U
Dibenzo(a,h)anthracene	U	430	UG/KG	U									U	920	UG/KG	R
Dibenzofuran	U	430	UG/KG	U									U	920	UG/KG	U
Diethyl phthalate	U	430	UG/KG	U									U	920	UG/KG	U
Dimethyl phthalate	U	430	UG/KG	U									U	920	UG/KG	U
Dinoseb													U	920	UG/KG	U
Diphenylamine													U	1900	UG/KG	U
Ethyl methanesulfonate													U	920	UG/KG	UJ
Fluoranthene	U	430	UG/KG	U									U	920	UG/KG	U
Fluorene	U	430	UG/KG	U									U	920	UG/KG	U
Hexachlorobenzene	U	430	UG/KG	U									U	920	UG/KG	U
Hexachlorobutadiene	U	430	UG/KG	U									U	920	UG/KG	U
Hexachlorocyclopentadiene	U	430	UG/KG	U									U	920	UG/KG	U
Hexachloroethane	U	430	UG/KG	U									U	920	UG/KG	U
													U	920	UG/KG	U

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775		
Sample ID:	063830				063847				063850				063852		
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91		
Top Depth (ft):	18.5				29.5				10				19		
Bottom Depth (ft):	19				30				19				30		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid									J	400	UG/KG	-	J	230	UG/KG	J
Benzyl alcohol									U	2300	UG/KG	U	U	480	UG/KG	UJ
Butyl benzyl phthalate									U	2300	UG/KG	U	U	480	UG/KG	UJ
Chlorobenzilate									U	220	UG/KG	U				
Chrysene										3300	UG/KG	-		2400	UG/KG	J
Di-n-butyl phthalate									U	2300	UG/KG	U	U	480	UG/KG	UJ
Di-n-octyl phthalate									J	1000	UG/KG	-	J	400	UG/KG	J
Diallate																
Dibenzo(a,h)anthracene									U	2300	UG/KG	U	U	480	UG/KG	UJ
Dibenzofuran									J	1200	UG/KG	-		650	UG/KG	J
Diethyl phthalate									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
Dimethyl phthalate									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
Dinoseb									U	20	UG/KG	U				
Diphenylamine																
Ethyl methanesulfonate																
Fluoranthene										11000	UG/KG	-		4400	UG/KG	J
Fluorene									J	2000	UG/KG	-		1100	UG/KG	J
Hexachlorobenzene									U	2300	UG/KG	U	U	480	UG/KG	UJ
Hexachlorobutadiene									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
Hexachlorocyclopentadiene									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
Hexachloroethane									U	2300	UG/KG	U	U	480	UG/KG	UJ

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774		
Sample ID:	063669				063685				063686				063705		
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):	9.5				19				19.5				30.5		
Bottom Depth (ft):	10				19.5				20				31		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene					U	4000	UG/KG	R								
Hexachloropropene					U	1600	UG/KG	R								
Indeno(1,2,3-cd)pyrene					U	780	UG/KG	UJ								
Isophorone					U	780	UG/KG	UJ								
Isosafrole					U	780	UG/KG	UJ								
Methapyrilene					U	3100	UG/KG	R								
Methyl methanesulfonate					U	780	UG/KG	UJ								
N-Nitroso-di-n-propylamine					U	780	UG/KG	UJ								
N-Nitrosodi-n-butylamine					U	1600	UG/KG	UJ								
N-Nitrosodiethylamine					U	780	UG/KG	UJ								
N-Nitrosodimethylamine					U	780	UG/KG	UJ								
N-Nitrosodiphenylamine					U	780	UG/KG	UJ								
N-Nitrosomethylethylamine					U	780	UG/KG	UJ								
N-Nitrosomorpholine					U	780	UG/KG	UJ								
N-Nitrosopiperidine					U	780	UG/KG	UJ								
N-Nitrosopyrrolidine					U	780	UG/KG	UJ								
Naphthalene					U	780	UG/KG	UJ								
Nitrobenzene					U	780	UG/KG	UJ								
O,O,O-Triethylphosphorothioate					U	780	UG/KG	UJ								
Pentachlorobenzene					U	1600	UG/KG	UJ								
Pentachloroethane					U	1600	UG/KG	UJ								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene																
Hexachloropropene																
Indeno(1,2,3-cd)pyrene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Isophorone	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Isosafrole																
Methapyrilene																
Methyl methanesulfonate																
N-Nitroso-di-n-propylamine	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
N-Nitrosodi-n-butylamine																
N-Nitrosodiethylamine																
N-Nitrosodimethylamine																
N-Nitrosodiphenylamine	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
N-Nitrosomethylethylamine																
N-Nitrosomorpholine																
N-Nitrosopiperidine																
N-Nitrosopyrrolidine																
Naphthalene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Nitrobenzene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
O,O,O-Triethylphosphorothioate																
Pentachlorobenzene																
Pentachloroethane																

LQ = Laboratory Qualifier (See list at front of Appendices)
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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775		
Sample ID:	063785				063787				063815				063829		
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91		
Top Depth (ft):	18				0				7.5				18		
Bottom Depth (ft):	31				31				8				18.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene													U	4700	UG/KG	R
Hexachloropropene													U	1900	UG/KG	R
Indeno(1,2,3-cd)pyrene	U	430	UG/KG	U									U	920	UG/KG	U
Isophorone	U	430	UG/KG	U									U	920	UG/KG	U
Isosafrole													U	920	UG/KG	UJ
Methapyrilene													U	3700	UG/KG	R
Methyl methanesulfonate													U	920	UG/KG	U
N-Nitroso-di-n-propylamine	U	430	UG/KG	U									U	920	UG/KG	U
N-Nitrosodi-n-butylamine													U	1900	UG/KG	U
N-Nitrosodiethylamine													U	920	UG/KG	U
N-Nitrosodimethylamine													U	920	UG/KG	U
N-Nitrosodiphenylamine	U	430	UG/KG	U									U	920	UG/KG	U
N-Nitrosomethylethylamine													U	920	UG/KG	UJ
N-Nitrosomorpholine													U	920	UG/KG	U
N-Nitrosopiperidine													U	920	UG/KG	UJ
N-Nitrosopyrrolidine													U	920	UG/KG	U
Naphthalene	U	430	UG/KG	U									U	920	UG/KG	U
Nitrobenzene	U	430	UG/KG	U									U	920	UG/KG	U
O,O,O-Triethylphosphorothioate													U	1900	UG/KG	U
Pentachlorobenzene													U	1900	UG/KG	U
Pentachloroethane																

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775		
Sample ID:	063785				063787				063815				063829		
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91		
Top Depth (ft):	18				0				7.5				18		
Bottom Depth (ft):	31				31				8				18.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene													U	4700	UG/KG	R
Hexachloropropene													U	1900	UG/KG	R
Indeno(1,2,3-cd)pyrene	U	430	UG/KG	U									U	920	UG/KG	U
Isophorone	U	430	UG/KG	U									U	920	UG/KG	U
Isosafrole													U	920	UG/KG	UJ
Methapyrilene													U	3700	UG/KG	R
Methyl methanesulfonate													U	920	UG/KG	U
N-Nitroso-di-n-propylamine	U	430	UG/KG	U									U	920	UG/KG	U
N-Nitrosodi-n-butylamine													U	1900	UG/KG	U
N-Nitrosodiethylamine													U	920	UG/KG	U
N-Nitrosodimethylamine													U	920	UG/KG	U
N-Nitrosodiphenylamine	U	430	UG/KG	U									U	920	UG/KG	U
N-Nitrosomethylethylamine													U	920	UG/KG	U
N-Nitrosomorpholine													U	920	UG/KG	UJ
N-Nitrosopiperidine													U	920	UG/KG	U
N-Nitrosopyrrolidine													U	920	UG/KG	UJ
Naphthalene	U	430	UG/KG	U									U	920	UG/KG	U
Nitrobenzene	U	430	UG/KG	U									U	920	UG/KG	U
O,O,O-Triethylphosphorothioate													U	920	UG/KG	U
Pentachlorobenzene													U	1900	UG/KG	U
Pentachloroethane													U	1900	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775		
Sample ID:	063830				063847				063850				063852		
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91		
Top Depth (ft):	18.5				29.5				10				19		
Bottom Depth (ft):	19				30				19				30		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene																
Hexachloropropene																
Indeno(1,2,3-cd)pyrene									U	2300	UG/KG	U		990	UG/KG	J
Isophorone									U	2300	UG/KG	U	U	480	UG/KG	UJ
Isosafrole																
Methapyrilene																
Methyl methanesulfonate																
N-Nitroso-di-n-propylamine									U	2300	UG/KG	U	U	480	UG/KG	UJ
N-Nitrosodi-n-butylamine																
N-Nitrosodiethylamine																
N-Nitrosodimethylamine																
N-Nitrosodiphenylamine									U	2300	UG/KG	U	U	480	UG/KG	UJ
N-Nitrosomethylethylamine																
N-Nitrosomorpholine																
N-Nitrosopiperidine																
N-Nitrosopyrrolidine																
Naphthalene									J	740	UG/KG	-	J	210	UG/KG	J
Nitrobenzene									U	2300	UG/KG	U	U	480	UG/KG	UJ
O,O,O-Triethylphosphorothioate									U	100	UG/KG	U				
Pentachlorobenzene																
Pentachloroethane																

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774		
Sample ID:	063669				063685				063686				063705		
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):	9.5				19				19.5				30.5		
Bottom Depth (ft):	10				19.5				20				31		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene					U	1600	UG/KG	UJ								
Pentachlorophenol					U	3800	UG/KG	UJ								
Phenacetin					U	780	UG/KG	UJ								
Phenanthrene					U	780	UG/KG	UJ								
Phenol					U	780	UG/KG	UJ								
Phorate																
Pronamide					U	2400	UG/KG	UJ								
Pyrene					U	780	UG/KG	UJ								
Pyridine					U	240	UG/KG	R								
Safrole					U	780	UG/KG	UJ								
Sulfotepp					U	780	UG/KG	R								
Tributyl phosphate																
a,a-Dimethylphenethylamine					U	780	UG/KG	R								
bis(2-Chloroethoxy)methane					U	780	UG/KG	UJ								
bis(2-Chloroethyl)ether					U	780	UG/KG	UJ								
bis(2-Chloroisopropyl) ether					U	780	UG/KG	UJ								
bis(2-Ethylhexyl) phthalate					J	310	UG/KG	J								
o-Toluidine					U	780	UG/KG	R								
p-Dimethylaminoazobenzene					U	2400	UG/KG	R								
p-Phenylenediamine					U	3900	UG/KG	UJ								
1,1,1,2-Tetrachloroethane					U	12	UG/KG	U								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene																
Pentachlorophenol	U	1900	UG/KG	UJ	U	2000	UG/KG	UJ								
Phenacetin																
Phenanthrene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Phenol	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Phorate	U	600	UG/KG	U												
Pronamide																
Pyrene	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
Pyridine																
Safrole																
Sulfotepp	U	600	UG/KG	U												
Tributyl phosphate																
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
bis(2-Chloroethyl)ether	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
bis(2-Chloroisopropyl) ether	U	400	UG/KG	UJ	U	410	UG/KG	UJ								
bis(2-Ethylhexyl) phthalate	J	170	UG/KG	J	U	410	UG/KG	UJ								
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane																

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1773				1773		
Sample ID:	063753				063754				063778				063782		
Sample Date:	05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91		
Top Depth (ft):	15.5				16				30				9		
Bottom Depth (ft):	16				16.5				30.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene					U	1600	UG/KG	UJ								
Pentachlorophenol					U	3900	UG/KG	U					U	2100	UG/KG	U
Phenacetin					U	800	UG/KG	U								
Phenanthrene					U	800	UG/KG	U					U	430	UG/KG	U
Phenol					U	800	UG/KG	U					U	430	UG/KG	U
Phorate													U	500	UG/KG	U
Pronamide					U	2400	UG/KG	UJ								
Pyrene					U	800	UG/KG	U					U	430	UG/KG	U
Pyridine																
Safrole					U	800	UG/KG	U								
Sulfotepp					U	800	UG/KG	U					U	500	UG/KG	U
Tributyl phosphate																
a,a-Dimethylphenethylamine					U	800	UG/KG	R								
bis(2-Chloroethoxy)methane					U	800	UG/KG	U					U	430	UG/KG	U
bis(2-Chloroethyl)ether					U	800	UG/KG	U					U	430	UG/KG	U
bis(2-Chloroisopropyl) ether					U	800	UG/KG	U					U	430	UG/KG	U
bis(2-Ethylhexyl) phthalate						1500	UG/KG	-					J	100	UG/KG	UJ
o-Toluidine					U	800	UG/KG	R								
p-Dimethylaminoazobenzene					U	2400	UG/KG	R								
p-Phenylenediamine					U	4000	UG/KG	UJ								
1,1,1,2-Tetrachloroethane					U	12	UG/KG	U								

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP			
Pentachloronitrobenzene																
Pentachlorophenol	U	2100	UG/KG	U							U	1900	UG/KG	UJ		
Phenacetin											U	4400	UG/KG	U		
Phenanthrene	U	430	UG/KG	U							U	920	UG/KG	UJ		
Phenol	U	430	UG/KG	U							U	920	UG/KG	U		
Phorate											U	920	UG/KG	U		
Pronamide																
Pyrene	U	430	UG/KG	U							U	2800	UG/KG	UJ		
Pyridine											U	920	UG/KG	U		
Safrole																
Sulfotepp											U	920	UG/KG	U		
Tributyl phosphate											U	920	UG/KG	U		
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane	U	430	UG/KG	U							U	920	UG/KG	R		
bis(2-Chloroethyl)ether	U	430	UG/KG	U							U	920	UG/KG	U		
bis(2-Chloroisopropyl) ether	U	430	UG/KG	U							U	920	UG/KG	U		
bis(2-Ethylhexyl) phthalate	J	100	UG/KG	J							U	920	UG/KG	U		
o-Toluidine												2700	UG/KG	-		
p-Dimethylaminoazobenzene											U	920	UG/KG	U		
p-Phenylenediamine											U	2800	UG/KG	R		
1,1,1,2-Tetrachloroethane											U	4600	UG/KG	U		
											U	14	UG/KG	U		

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775		
Sample ID:	063830				063847				063850				063852		
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91		
Top Depth (ft):	18.5				29.5				10				19		
Bottom Depth (ft):	19				30				19				30		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene																
Pentachlorophenol									U	11000	UG/KG	U	U	2300	UG/KG	UJ
Phenacetin																
Phenanthrene										12000	UG/KG	-		5800	UG/KG	J
Phenol									U	2300	UG/KG	U	U	480	UG/KG	UJ
Phorate									U	100	UG/KG	U				
Pronamide																
Pyrene										9000	UG/KG	-		3600	UG/KG	J
Pyridine																
Safrole																
Sulfotepp									U	100	UG/KG	U				
Tributyl phosphate									J	48000	UG/KG	J		72000	UG/KG	J
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane									U	2300	UG/KG	U	UJ	480	UG/KG	UJ
bis(2-Chloroethyl)ether									U	2300	UG/KG	U	U	480	UG/KG	UJ
bis(2-Chloroisopropyl) ether									U	2300	UG/KG	U	U	480	UG/KG	UJ
bis(2-Ethylhexyl) phthalate									U	2300	UG/KG	U	J	94	UG/KG	J
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane																

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774			
Sample ID:	063669				063685				063686				063705			
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91			
Top Depth (ft):	9.5				19				19.5				30.5			
Bottom Depth (ft):	10				19.5				20				31			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane		66	UG/KG	-		8	UG/KG	-						7	UG/KG	-
1,1,2,2-Tetrachloroethane	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
1,1,2-Trichloroethane	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
1,1-Dichloroethane	J	6	UG/KG	J	J	2	UG/KG	J					J	4	UG/KG	J
1,1-Dichloroethene	J	2	UG/KG	J	U	6	UG/KG	U					U	6	UG/KG	U
1,2,3-Trichloropropane					U	12	UG/KG	U								
1,2-Dibromo-3-chloropropane					U	12	UG/KG	R								
1,2-Dibromoethane					U	12	UG/KG	R								
1,2-Dichloroethane	U	8	UG/KG	U	J	3	UG/KG	J								
1,2-Dichloroethene (total)													U	6	UG/KG	U
1,2-Dichloroethylene	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
1,2-Dichloropropane	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
1,4-Dioxane					U	240	UG/KG	R								
2-Butanone		21	UG/KG	UJ		59	UG/KG	J					J	13	UG/KG	UJ
2-Chloro-1,3-butadiene					U	12	UG/KG	R								
2-Hexanone	J	10	UG/KG	J		15	UG/KG	-					J	3	UG/KG	J
3-Chloropropene					U	12	UG/KG	R								
4-Methyl-2-pentanone	J	6	UG/KG	J		16	UG/KG	-					J	2	UG/KG	J
Acetone	B	83	UG/KG	R	B	210	UG/KG	R					B	13	UG/KG	R
Acetonitrile					U	24	UG/KG	R								
Acrolein					U	24	UG/KG	R								

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane													U	5	UG/KG	UJ
1,1,2,2-Tetrachloroethane													U	5	UG/KG	U
1,1,2-Trichloroethane													U	5	UG/KG	U
1,1-Dichloroethane													U	5	UG/KG	UJ
1,1-Dichloroethene													U	5	UG/KG	U
1,2,3-Trichloropropane																
1,2-Dibromo-3-chloropropane																
1,2-Dibromoethane																
1,2-Dichloroethane													U	5	UG/KG	U
1,2-Dichloroethene (total)																
1,2-Dichloroethylene													U	5	UG/KG	U
1,2-Dichloropropane													U	5	UG/KG	U
1,4-Dioxane																
2-Butanone													J	11	UG/KG	R
2-Chloro-1,3-butadiene																
2-Hexanone													U	11	UG/KG	U
3-Chloropropene																
4-Methyl-2-pentanone													U	11	UG/KG	U
Acetone													B	17	UG/KG	J
Acetonitrile																
Acrolein																

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1773				1773				1773				1773		
Sample ID:		063753				063754				063778				063782		
Sample Date:		05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91		
Top Depth (ft):		15.5				16				30				9		
Bottom Depth (ft):		16				16.5				30.5				18		
1,1,1-Trichloroethane						33	UG/KG	J	J	6	UG/KG	-				
1,1,2,2-Tetrachloroethane					U	6	UG/KG	U	U	6	UG/KG	U				
1,1,2-Trichloroethane					U	6	UG/KG	U	U	6	UG/KG	U				
1,1-Dichloroethane						48	UG/KG	-		18	UG/KG	-				
1,1-Dichloroethene					J	3	UG/KG	J	U	6	UG/KG	U				
1,2,3-Trichloropropane					U	12	UG/KG	U								
1,2-Dibromo-3-chloropropane					U	12	UG/KG	U								
1,2-Dibromoethane					U	12	UG/KG	U								
1,2-Dichloroethane					U	6	UG/KG	UJ	U	6	UG/KG	UJ				
1,2-Dichloroethene (total)																
1,2-Dichloroethylene						110	UG/KG	-	J	3	UG/KG	-				
1,2-Dichloropropane					U	6	UG/KG	U	U	6	UG/KG	U				
1,4-Dioxane						600	UG/KG	U								
2-Butanone						28	UG/KG	J	J	2	UG/KG	R				
2-Chloro-1,3-butadiene					U	12	UG/KG	U								
2-Hexanone					U	12	UG/KG	U	U	13	UG/KG	U				
3-Chloropropene					U	12	UG/KG	U								
4-Methyl-2-pentanone					J	9	UG/KG	J	U	13	UG/KG	U				
Acetone					B	54	UG/KG	U	B	33	UG/KG	U				
Acetonitrile					U	24	UG/KG	U								
Acrolein					U	24	UG/KG	U								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775		
Sample ID:	063785				063787				063815				063829		
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91		
Top Depth (ft):	18				0				7.5				18		
Bottom Depth (ft):	31				31				8				18.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane									U	6	UG/KG	UJ		140	UG/KG	-
1,1,2,2-Tetrachloroethane									U	6	UG/KG	U	U	7	UG/KG	UJ
1,1,2-Trichloroethane									U	6	UG/KG	U	U	7	UG/KG	U
1,1-Dichloroethane									U	6	UG/KG	U	E	330	UG/KG	J
1,1-Dichloroethene									U	6	UG/KG	U		11	UG/KG	-
1,2,3-Trichloropropane													U	14	UG/KG	U
1,2-Dibromo-3-chloropropane													U	14	UG/KG	U
1,2-Dibromoethane													U	14	UG/KG	U
1,2-Dichloroethane									U	6	UG/KG	U	U	7	UG/KG	U
1,2-Dichloroethene (total)																
1,2-Dichloroethylene									U	6	UG/KG	U		45	UG/KG	-
1,2-Dichloropropane									U	6	UG/KG	U	U	7	UG/KG	U
1,4-Dioxane													J	200	UG/KG	U
2-Butanone									J	10	UG/KG	U		19	UG/KG	UJ
2-Chloro-1,3-butadiene													U	14	UG/KG	UJ
2-Hexanone									U	11	UG/KG	U		29	UG/KG	J
3-Chloropropene													J	3	UG/KG	J
4-Methyl-2-pentanone									U	11	UG/KG	U		83	UG/KG	J
Acetone									B	37	UG/KG	UJ	B	57	UG/KG	UJ
Acetonitrile													U	27	UG/KG	U
Acrolein													U	27	UG/KG	U

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775		
Sample ID:	063830				063847				063850				063852		
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91		
Top Depth (ft):	18.5				29.5				10				19		
Bottom Depth (ft):	19				30				19				30		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,1,1-Trichloroethane					U	6	UG/KG	UJ								
1,1,2,2-Tetrachloroethane					U	6	UG/KG	U								
1,1,2-Trichloroethane					U	6	UG/KG	U								
1,1-Dichloroethane					U	6	UG/KG	U								
1,1-Dichloroethene					U	6	UG/KG	U								
1,2,3-Trichloropropane																
1,2-Dibromo-3-chloropropane																
1,2-Dibromoethane																
1,2-Dichloroethane					U	6	UG/KG	U								
1,2-Dichloroethene (total)																
1,2-Dichloroethylene					U	6	UG/KG	U								
1,2-Dichloropropane					U	6	UG/KG	U								
1,4-Dioxane																
2-Butanone					U	12	UG/KG	UJ								
2-Chloro-1,3-butadiene																
2-Hexanone					U	12	UG/KG	U								
3-Chloropropene																
4-Methyl-2-pentanone					U	12	UG/KG	U								
Acetone					BJ	12	UG/KG	UJ								
Acetonitrile																
Acrolein																

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774		
Sample ID:	063669				063685				063686				063705		
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):	9.5				19				19.5				30.5		
Bottom Depth (ft):	10				19.5				20				31		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile					U	24	UG/KG	R								
Benzene	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
Bromodichloromethane	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
Bromoform	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
Bromomethane	U	16	UG/KG	U	U	12	UG/KG	U					U	13	UG/KG	U
Carbon Tetrachloride	U	8	UG/KG	U	J	2	UG/KG	J					U	6	UG/KG	U
Carbon disulfide	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
Chlorobenzene	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
Chloroethane	U	16	UG/KG	U	U	12	UG/KG	U					U	13	UG/KG	U
Chloroform	D	630	UG/KG	-	D	510	UG/KG	-						45	UG/KG	-
Chloromethane	U	16	UG/KG	UJ	U	12	UG/KG	UJ					U	13	UG/KG	UJ
Dibromochloromethane	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
Dibromomethane					U	12	UG/KG	U								
Dichlorodifluoromethane					U	240	UG/KG	R								
Ethyl cyanide					U	12	UG/KG	R								
Ethyl methacrylate					U	12	UG/KG	U								
Ethylbenzene	J	3	UG/KG	J	U	6	UG/KG	U					U	6	UG/KG	U
Iodomethane					U	12	UG/KG	U								
Isobutyl alcohol					U	240	UG/KG	R								
Methacrylonitrile					U	12	UG/KG	R								
Methyl methacrylate					U	12	UG/KG	UJ								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1774				1774				1774				1773		
Sample ID:		063709				063710				063711				063742		
Sample Date:		27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):		10				20				0				8.5		
Bottom Depth (ft):		20				31.5				31.5				9		
Acrylonitrile																
Benzene													U	5	UG/KG	U
Bromodichloromethane													U	5	UG/KG	U
Bromoform													U	5	UG/KG	UJ
Bromomethane													U	11	UG/KG	U
Carbon Tetrachloride													U	5	UG/KG	UJ
Carbon disulfide													J	3	UG/KG	J
Chlorobenzene													U	5	UG/KG	U
Chloroethane													U	11	UG/KG	U
Chloroform													U	5	UG/KG	U
Chloromethane													U	11	UG/KG	UJ
Dibromochloromethane													U	5	UG/KG	U
Dibromomethane																
Dichlorodifluoromethane																
Ethyl cyanide																
Ethyl methacrylate																
Ethylbenzene													U	5	UG/KG	U
Iodomethane																
Isobutyl alcohol																
Methacrylonitrile																
Methyl methacrylate																

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1773				1773		
Sample ID:	063753				063754				063778				063782		
Sample Date:	05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91		
Top Depth (ft):	15.5				16				30				9		
Bottom Depth (ft):	16				16.5				30.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile					U	24	UG/KG	U								
Benzene						14	UG/KG	-	U	6	UG/KG	U				
Bromodichloromethane					U	6	UG/KG	U	U	6	UG/KG	U				
Bromoform					U	6	UG/KG	UJ	U	6	UG/KG	UJ				
Bromomethane					U	12	UG/KG	U	U	13	UG/KG	U				
Carbon Tetrachloride					U	6	UG/KG	UJ	U	6	UG/KG	UJ				
Carbon disulfide					U	6	UG/KG	U	U	6	UG/KG	U				
Chlorobenzene					U	6	UG/KG	U	U	6	UG/KG	U				
Chloroethane					U	12	UG/KG	U	U	13	UG/KG	U				
Chloroform						8	UG/KG	-		28	UG/KG	-				
Chloromethane					U	12	UG/KG	UJ	U	13	UG/KG	UJ				
Dibromochloromethane					U	6	UG/KG	U	U	6	UG/KG	U				
Dibromomethane					U	12	UG/KG	U								
Dichlorodifluoromethane					U	240	UG/KG	U								
Ethyl cyanide					U	12	UG/KG	U								
Ethyl methacrylate					U	12	UG/KG	U								
Ethylbenzene						9	UG/KG	-	U	6	UG/KG	U				
Iodomethane					U	12	UG/KG	U								
Isobutyl alcohol					U	240	UG/KG	U								
Methacrylonitrile					U	12	UG/KG	U								
Methyl methacrylate					U	12	UG/KG	U								

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile													U	27	UG/KG	U
Benzene									U	6	UG/KG	U	U	7	UG/KG	UJ
Bromodichloromethane									U	6	UG/KG	UJ	U	7	UG/KG	U
Bromoform									U	6	UG/KG	UJ	U	7	UG/KG	U
Bromomethane									U	11	UG/KG	U	U	14	UG/KG	U
Carbon Tetrachloride									U	6	UG/KG	UJ	U	7	UG/KG	UJ
Carbon disulfide									U	6	UG/KG	U	U	7	UG/KG	UJ
Chlorobenzene									U	6	UG/KG	U	U	7	UG/KG	UJ
Chloroethane									U	11	UG/KG	U		35	UG/KG	-
Chloroform									U	6	UG/KG	U		11	UG/KG	-
Chloromethane									U	11	UG/KG	U	U	14	UG/KG	UJ
Dibromochloromethane									U	6	UG/KG	U	U	7	UG/KG	UJ
Dibromomethane													U	14	UG/KG	U
Dichlorodifluoromethane													U	270	UG/KG	R
Ethyl cyanide													U	14	UG/KG	U
Ethyl methacrylate													U	14	UG/KG	U
Ethylbenzene									U	6	UG/KG	U		28	UG/KG	J
Iodomethane													U	14	UG/KG	U
Isobutyl alcohol													J	17	UG/KG	J
Methacrylonitrile													U	14	UG/KG	U
Methyl methacrylate													U	14	UG/KG	U

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775		
Sample ID:	063830				063847				063850				063852		
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91		
Top Depth (ft):	18.5				29.5				10				19		
Bottom Depth (ft):	19				30				19				30		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile																
Benzene					U	6	UG/KG	U								
Bromodichloromethane					U	6	UG/KG	UJ								
Bromoform					U	6	UG/KG	UJ								
Bromomethane					U	12	UG/KG	U								
Carbon Tetrachloride					U	6	UG/KG	UJ								
Carbon disulfide					U	6	UG/KG	U								
Chlorobenzene					U	6	UG/KG	U								
Chloroethane					U	12	UG/KG	U								
Chloroform						9	UG/KG	U								
Chloromethane					U	12	UG/KG	U								
Dibromochloromethane					U	6	UG/KG	U								
Dibromomethane																
Dichlorodifluoromethane																
Ethyl cyanide																
Ethyl methacrylate																
Ethylbenzene					U	6	UG/KG	U								
Iodomethane																
Isobutyl alcohol																
Methacrylonitrile																
Methyl methacrylate																

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1991 RI/FS - Pit 4
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1774				1774				1774				1774		
Sample ID:		063669				063685				063686				063705		
Sample Date:		26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):		9.5				19				19.5				30.5		
Bottom Depth (ft):		10				19.5				20				31		
Methylene chloride	B	190	UG/KG	J	B	230	UG/KG	-								
Styrene	U	8	UG/KG	U	U	6	UG/KG	U					B	12	UG/KG	U
Tetrachlorethene		14	UG/KG	-		37	UG/KG	-					U	6	UG/KG	U
Toluene		33	UG/KG	-	J	3	UG/KG	J					J	3	UG/KG	J
Total xylenes		25	UG/KG	-	U	6	UG/KG	U					J	2	UG/KG	J
Trichloroethene	J	6	UG/KG	J	J	2	UG/KG	J					U	6	UG/KG	U
Trichlorofluoromethane					U	12	UG/KG	R					U	6	UG/KG	U
Vinyl Acetate	U	16	UG/KG	U	U	12	UG/KG	U								
Vinyl chloride	U	16	UG/KG	U	U	12	UG/KG	U					U	13	UG/KG	U
cis-1,3-Dichloropropene	U	8	UG/KG	U	U	6	UG/KG	U					U	13	UG/KG	U
trans-1,3-Dichloropropene	U	8	UG/KG	U	U	6	UG/KG	U					U	6	UG/KG	U
trans-1,4-Dichloro-2-butene					U	12	UG/KG	U					U	6	UG/KG	U
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773			
Sample ID:	063709				063710				063711				063742			
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91			
Top Depth (ft):	10				20				0				8.5			
Bottom Depth (ft):	20				31.5				31.5				9			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride													B	7	UG/KG	J
Styrene													U	5	UG/KG	U
Tetrachlorethene													J	3	UG/KG	J
Toluene													BJ	5	UG/KG	UJ
Total xylenes													J	3	UG/KG	J
Trichloroethene														130	UG/KG	-
Trichlorofluoromethane																
Vinyl Acetate													U	11	UG/KG	U
Vinyl chloride													U	11	UG/KG	U
cis-1,3-Dichloropropene													U	5	UG/KG	U
trans-1,3-Dichloropropene													U	5	UG/KG	U
trans-1,4-Dichloro-2-butene																
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD									U	.2	UG/L	UJ	Y			
4,4-DDE									U	.2	UG/L	UJ	Y			
4,4-DDT									U	.2	UG/L	UJ	Y			
Aldrin									U	.1	UG/L	UJ	Y			
Aroclor-1016									U	1	UG/L	UJ	Y			
Aroclor-1221									U	1	UG/L	UJ	Y			
Aroclor-1232									U	1	UG/L	UJ	Y			

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1773				1773		
Sample ID:	063753				063754				063778				063782		
Sample Date:	05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91		
Top Depth (ft):	15.5				16				30				9		
Bottom Depth (ft):	16				16.5				30.5				18		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride					B	29	UG/KG	U	B	17	UG/KG	U				
Styrene					J	3	UG/KG	J	U	6	UG/KG	U				
Tetrachlorethene										81	UG/KG	-				
Toluene					B	24	UG/KG	-	BJ	6	UG/KG	U				
Total xylenes						53	UG/KG	-		16	UG/KG	-				
Trichloroethene						210	UG/KG	-	J	2	UG/KG	-				
Trichlorofluoromethane					J	2	UG/KG	R								
Vinyl Acetate					U	12	UG/KG	U	U	13	UG/KG	U				
Vinyl chloride						14	UG/KG	-	U	13	UG/KG	U				
cis-1,3-Dichloropropene					U	6	UG/KG	U	U	6	UG/KG	U				
trans-1,3-Dichloropropene					U	6	UG/KG	U	U	6	UG/KG	U				
trans-1,4-Dichloro-2-butene					U	12	UG/KG	U								
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride									B	15	UG/KG	U	B	13	UG/KG	UJ
Styrene									U	6	UG/KG	U	U	7	UG/KG	UJ
Tetrachlorethene									U	6	UG/KG	U	DJ	240	UG/KG	J
Toluene									BJ	6	UG/KG	UJ	B	7	UG/KG	UJ
Total xylenes									J	6	UG/KG	U		230	UG/KG	J
Trichloroethene										150	UG/KG	-		210	UG/KG	-
Trichlorofluoromethane													U	14	UG/KG	U
Vinyl Acetate									U	11	UG/KG	U	U	14	UG/KG	UJ
Vinyl chloride									U	11	UG/KG	U	J	12	UG/KG	J
cis-1,3-Dichloropropene									U	6	UG/KG	U	U	7	UG/KG	U
trans-1,3-Dichloropropene									U	6	UG/KG	U	U	7	UG/KG	U
trans-1,4-Dichloro-2-butene													U	14	UG/KG	UJ
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD					U	.1	UG/L	U	Y							
4,4-DDE					U	.1	UG/L	U	Y							
4,4-DDT					U	.1	UG/L	U	Y							
Aldrin					U	.05	UG/L	U	Y							
Aroclor-1016					U	.05	UG/L	U	Y							
Aroclor-1221					U	.05	UG/L	U	Y							
Aroclor-1232					U	.05	UG/L	U	Y							

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Pit Material Organic Results

Well/Boring:	1775				1775				1775				1775			
Sample ID:	063830				063847				063850				063852			
Sample Date:	09-SEP-91				09-SEP-91				10-SEP-91				10-SEP-91			
Top Depth (ft):	18.5				29.5				10				19			
Bottom Depth (ft):	19				30				19				30			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride					B	30	UG/KG	U								
Styrene					U	6	UG/KG	U								
Tetrachlorethene						9	UG/KG	U								
Toluene					BJ	6	UG/KG	U								
Total xylenes					U	6	UG/KG	U								
Trichloroethene					U	6	UG/KG	U								
Trichlorofluoromethane																
Vinyl Acetate					U	12	UG/KG	U								
Vinyl chloride					U	12	UG/KG	U								
cis-1,3-Dichloropropene					U	6	UG/KG	U								
trans-1,3-Dichloropropene					U	6	UG/KG	U								
trans-1,4-Dichloro-2-butene																
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

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Well/Boring:	1775
Sample ID:	063854
Sample Date:	10-SEP-91
Top Depth (ft):	0
Bottom Depth (ft):	30

Parameters	LQ	Result	Unit	VQ	TCLP
Methylene chloride					
Styrene					
Tetrachlorethene					
Toluene					
Total xylenes					
Trichloroethene					
Trichlorofluoromethane					
Vinyl Acetate					
Vinyl chloride					
cis-1,3-Dichloropropene					
trans-1,3-Dichloropropene					
trans-1,4-Dichloro-2-butene					
2,4,5-TP (Silvex)					
2,4-D					
4,4-DDD	U	.1	UG/L	U	Y
4,4-DDE	U	.1	UG/L	U	Y
4,4-DDT	U	.1	UG/L	U	Y
Aldrin	U	.05	UG/L	U	Y
Aroclor-1016	U	.5	UG/L	U	Y
Aroclor-1221	U	.5	UG/L	U	Y
Aroclor-1232	U	.5	UG/L	U	Y

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TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-9
Print Date: 13-JAN-94
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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1774					1774					1774					1773			
Sample ID:		063709					063710					063711					063742			
Sample Date:		27-AUG-91					27-AUG-91					27-AUG-91					05-SEP-91			
Top Depth (ft):		10					20					0					8.5			
Bottom Depth (ft):		20					31.5					31.5					9			
Aroclor-1242											U	1	UG/L	UJ	Y					
Aroclor-1248											U	1	UG/L	UJ	Y					
Aroclor-1254											U	2	UG/L	UJ	Y					
Aroclor-1260											U	2	UG/L	UJ	Y					
Dieldrin											U	.2	UG/L	UJ	Y					
Endosulfan II											U	.2	UG/L	UJ	Y					
Endosulfan sulfate											U	.2	UG/L	UJ	Y					
Endosulfan-I											U	.1	UG/L	UJ	Y					
Endrin											U	.2	UG/L	UJ	Y					
Endrin ketone											U	.2	UG/L	UJ	Y					
Heptachlor											U	.1	UG/L	UJ	Y					
Heptachlor epoxide											U	.25	UG/L	R	Y					
Methoxychlor											U	2.5	UG/L	R	Y					
Toxaphene											U	5	UG/L	R	Y					
alpha-BHC											U	.1	UG/L	UJ	Y					
alpha-Chlordane											U	2.5	UG/L	R	Y					
beta-BHC											U	.1	UG/L	UJ	Y					
delta-BHC											U	.1	UG/L	UJ	Y					
gamma-BHC (Lindane)											U	.1	UG/L	UJ	Y					
gamma-Chlordane											U	2.5	UG/L	R	Y					
1,2,4-Trichlorobenzene											U	20	UG/L	UJ	Y					

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Aroclor-1242					U	.05	UG/L	U	Y							
Aroclor-1248					U	.05	UG/L	U	Y							
Aroclor-1254					U	1	UG/L	U	Y							
Aroclor-1260					U	1	UG/L	U	Y							
Dieldrin					U	.1	UG/L	U	Y							
Endosulfan II					U	.1	UG/L	U	Y							
Endosulfan sulfate					U	.1	UG/L	U	Y							
Endosulfan-I					U	.05	UG/L	U	Y							
Endrin					U	.1	UG/L	U	Y							
Endrin ketone					U	.1	UG/L	U	Y							
Heptachlor					U	.05	UG/L	U	Y							
Heptachlor epoxide					U	.1	UG/L	R	Y							
Methoxychlor					U	1	UG/L	R	Y							
Toxaphene					U	2	UG/L	R	Y							
alpha-BHC					U	.05	UG/L	U	Y							
alpha-Chlordane					U	1	UG/L	R	Y							
beta-BHC					U	.05	UG/L	U	Y							
delta-BHC					U	.05	UG/L	U	Y							
gamma-BHC (Lindane)					U	.05	UG/L	U	Y							
gamma-Chlordane					U	1	UG/L	R	Y							
1,2,4-Trichlorobenzene					U	10	UG/L	U	Y							

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Well/Boring:	1775
Sample ID:	063854
Sample Date:	10-SEP-91
Top Depth (ft):	0
Bottom Depth (ft):	30

Parameters	LQ	Result	Unit	VQ	TCLP
Aroclor-1242	U	.5	UG/L	U	Y
Aroclor-1248	U	.5	UG/L	U	Y
Aroclor-1254	U	1	UG/L	U	Y
Aroclor-1260	U	1	UG/L	U	Y
Dieldrin	U	.1	UG/L	U	Y
Endosulfan II	U	.1	UG/L	U	Y
Endosulfan sulfate	U	.1	UG/L	U	Y
Endosulfan-I	U	.05	UG/L	U	Y
Endrin	U	.1	UG/L	U	Y
Endrin ketone	U	.1	UG/L	U	Y
Heptachlor	U	.05	UG/L	U	Y
Heptachlor epoxide	U	.05	UG/L	U	Y
Methoxychlor	U	.5	UG/L	U	Y
Toxaphene	U	1	UG/L	U	Y
alpha-BHC	U	.05	UG/L	U	Y
alpha-Chlordane	U	.5	UG/L	U	Y
beta-BHC	U	.05	UG/L	U	Y
delta-BHC	U	.05	UG/L	U	Y
gamma-BHC (Lindane)	U	.05	UG/L	U	Y
gamma-Chlordane	U	.5	UG/L	U	Y
1,2,4-Trichlorobenzene	U	20	UG/L	U	Y

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-Dichlorobenzene									U	20	UG/L	UJ Y				
1,3-Dichlorobenzene									U	20	UG/L	UJ Y				
1,4-Dichlorobenzene									U	20	UG/L	UJ Y				
2,4,5-Trichlorophenol									U	100	UG/L	R Y				
2,4,6-Trichlorophenol									U	20	UG/L	R Y				
2,4-Dichlorophenol									U	20	UG/L	UJ Y				
2,4-Dimethylphenol									U	20	UG/L	UJ Y				
2,4-Dinitrophenol									U	100	UG/L	UJ Y				
2,4-Dinitrotoluene									U	20	UG/L	UJ Y				
2,6-Dinitrotoluene									U	20	UG/L	UJ Y				
2-Chloronaphthalene									U	20	UG/L	UJ Y				
2-Chlorophenol									U	20	UG/L	UJ Y				
2-Methylnaphthalene									U	20	UG/L	UJ Y				
2-Methylphenol									U	20	UG/L	R Y				
2-Nitroaniline									U	100	UG/L	UJ Y				
2-Nitrophenol									U	20	UG/L	UJ Y				
3,3'-Dichlorobenzidine									U	40	UG/L	UJ Y				
3-Methylphenol																
3-Nitroaniline									U	100	UG/L	UJ Y				
4,6-Dinitro-2-methylphenol									U	100	UG/L	UJ Y				
4-Bromophenyl phenyl ether									U	20	UG/L	UJ Y				

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1773					1773					1775					1775			
Sample ID:		063785					063787					063815					063829			
Sample Date:		06-SEP-91					06-SEP-91					09-SEP-91					09-SEP-91			
Top Depth (ft):		18					0					7.5					18			
Bottom Depth (ft):		31					31					8					18.5			
1,2-Dichlorobenzene						U	10	UG/L	U	Y										
1,3-Dichlorobenzene						U	10	UG/L	U	Y										
1,4-Dichlorobenzene						U	10	UG/L	U	Y										
2,4,5-Trichlorophenol						U	50	UG/L	R	Y										
2,4,6-Trichlorophenol						U	10	UG/L	R	Y										
2,4-Dichlorophenol						U	10	UG/L	R	Y										
2,4-Dimethylphenol						U	10	UG/L	R	Y										
2,4-Dinitrophenol						U	50	UG/L	R	Y										
2,4-Dinitrotoluene						U	10	UG/L	U	Y										
2,6-Dinitrotoluene						U	10	UG/L	U	Y										
2-Chloronaphthalene						U	10	UG/L	U	Y										
2-Chlorophenol						U	10	UG/L	R	Y										
2-Methylnaphthalene						U	10	UG/L	U	Y										
2-Methylphenol						U	10	UG/L	R	Y										
2-Nitroaniline						U	50	UG/L	U	Y										
2-Nitrophenol						U	10	UG/L	R	Y										
3,3'-Dichlorobenzidine						U	20	UG/L	U	Y										
3-Methylphenol																				
3-Nitroaniline						U	50	UG/L	UJ	Y										
4,6-Dinitro-2-methylphenol						U	50	UG/L	R	Y										
4-Bromophenyl phenyl ether						U	10	UG/L	U	Y										

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	1775
Sample ID:	063854
Sample Date:	10-SEP-91
Top Depth (ft):	0
Bottom Depth (ft):	30

Parameters	LQ	Result	Unit	VQ	TCLP
1,2-Dichlorobenzene	U	20	UG/L	U	Y
1,3-Dichlorobenzene	U	20	UG/L	U	Y
1,4-Dichlorobenzene	U	20	UG/L	U	Y
2,4,5-Trichlorophenol	U	100	UG/L	R	Y
2,4,6-Trichlorophenol	U	20	UG/L	R	Y
2,4-Dichlorophenol	U	20	UG/L	R	Y
2,4-Dimethylphenol	U	20	UG/L	R	Y
2,4-Dinitrophenol	U	100	UG/L	R	Y
2,4-Dinitrotoluene	U	20	UG/L	U	Y
2,6-Dinitrotoluene	U	20	UG/L	U	Y
2-Chloronaphthalene	U	20	UG/L	U	Y
2-Chlorophenol	U	20	UG/L	R	Y
2-Methylnaphthalene	U	20	UG/L	U	Y
2-Methylphenol	U	20	UG/L	R	Y
2-Nitroaniline	U	100	UG/L	U	Y
2-Nitrophenol	U	20	UG/L	R	Y
3,3'-Dichlorobenzidine	U	40	UG/L	U	Y
3-Methylphenol					
3-Nitroaniline	U	100	UG/L	U	Y
4,6-Dinitro-2-methylphenol	U	100	UG/L	R	Y
4-Bromophenyl phenyl ether	U	20	UG/L	U	Y

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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773			
Sample ID:	063709				063710				063711				063742			
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91			
Top Depth (ft):	10				20				0				8.5			
Bottom Depth (ft):	20				31.5				31.5				9			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Chloro-3-methylphenol									U	20	UG/L	UJ Y				
4-Chloroaniline									U	20	UG/L	UJ Y				
4-Chlorophenylphenyl ether									U	20	UG/L	UJ Y				
4-Methylphenol									U	20	UG/L	R Y				
4-Nitroaniline									U	100	UG/L	UJ Y				
4-Nitrophenol									U	100	UG/L	UJ Y				
Acenaphthene									U	20	UG/L	UJ Y				
Acenaphthylene									U	20	UG/L	UJ Y				
Anthracene									U	20	UG/L	UJ Y				
Benzo(a)anthracene									U	20	UG/L	UJ Y				
Benzo(a)pyrene									U	20	UG/L	UJ Y				
Benzo(b)fluoranthene									U	20	UG/L	UJ Y				
Benzo(g,h,i)perylene									U	20	UG/L	UJ Y				
Benzo(k)fluoranthene									U	20	UG/L	UJ Y				
Benzoic acid									J	4	UG/L	J Y				
Benzyl alcohol									U	20	UG/L	UJ Y				
Butyl benzyl phthalate									U	20	UG/L	UJ Y				
Chrysene									U	20	UG/L	UJ Y				
Di-n-butyl phthalate									U	20	UG/L	UJ Y				
Di-n-octyl phthalate									U	20	UG/L	UJ Y				
Dibenzo(a,h)anthracene									U	20	UG/L	UJ Y				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Chloro-3-methylphenol					U	10	UG/L	R	Y							
4-Chloroaniline					U	10	UG/L	U	Y							
4-Chlorophenylphenyl ether					U	10	UG/L	U	Y							
4-Methylphenol					U	10	UG/L	R	Y							
4-Nitroaniline					U	50	UG/L	UJ	Y							
4-Nitrophenol					U	50	UG/L	R	Y							
Acenaphthene					U	10	UG/L	U	Y							
Acenaphthylene					U	10	UG/L	U	Y							
Anthracene					U	10	UG/L	U	Y							
Benzo(a)anthracene					U	10	UG/L	U	Y							
Benzo(a)pyrene					U	10	UG/L	U	Y							
Benzo(b)fluoranthene					U	10	UG/L	U	Y							
Benzo(g,h,i)perylene					U	10	UG/L	U	Y							
Benzo(k)fluoranthene					U	10	UG/L	U	Y							
Benzoic acid					J	3	UG/L	-	Y							
Benzyl alcohol					U	10	UG/L	U	Y							
Butyl benzyl phthalate					U	10	UG/L	U	Y							
Chrysene					U	10	UG/L	U	Y							
Di-n-butyl phthalate					U	10	UG/L	U	Y							
Di-n-octyl phthalate					U	10	UG/L	U	Y							
Dibenzo(a,h)anthracene					U	10	UG/L	U	Y							

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Well/Boring:	1775
Sample ID:	063854
Sample Date:	10-SEP-91
Top Depth (ft):	0
Bottom Depth (ft):	30

Parameters	LQ	Result	Unit	VQ	TCLP
4-Chloro-3-methylphenol	U	20	UG/L	R	Y
4-Chloroaniline	U	20	UG/L	U	Y
4-Chlorophenylphenyl ether	U	20	UG/L	U	Y
4-Methylphenol	U	20	UG/L	R	Y
4-Nitroaniline	U	100	UG/L	U	Y
4-Nitrophenol	U	100	UG/L	R	Y
Acenaphthene	U	20	UG/L	U	Y
Acenaphthylene	U	20	UG/L	U	Y
Anthracene	U	20	UG/L	U	Y
Benzo(a)anthracene	U	20	UG/L	U	Y
Benzo(a)pyrene	U	20	UG/L	U	Y
Benzo(b)fluoranthene	U	20	UG/L	U	Y
Benzo(g,h,i)perylene	U	20	UG/L	U	Y
Benzo(k)fluoranthene	U	20	UG/L	U	Y
Benzoic acid	U	100	UG/L	R	Y
Benzyl alcohol	U	20	UG/L	U	Y
Butyl benzyl phthalate	U	20	UG/L	U	Y
Chrysene	U	20	UG/L	U	Y
Di-n-butyl phthalate	U	20	UG/L	U	Y
Di-n-octyl phthalate	U	20	UG/L	U	Y
Dibenzo(a,h)anthracene	U	20	UG/L	U	Y

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VQ = Validated Qualifier (See list at front of Appendices)
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J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773			
Sample ID:	063709				063710				063711				063742			
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91			
Top Depth (ft):	10				20				0				8.5			
Bottom Depth (ft):	20				31.5				31.5				9			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Dibenzofuran									U	20	UG/L	UJ Y				
Diethyl phthalate									U	20	UG/L	UJ Y				
Dimethyl phthalate									U	20	UG/L	UJ Y				
Fluoranthene									U	20	UG/L	UJ Y				
Fluorene									U	20	UG/L	UJ Y				
Hexachlorobenzene									U	20	UG/L	R Y				
Hexachlorobutadiene									U	20	UG/L	R Y				
Hexachlorocyclopentadiene									U	20	UG/L	UJ Y				
Hexachloroethane									U	20	UG/L	R Y				
Indeno(1,2,3-cd)pyrene									U	20	UG/L	UJ Y				
Isophorone									U	20	UG/L	UJ Y				
N-Nitroso-di-n-propylamine									U	20	UG/L	UJ Y				
N-Nitrosodiphenylamine									U	20	UG/L	UJ Y				
Naphthalene									U	20	UG/L	UJ Y				
Nitrobenzene									U	20	UG/L	R Y				
Pentachlorophenol									U	100	UG/L	UJ Y				
Phenanthrene									U	20	UG/L	UJ Y				
Phenol									U	20	UG/L	UJ Y				
Pyrene									U	20	UG/L	UJ Y				
Pyridine																
Tributyl phosphate																

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Dibenzofuran					U	10	UG/L	U	Y							
Diethyl phthalate					U	10	UG/L	U	Y							
Dimethyl phthalate					U	10	UG/L	U	Y							
Fluoranthene					U	10	UG/L	U	Y							
Fluorene					U	10	UG/L	U	Y							
Hexachlorobenzene					U	10	UG/L	U	Y							
Hexachlorobutadiene					U	10	UG/L	U	Y							
Hexachlorocyclopentadiene					U	10	UG/L	U	Y							
Hexachloroethane					U	10	UG/L	U	Y							
Indeno(1,2,3-cd)pyrene					U	10	UG/L	U	Y							
Isophorone					U	10	UG/L	U	Y							
N-Nitroso-di-n-propylamine					U	10	UG/L	U	Y							
N-Nitrosodiphenylamine					U	10	UG/L	U	Y							
Naphthalene					U	10	UG/L	U	Y							
Nitrobenzene					U	10	UG/L	U	Y							
Pentachlorophenol					U	50	UG/L	R	Y							
Phenanthrene					U	10	UG/L	U	Y							
Phenol					U	10	UG/L	R	Y							
Pyrene					U	10	UG/L	U	Y							
Pyridine																
Tributyl phosphate																

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Well/Boring:	1775
Sample ID:	063854
Sample Date:	10-SEP-91
Top Depth (ft):	0
Bottom Depth (ft):	30

Parameters	LQ	Result	Unit	VQ	TCLP
Dibenzofuran	U	20	UG/L	U	Y
Diethyl phthalate	U	20	UG/L	U	Y
Dimethyl phthalate	U	20	UG/L	U	Y
Fluoranthene	U	20	UG/L	U	Y
Fluorene	U	20	UG/L	U	Y
Hexachlorobenzene	U	20	UG/L	U	Y
Hexachlorobutadiene	U	20	UG/L	U	Y
Hexachlorocyclopentadiene	U	20	UG/L	U	Y
Hexachloroethane	U	20	UG/L	U	Y
Indeno(1,2,3-cd)pyrene	U	20	UG/L	U	Y
Isophorone	U	20	UG/L	U	Y
N-Nitroso-di-n-propylamine	U	20	UG/L	U	Y
N-Nitrosodiphenylamine	U	20	UG/L	U	Y
Naphthalene	U	20	UG/L	U	Y
Nitrobenzene	U	20	UG/L	U	Y
Pentachlorophenol	U	100	UG/L	R	Y
Phenanthrene	U	20	UG/L	U	Y
Phenol	U	20	UG/L	R	Y
Pyrene	U	20	UG/L	U	Y
Pyridine					
Tributyl phosphate					

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
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Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774		
Sample ID:	063669				063685				063686				063705		
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):	9.5				19				19.5				30.5		
Bottom Depth (ft):	10				19.5				20				31		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane																
bis(2-Chloroethyl)ether																
bis(2-Chloroisopropyl) ether																
bis(2-Ethylhexyl) phthalate																
1,1,1-Trichloroethane									U	5	UG/L	U	Y			
1,1,2,2-Tetrachloroethane									U	5	UG/L	U	Y			
1,1,2-Trichloroethane									U	5	UG/L	U	Y			
1,1-Dichloroethane									U	5	UG/L	U	Y			
1,1-Dichloroethene									U	5	UG/L	U	Y			
1,2-Dichloroethane									U	5	UG/L	R	Y			
1,2-Dichloroethylene									U	5	UG/L	U	Y			
1,2-Dichloropropane									U	5	UG/L	U	Y			
2-Butanone									J	4	UG/L	R	Y			
2-Hexanone									U	10	UG/L	U	Y			
4-Methyl-2-pentanone									U	10	UG/L	U	Y			
Acetone									B	130	UG/L	J	Y			
Benzene									U	5	UG/L	U	Y			
Bromodichloromethane									U	5	UG/L	U	Y			
Bromoform									U	5	UG/L	U	Y			
Bromomethane									U	10	UG/L	U	Y			
Carbon Tetrachloride									U	5	UG/L	R	Y			

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1773		
Sample ID:	063709				063710				063711				063742		
Sample Date:	27-AUG-91				27-AUG-91				27-AUG-91				05-SEP-91		
Top Depth (ft):	10				20				0				8.5		
Bottom Depth (ft):	20				31.5				31.5				9		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane									U	20	UG/L	UJ	Y			
bis(2-Chloroethyl)ether									U	20	UG/L	UJ	Y			
bis(2-Chloroisopropyl) ether									U	20	UG/L	UJ	Y			
bis(2-Ethylhexyl) phthalate									U	20	UG/L	UJ	Y			
1,1,1-Trichloroethane																
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane																
1,1-Dichloroethene																
1,2-Dichloroethane																
1,2-Dichloroethylene																
1,2-Dichloropropane																
2-Butanone																
2-Hexanone																
4-Methyl-2-pentanone																
Acetone																
Benzene																
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon Tetrachloride																

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1991 RI/FS - Pit 4
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1773				1773				1773				1773			
Sample ID:		063753				063754				063778				063782			
Sample Date:		05-SEP-91				05-SEP-91				05-SEP-91				06-SEP-91			
Top Depth (ft):		15.5				16				30				9			
Bottom Depth (ft):		16				16.5				30.5				18			
bis(2-Chloroethoxy)methane																	
bis(2-Chloroethyl)ether																	
bis(2-Chloroisopropyl) ether																	
bis(2-Ethylhexyl) phthalate																	
1,1,1-Trichloroethane		10	UG/L	-	Y												
1,1,2,2-Tetrachloroethane	U	5	UG/L	U	Y												
1,1,2-Trichloroethane	U	5	UG/L	U	Y												
1,1-Dichloroethane	J	2	UG/L	-	Y												
1,1-Dichloroethene	U	5	UG/L	U	Y												
1,2-Dichloroethane	U	5	UG/L	U	Y												
1,2-Dichloroethylene		13	UG/L	-	Y												
1,2-Dichloropropane	U	5	UG/L	U	Y												
2-Butanone	U	2	UG/L	U	Y												
2-Hexanone	U	10	UG/L	U	Y												
4-Methyl-2-pentanone	U	10	UG/L	U	Y												
Acetone	U	10	UG/L	U	Y												
Benzene	U	5	UG/L	U	Y												
Bromodichloromethane	U	5	UG/L	U	Y												
Bromoform	U	5	UG/L	U	Y												
Bromomethane	U	10	UG/L	U	Y												
Carbon Tetrachloride	U	5	UG/L	U	Y												

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773				1773				1775				1775			
Sample ID:	063785				063787				063815				063829			
Sample Date:	06-SEP-91				06-SEP-91				09-SEP-91				09-SEP-91			
Top Depth (ft):	18				0				7.5				18			
Bottom Depth (ft):	31				31				8				18.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
bis(2-Chloroethoxy)methane					U	10	UG/L	U	Y							
bis(2-Chloroethyl)ether					U	10	UG/L	U	Y							
bis(2-Chloroisopropyl) ether					U	10	UG/L	U	Y							
bis(2-Ethylhexyl) phthalate					U	10	UG/L	U	Y							
1,1,1-Trichloroethane																
1,1,2,2-Tetrachloroethane																
1,1,2-Trichloroethane																
1,1-Dichloroethane																
1,1-Dichloroethene																
1,2-Dichloroethane																
1,2-Dichloroethylene																
1,2-Dichloropropane																
2-Butanone																
2-Hexanone																
4-Methyl-2-pentanone																
Acetone																
Benzene																
Bromodichloromethane																
Bromoform																
Bromomethane																
Carbon Tetrachloride																

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J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775					1775					1775					1775			
Sample ID:	063830					063847					063850					063852			
Sample Date:	09-SEP-91					09-SEP-91					10-SEP-91					10-SEP-91			
Top Depth (ft):	18.5					29.5					10					19			
Bottom Depth (ft):	19					30					19					30			
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
bis(2-Chloroethoxy)methane																	
bis(2-Chloroethyl)ether																	
bis(2-Chloroisopropyl) ether																	
bis(2-Ethylhexyl) phthalate																	
1,1,1-Trichloroethane	U	5	UG/L	U	Y												
1,1,2,2-Tetrachloroethane	U	5	UG/L	U	Y												
1,1,2-Trichloroethane	U	5	UG/L	U	Y												
1,1-Dichloroethane		17	UG/L	U	Y												
1,1-Dichloroethene	U	5	UG/L	U	Y												
1,2-Dichloroethane	U	5	UG/L	U	Y												
1,2-Dichloroethylene		40	UG/L	U	Y												
1,2-Dichloropropane	U	5	UG/L	U	Y												
2-Butanone	BJ	10	UG/L	UJ	Y												
2-Hexanone	U	10	UG/L	U	Y												
4-Methyl-2-pentanone	J	2	UG/L	J	Y												
Acetone	BD	420	UG/L	J	Y												
Benzene	U	5	UG/L	U	Y												
Bromodichloromethane	U	5	UG/L	U	Y												
Bromoform	U	5	UG/L	U	Y												
Bromomethane	U	10	UG/L	U	Y												
Carbon Tetrachloride	U	5	UG/L	U	Y												

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
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Well/Boring:	1775
Sample ID:	063854
Sample Date:	10-SEP-91
Top Depth (ft):	0
Bottom Depth (ft):	30

Parameters	LQ	Result	Unit	VQ	TCLP
bis(2-Chloroethoxy)methane	U	20	UG/L	U	Y
bis(2-Chloroethyl)ether	U	20	UG/L	U	Y
bis(2-Chloroisopropyl) ether	U	20	UG/L	U	Y
bis(2-Ethylhexyl) phthalate	U	20	UG/L	U	Y
1,1,1-Trichloroethane					
1,1,2,2-Tetrachloroethane					
1,1,2-Trichloroethane					
1,1-Dichloroethane					
1,1-Dichloroethene					
1,2-Dichloroethane					
1,2-Dichloroethylene					
1,2-Dichloropropane					
2-Butanone					
2-Hexanone					
4-Methyl-2-pentanone					
Acetone					
Benzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon Tetrachloride					

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1774				1774				1774				1774		
Sample ID:	063669				063685				063686				063705		
Sample Date:	26-AUG-91				26-AUG-91				26-AUG-91				27-AUG-91		
Top Depth (ft):	9.5				19				19.5				30.5		
Bottom Depth (ft):	10				19.5				20				31		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Carbon disulfide									U	5	UG/L	U	Y			
Chlorobenzene									U	5	UG/L	U	Y			
Chloroethane									U	10	UG/L	U	Y			
Chloroform										7	UG/L	R	Y			
Chloromethane									U	10	UG/L	U	Y			
Dibromochloromethane									U	5	UG/L	U	Y			
Ethylbenzene									U	5	UG/L	U	Y			
Methylene chloride									B	23	UG/L	J	Y			
Styrene									U	5	UG/L	U	Y			
Tetrachlorethene									J	2	UG/L	R	Y			
Toluene									BJ	1	UG/L	J	Y			
Total xylenes									U	5	UG/L	U	Y			
Trichloroethene									U	5	UG/L	UJ	Y			
Vinyl Acetate									U	10	UG/L	U	Y			
Vinyl chloride									U	10	UG/L	R	Y			
cis-1,3-Dichloropropene									U	5	UG/L	U	Y			
trans-1,3-Dichloropropene									U	5	UG/L	U	Y			

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1773					1773				1773				1773		
Sample ID:	063753					063754				063778				063782		
Sample Date:	05-SEP-91					05-SEP-91				05-SEP-91				06-SEP-91		
Top Depth (ft):	15.5					16				30				9		
Bottom Depth (ft):	16					16.5				30.5				18		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Carbon disulfide	U	5	UG/L	U	Y															
Chlorobenzene	U	5	UG/L	U	Y															
Chloroethane	U	10	UG/L	U	Y															
Chloroform	U	5	UG/L	U	Y															
Chloromethane	U	10	UG/L	U	Y															
Dibromochloromethane	U	5	UG/L	U	Y															
Ethylbenzene	U	5	UG/L	U	Y															
Methylene chloride	-	45	UG/L	-	Y															
Styrene	U	5	UG/L	U	Y															
Tetrachlorethene	-	1000	UG/L	-	Y															
Toluene	U	3	UG/L	U	Y															
Total xylenes	J	2	UG/L	U	Y															
Trichloroethene		13	UG/L	-	Y															
Vinyl Acetate	U	10	UG/L	U	Y															
Vinyl chloride	U	10	UG/L	U	Y															
cis-1,3-Dichloropropene	U	5	UG/L	U	Y															
trans-1,3-Dichloropropene	U	5	UG/L	U	Y															

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1991 RI/FS - Pit 4
Pit Material Organic Results

Well/Boring:	1775					1775					1775					1775			
Sample ID:	063830					063847					063850					063852			
Sample Date:	09-SEP-91					09-SEP-91					10-SEP-91					10-SEP-91			
Top Depth (ft):	18.5					29.5					10					19			
Bottom Depth (ft):	19					30					19					30			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Carbon disulfide	U	5	UG/L	U	Y															
Chlorobenzene	U	5	UG/L	U	Y															
Chloroethane	U	10	UG/L	U	Y															
Chloroform	J	2	UG/L	J	Y															
Chloromethane	U	10	UG/L	U	Y															
Dibromochloromethane	U	5	UG/L	U	Y															
Ethylbenzene	J	1	UG/L	J	Y															
Methylene chloride	B	61	UG/L	U	Y															
Styrene	U	5	UG/L	U	Y															
Tetrachlorethene	D	1200	UG/L	-	Y															
Toluene	BJ	5	UG/L	U	Y															
Total xylenes		11	UG/L	U	Y															
Trichloroethene		52	UG/L	U	Y															
Vinyl Acetate	U	10	UG/L	U	Y															
Vinyl chloride	U	10	UG/L	U	Y															
cis-1,3-Dichloropropene	U	5	UG/L	U	Y															
trans-1,3-Dichloropropene	U	5	UG/L	U	Y															

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A.4.1.6

PIT 1
PIT MATERIAL
EXTRACTION PROCEDURE TOXICITY RESULTS

Characterization Investigation Study - Pit 4
Extraction Procedure Toxicity Data

Well/Boring:	04-01			04-02			04-02			04-03		
Chemical Parameters Sample ID:	PS-04-001			PS-04-021			PS-04-022			PS-04-038		
Sample Date:	4/21/87			4/22/87			4/22/87			4/24/87		
Top Depth (ft):	0			0			0			0		
Bottom Depth (ft):	20			20			20			20		
	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		>800	DEG F		>800	DEG F		>800	DEG F		>800	DEG F
CORROSIVITY		6.80	PHU		6.20	PHU		6.10	PHU		7.30	PHU
REACTIVITY (SULFIDE)	U	0.33	MG/KG		0.5	MG/KG	U	0.29	MG/KG	U	0.33	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE	U	1000	UG/L		1020	UG/L		1220	UG/L	U	1000	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L	U	0.2	UG/L	U	0.2	UG/L		1.1	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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Characterization Investigation Study - Pit 4
Extraction Procedure Toxicity Data

Well/Boring:		04-04	
Chemical Parameters Sample ID:		PS-04-061	
Sample Date:		5/4/87	
Top Depth (ft):		0	
Bottom Depth (ft):		20	
	LQ	Result	Unit
IGNITABILITY		>800	DEG F
CORROSIVITY		7.70	PHU
REACTIVITY (SULFIDE)	U	0.29	MG/KG
SILVER, EP LEACHATE		2770	UG/L
ARSENIC, EP LEACHATE		582	UG/L
BARIUM, EP LEACHATE		81500	UG/L
CADMIUM, EP LEACHATE		141	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L
LEAD, EP LEACHATE		753	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

Submittal Date: 08-FEB-94
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A.4.2

PIT 4
PIT LEACHATE

A.4.2.1

PIT 4
PIT LEACHATE
RADIOLOGICAL RESULTS

1991 RI/FS - Pit 4
Pit Leachate Radiological Results

Well/Boring:	1773					1775					1774				
Sample ID:	063932					063934					063937				
Sample Date:	12-NOV-91					12-NOV-91					13-NOV-91				
Top Depth (ft):	N/A					N/A					N/A				
Bottom Depth (ft):	N/A					N/A					N/A				
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
CESIUM-137	U	34	PCI/L	UD		U	20	PCI/L	U		U	20	PCI/L	UJ	
GROSS ALPHA		133784	PCI/L	NV			17100	PCI/L	NV			37403	PCI/L	NV	
GROSS BETA		181294	PCI/L	NV			14700	PCI/L	NV			28342	PCI/L	NV	
NEPTUNIUM-237															
PLUTONIUM-238	U	1	PCI/L	U		U	1	PCI/L	U		U	1	PCI/L	U	
PLUTONIUM-239/240	U	1	PCI/L	U		U	1	PCI/L	U		U	1	PCI/L	U	
RADIUM-226	U	1	PCI/L	UJ			5.46	PCI/L	J			9.25	PCI/L	-	
RADIUM-228		8.51	PCI/L	-			14.8	PCI/L	R			32.9	PCI/L	R	
RUTHENIUM-106	U	311	PCI/L	UD		U	150	PCI/L	U		U	150	PCI/L	UJ	
STRONTIUM-90		17.2	PCI/L	J		U	5	PCI/L	UJ			5.43	PCI/L	-	
TECHNETIUM-99		352	PCI/L	J		U	30	PCI/L	U			171	PCI/L	J	
THORIUM-228		13.8	PCI/L	J								13	PCI/L	-	
THORIUM-230		5.17	PCI/L	J							U	3.8	PCI/L	UD	
THORIUM-232	U	1.6	PCI/L	UJD							U	1.9	PCI/L	UD	
THORIUM-TOTAL	U	15	UG/L	UJD							U	17	UG/L	UD	
URANIUM-234		147000	PCI/L	F								24100	PCI/L	J	
URANIUM-235/236		27200	PCI/L	-								1580	PCI/L	J	
URANIUM-238		426000	PCI/L	C								26700	PCI/L	J	
URANIUM-TOTAL		500000	UG/L	K			40800	UG/L	K			69500	UG/L	-	
CESIUM-137	U	34	PCI/L	UD	Y	U	20	PCI/L	U	Y	U	20	PCI/L	UJ	Y
GROSS ALPHA		133784	PCI/L	NV	Y		17100	PCI/L	NV	Y		37403	PCI/L	NV	Y

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1991 RI/FS - Pit 4
Pit Leachate Radiological Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1773					1775					1774			
Sample ID:		063932					063934					063937			
Sample Date:		12-NOV-91					12-NOV-91					13-NOV-91			
Top Depth (ft):		N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A			
GROSS BETA		181294	PCI/L	NV	Y		14700	PCI/L	NV	Y		28342	PCI/L	NV	Y
PLUTONIUM-238	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y
PLUTONIUM-239/240	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y	U	1	PCI/L	U	Y
RADIUM-226	U	1	PCI/L	UJ	Y		5.46	PCI/L	J	Y		9.25	PCI/L	-	Y
RADIUM-228		8.51	PCI/L	-	Y		14.8	PCI/L	R	Y		32.9	PCI/L	R	Y
RUTHENIUM-106	U	311	PCI/L	UD	Y	U	150	PCI/L	U	Y	U	150	PCI/L	UJ	Y
STRONTIUM-90		17.2	PCI/L	J	Y	U	5	PCI/L	UJ	Y		5.43	PCI/L	-	Y
TECHNETIUM-99		352	PCI/L	J	Y	U	30	PCI/L	U	Y		171	PCI/L	J	Y
URANIUM-234		147000	PCI/L	F	Y							24100	PCI/L	J	Y
URANIUM-235/236		27200	PCI/L	-	Y							1580	PCI/L	J	Y
URANIUM-238		426000	PCI/L	C	Y							26700	PCI/L	J	Y
URANIUM-TOTAL		500000	UG/L	K	Y		40800	UG/L	K	Y		69500	UG/L	-	Y

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A.4.2.2

PIT 4
PIT LEACHATE
INORGANIC RESULTS

1991 RI/FS - Pit 4
Pit Leachate Inorganic Results

Well/Boring:	1773					1775					1774		
Sample ID:	063932					063934					063937		
Sample Date:	12-NOV-91					12-NOV-91					13-NOV-91		
Top Depth (ft):	N/A					N/A					N/A		
Bottom Depth (ft):	N/A					N/A					N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Alkalinity as CaCO3		835	MG/L	-			255	MG/L	-						
Ammonia		51.5	MG/L	-			81.2	MG/L	-			9.28	MG/L	-	
Bromide	U	1	MG/L	U		U	1	MG/L	U		U	1	MG/L	U	
Chloride		5048	MG/L	-			1888	MG/L	-			5251	MG/L	-	
Cyanide	*	20.2	UG/L	J		*	24.6	UG/L	J		*	26.5	UG/L	J	
Fluoride	U	.4	MG/L	U							U	.4	MG/L	U	
Nitrate	U	.4	MG/L	U			7.26	MG/L	-		U	.4	MG/L	U	
Oxidation-Reduction Potential							126	MV	-						
Oxidation-Reduction Potential		103	MV	-								222.1	MV	-	
Phosphate		.381	MG/L	-			4.97	MG/L	-						
Phosphorus						U	1	MG/L	U		U	1	MG/L	U	
Sulfate		125	MG/L	-			1.85	MG/L	-			1.85	MG/L	-	
Sulfide	U	.5	MG/L	U		U	.5	MG/L	U		U	.5	MG/L	U	
Total Organic Carbon		47.7	MG/L	-			70	MG/L	-			80.6	MG/L	-	
Total Organic Nitrogen															
pH		7.18	S.U.	-			7.09	S.U.	-						
Aluminum	EN	12400	UG/L	J		EN	1270	UG/L	J		EN	4760	UG/L	J	
Antimony		775	UG/L	J			198	UG/L	J			956	UG/L	J	
Arsenic	BW	2.3	UG/L	J		B	2.5	UG/L	J		U	2	UG/L	U	
Barium	E	2790	UG/L	J		BE	98.7	UG/L	-		E	273	UG/L	J	
Beryllium		80.9	UG/L	-			10.3	UG/L	-			17.9	UG/L	-	

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1991 RI/FS - Pit 4
Pit Leachate Inorganic Results

Well/Boring:	1773				1775				1774			
Sample ID:	063932				063934				063937			
Sample Date:	12-NOV-91				12-NOV-91				13-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Boron	EN	2930	UG/L	J	EN	1010	UG/L	J	EN	1030	UG/L	J
Cadmium	N	102	UG/L	J	N	29.8	UG/L	J	N	118	UG/L	J
Calcium		386000	UG/L	-		78600	UG/L	-		703000	UG/L	-
Chromium		2220	UG/L	-		241	UG/L	J		800	UG/L	J
Cobalt	N	338	UG/L	J	N	52.1	UG/L	J	N	236	UG/L	J
Copper	EN	643	UG/L	J	EN	66.3	UG/L	J	EN	165	UG/L	J
Iron	E	1050	UG/L	J	E	10200	UG/L	-	BE	443	UG/L	J
Lead		2	UG/L	-	U	2	UG/L	U	U	2	UG/L	U
Magnesium		959000	UG/L	-		227000	UG/L	-		1070000	UG/L	-
Manganese		104000	UG/L	-		44000	UG/L	-		558000	UG/L	-
Mercury		.2	UG/L	-	U	.2	UG/L	U	U	.2	UG/L	UJ
Molybdenum	EN	629	UG/L	J	EN	561	UG/L	J	EN	399	UG/L	J
Nickel	N	735	UG/L	J	N	232	UG/L	J	N	2130	UG/L	J
Potassium		478000	UG/L	-		189000	UG/L	-		22600	UG/L	-
Selenium	UW	2	UG/L	UJ	UW	2	UG/L	UJ	BW	2.5	UG/L	J
Silicon	E	10500	UG/L	-	E	15300	UG/L	-	E	20200	UG/L	J
Silver	N	1160	UG/L	J	N	124	UG/L	J	N	338	UG/L	J
Sodium		833000	UG/L	-		778000	UG/L	-		236000	UG/L	-
Thallium	UEN	10	UG/L	UJ	UWN	2	UG/L	UJ	UWN	10	UG/L	UJ
Tin	U	200	UG/L	U	U	200	UG/L	U	U	200	UG/L	U
Vanadium	EN	929	UG/L	J	EN	110	UG/L	J	EN	298	UG/L	J

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1991 RI/FS - Pit 4
Pit Leachate Inorganic Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1773					1775					1774			
Sample ID:		063932					063934					063937			
Sample Date:		12-NOV-91					12-NOV-91					13-NOV-91			
Top Depth (ft):		N/A					N/A					N/A			
Bottom Depth (ft):		N/A					N/A					N/A			
Zinc		81.7	UG/L	J		B	8.9	UG/L	J			412	UG/L	-	
Aluminum	EN	12400	UG/L	J	Y	EN	1270	UG/L	J	Y	EN	4760	UG/L	J	Y
Antimony		775	UG/L	J	Y		198	UG/L	J	Y		956	UG/L	J	Y
Arsenic	BW	2.3	UG/L	J	Y	B	2.5	UG/L	J	Y	U	2	UG/L	U	Y
Barium	E	2790	UG/L	J	Y	BE	98.7	UG/L	-	Y	E	273	UG/L	J	Y
Beryllium		80.9	UG/L	-	Y		10.3	UG/L	-	Y		17.9	UG/L	-	Y
Boron	EN	2930	UG/L	J	Y	EN	1010	UG/L	J	Y	EN	1030	UG/L	J	Y
Cadmium	N	102	UG/L	J	Y	N	29.8	UG/L	J	Y	N	118	UG/L	J	Y
Calcium		386000	UG/L	-	Y		78600	UG/L	-	Y		703000	UG/L	-	Y
Chromium		2220	UG/L	-	Y		241	UG/L	J	Y		800	UG/L	J	Y
Cobalt	N	338	UG/L	J	Y	N	52.1	UG/L	J	Y	N	236	UG/L	J	Y
Copper	EN	643	UG/L	J	Y	EN	66.3	UG/L	J	Y	EN	165	UG/L	J	Y
Iron	E	1050	UG/L	J	Y	E	10200	UG/L	-	Y	BE	443	UG/L	J	Y
Lead		2	UG/L	-	Y	U	2	UG/L	U	Y	U	2	UG/L	U	Y
Magnesium		959000	UG/L	-	Y		227000	UG/L	-	Y		1070000	UG/L	-	Y
Manganese		104000	UG/L	-	Y		44000	UG/L	-	Y		558000	UG/L	-	Y
Mercury		.2	UG/L	-	Y	U	.2	UG/L	U	Y	U	.2	UG/L	UJ	Y
Molybdenum	EN	629	UG/L	J	Y	EN	561	UG/L	J	Y	EN	399	UG/L	J	Y
Nickel	N	735	UG/L	J	Y	N	232	UG/L	J	Y	N	2130	UG/L	J	Y
Potassium		478000	UG/L	-	Y		189000	UG/L	-	Y		22600	UG/L	-	Y
Selenium	UW	2	UG/L	UJ	Y	UW	2	UG/L	UJ	Y	BW	2.5	UG/L	J	Y

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1991 RI/FS - Pit 4
Pit Leachate Inorganic Results

Well/Boring:	1773					1775					1774			
Sample ID:	063932					063934					063937			
Sample Date:	12-NOV-91					12-NOV-91					13-NOV-91			
Top Depth (ft):	N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Silicon	E	10500	UG/L	-	Y	E	15300	UG/L	-	Y	E	20200	UG/L	J	Y
Silver	N	1160	UG/L	J	Y	N	124	UG/L	J	Y	N	338	UG/L	J	Y
Sodium		833000	UG/L	-	Y		778000	UG/L	-	Y		236000	UG/L	-	Y
Thallium	UEN	10	UG/L	UJ	Y	UWN	2	UG/L	UJ	Y	UWN	10	UG/L	UJ	Y
Tin	U	200	UG/L	U	Y	U	200	UG/L	U	Y	U	200	UG/L	U	Y
Vanadium	EN	929	UG/L	J	Y	EN	110	UG/L	J	Y	EN	298	UG/L	J	Y
Zinc		81.7	UG/L	J	Y	B	8.9	UG/L	J	Y		412	UG/L	-	Y

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PIT 4
PIT LEACHATE
ORGANIC RESULTS

1991 RI/FS - Pit 4
Pit Leachate Organic Results

Well/Boring:	1773				1775				1774			
Sample ID:	063932				063934				063937			
Sample Date:	12-NOV-91				12-NOV-91				13-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Phenanthrene	U	10	UG/L	U	U	10	UG/L	U				
Phenol	U	10	UG/L	U	U	10	UG/L	U				
Phorate	U	15	UG/L	U	U	15	UG/L	U	U	15	UG/L	U
Pronamide	U	30	UG/L	UJ	U	30	UG/L	UJ				
Pyrene	U	10	UG/L	U	U	10	UG/L	U				
Pyridine	U	10	UG/L	U	U	10	UG/L	U				
Safrole	U	10	UG/L	UJ	U	10	UG/L	UJ				
Sulfotepp	U	10	UG/L	UJ	U	10	UG/L	U	U	15	UG/L	U
Tributyl phosphate	U	10	UG/L	U		40	UG/L	U				
Triethylphosphorothioate												
a,a-Dimethylphenethylamine	U	10	UG/L	UJ	U	10	UG/L	UJ				
bis(2-Chloroethoxy)methane	U	10	UG/L	U	U	10	UG/L	U				
bis(2-Chloroethyl)ether	U	10	UG/L	U	U	10	UG/L	U				
bis(2-Chloroisopropyl) ether	U	10	UG/L	U	U	10	UG/L	U				
bis(2-Ethylhexyl) phthalate	U	10	UG/L	U	U	10	UG/L	U				
o-Toluidine	U	10	UG/L	UJ	U	10	UG/L	UJ				
p-Dimethylaminoazobenzene	U	30	UG/L	UJ	U	30	UG/L	UJ				
p-Phenylenediamine	U	50	UG/L	UJ	U	50	UG/L	UJ				
1,1,1,2-Tetrachloroethane	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	U
1,1,1-Trichloroethane						5	UG/L	-	B	120	UG/L	-
1,1,2,2-Tetrachloroethane		6	UG/L	J	U	5	UG/L	U	U	5	UG/L	U

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Pit Leachate Organic Results

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Sample ID:	063932				063934				063937			
Sample Date:	12-NOV-91				12-NOV-91				13-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
1,1,2-Trichloroethane	U	5	UG/L	UJ	U	5	UG/L	U	U	5	UG/L	U
1,1-Dichloroethane		160	UG/L	J		20	UG/L	-		87	UG/L	-
1,1-Dichloroethene		9	UG/L	J	U	5	UG/L	U		10	UG/L	-
1,2,3-Trichloropropane	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	U
1,2-Dibromo-3-chloropropane	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	U
1,2-Dibromoethane	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	U
1,2-Dichloroethane	U	5	UG/L	UJ	U	5	UG/L	U	U	5	UG/L	U
1,2-Dichloroethylene		180	UG/L	J		21	UG/L	-	U	5	UG/L	U
1,2-Dichloropropane	U	5	UG/L	UJ	U	5	UG/L	U	U	5	UG/L	U
1,4-Dioxane	J	190	UG/L	J	U	200	UG/L	R		630	UG/L	R
2-Butanone		92	UG/L	J		24	UG/L	-	D	180	UG/L	-
2-Chloro-1,3-butadiene	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	U
2-Hexanone	J	1	UG/L	J		29	UG/L	-		53	UG/L	-
3-Chloropropene	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
4-Methyl-2-pentanone		16	UG/L	J	D	46	UG/L	-		34	UG/L	-
Acetone	B	78	UG/L	J	B	22	UG/L	J	BD	540	UG/L	J
Acetonitrile		69	UG/L	J	J	19	UG/L	J	U	20	UG/L	R
Acrolein	U	20	UG/L	UJ	U	20	UG/L	UJ	U	20	UG/L	UJ
Acrylonitrile	U	20	UG/L	R	U	20	UG/L	R	U	20	UG/L	R
Benzene	J	3	UG/L	J	U	5	UG/L	U	U	5	UG/L	U
Bromodichloromethane	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	U

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Top Depth (ft):	N/A					N/A					N/A		
Bottom Depth (ft):	N/A					N/A					N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Chlorobenzilate	U	1	UG/L	U		U	1	UG/L	U		U	10	UG/L	-	
Chrysene	U	10	UG/L	U		U	10	UG/L	U						
Di-n-butyl phthalate	U	10	UG/L	U		U	10	UG/L	U						
Di-n-octyl phthalate	U	10	UG/L	U		U	10	UG/L	U						
Diallate	U	10	UG/L	UJ		U	10	UG/L	UJ						
Dibenzo(a,h)anthracene	U	10	UG/L	U		U	10	UG/L	U						
Dibenzofuran	U	10	UG/L	U		U	10	UG/L	U						
Diethyl phthalate	U	10	UG/L	U		U	10	UG/L	U						
Dimethyl phthalate	U	10	UG/L	U		U	10	UG/L	U						
Dinoseb	U	5.7	UG/L	U		U	5.7	UG/L	U		U	11	UG/L	U	
Diphenylamine	U	10	UG/L	R		U	10	UG/L	R						
Ethyl methanesulfonate	U	10	UG/L	UJ		U	10	UG/L	UJ						
Fluoranthene	U	10	UG/L	U		J	2	UG/L	J						
Fluorene	U	10	UG/L	U		J	9	UG/L	J						
Hexachlorobenzene	U	10	UG/L	U		U	10	UG/L	U						
Hexachlorobutadiene	U	10	UG/L	U		U	10	UG/L	U						
Hexachlorocyclopentadiene	U	10	UG/L	UJ		U	10	UG/L	UJ						
Hexachloroethane	U	10	UG/L	U		U	10	UG/L	U						
Hexachlorophene	U	50	UG/L	UJ		U	50	UG/L	UJ						
Hexachloropropene	U	20	UG/L	R		U	20	UG/L	R						
Indeno(1,2,3-cd)pyrene	U	10	UG/L	U		U	10	UG/L	U						

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1991 RI/FS - Pit 4
Pit Leachate Organic Results

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Sample ID:	063932				063934				063937			
Sample Date:	12-NOV-91				12-NOV-91				13-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Isophorone	U	10	UG/L	UJ	U	10	UG/L	UJ				
Isosafrole	U	10	UG/L	UJ	U	10	UG/L	UJ				
Methapyrilene	U	40	UG/L	UJ	U	40	UG/L	UJ				
Methyl methanesulfonate	U	10	UG/L	R	U	10	UG/L	R				
N-Nitroso-di-n-propylamine	U	10	UG/L	UJ	U	10	UG/L	UJ				
N-Nitrosodi-n-butylamine	U	20	UG/L	UJ	U	20	UG/L	UJ				
N-Nitrosodiethylamine	U	10	UG/L	UJ	U	10	UG/L	UJ				
N-Nitrosodimethylamine	U	10	UG/L	U	U	10	UG/L	U				
N-Nitrosodiphenylamine	U	10	UG/L	U	U	10	UG/L	U				
N-Nitrosomethylethylamine	U	10	UG/L	UJ	U	10	UG/L	UJ				
N-Nitrosomorpholine	U	10	UG/L	U	U	10	UG/L	U				
N-Nitrosopiperidine	U	10	UG/L	UJ	U	10	UG/L	UJ				
N-Nitrosopyrrolidine	U	10	UG/L	UJ	U	10	UG/L	UJ				
Naphthalene	U	10	UG/L	U		16	UG/L	-				
Nitrobenzene	U	10	UG/L	U	U	10	UG/L	U				
O,O,O-Triethylphosphorothioate	U	15	UG/L	R	U	15	UG/L	R	U	15	UG/L	U
Pentachlorobenzene	U	20	UG/L	UJ	U	20	UG/L	UJ				
Pentachloroethane	U	20	UG/L	UJ	U	20	UG/L	UJ				
Pentachloronitrobenzene	U	20	UG/L	U	U	20	UG/L	U				
Pentachlorophenol	U	50	UG/L	U	U	50	UG/L	U				
Phenacetin	U	10	UG/L	UJ	U	10	UG/L	UJ				

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Bottom Depth (ft):	N/A					N/A				N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Bromoform	U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Bromomethane	U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
Carbon Tetrachloride	U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Carbon disulfide	U	5	UG/L	UJ		U	5	UG/L	U		J	1	UG/L	J	
Chlorobenzene	U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Chloroethane	J	6	UG/L	J		J	2	UG/L	J		J	2	UG/L	J	
Chloroform	D	38	UG/L	-		BD	94	UG/L	-		D	1300	UG/L	-	
Chloromethane	U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
Dibromochloromethane	U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Dibromomethane	U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
Dichlorodifluoromethane	U	200	UG/L	R		U	200	UG/L	R		U	200	UG/L	R	
Ethyl cyanide	U	10	UG/L	UJ		U	10	UG/L	UJ		J	1	UG/L	J	
Ethyl methacrylate	U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
Ethylbenzene	U	5	UG/L	UJ		J	1	UG/L	J		U	5	UG/L	U	
Iodomethane	U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
Isobutyl alcohol	J	19	UG/L	J		U	200	UG/L	UJ		J	59	UG/L	J	
Methacrylonitrile	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	U	
Methyl methacrylate	U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
Methylene chloride		55	UG/L	J			47	UG/L	-		BD	490	UG/L	-	
Styrene	U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
Tetrachlorethene	D	140	UG/L	-			40	UG/L	-		J	4	UG/L	J	

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Pit Leachate Organic Results

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Well/Boring:	1773					1775					1774		
Sample ID:	063932					063934					063937		
Sample Date:	12-NOV-91					12-NOV-91					13-NOV-91		
Top Depth (ft):	N/A					N/A					N/A		
Bottom Depth (ft):	N/A					N/A					N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Toluene	J	3	UG/L	J		U	5	UG/L	U			6	UG/L	-	
Total xylenes		5	UG/L	J		J	3	UG/L	J		J	1	UG/L	J	
Trichloroethene		39	UG/L	J			99	UG/L	-		J	3	UG/L	J	
Trichlorofluoromethane	U	10	UG/L	UJ		J	1	UG/L	J		J	2	UG/L	J	
Vinyl Acetate	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
Vinyl chloride	U	10	UG/L	UJ		J	6	UG/L	J		U	10	UG/L	U	
cis-1,3-Dichloropropene	U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
trans-1,3-Dichloropropene	U	5	UG/L	UJ		U	5	UG/L	U		U	5	UG/L	U	
trans-1,4-Dichloro-2-butene	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit 4
Pit Leachate Organic Results

Well/Boring:	1773					1775				1774		
Sample ID:	063932					063934				063937		
Sample Date:	12-NOV-91					12-NOV-91				13-NOV-91		
Top Depth (ft):	N/A					N/A				N/A		
Bottom Depth (ft):	N/A					N/A				N/A		
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
1,2,3,4,6,7,8-HpCDD	U	.94	NG/L	U		U	.45	NG/L	U		U	.82	NG/L	U	
1,2,3,4,6,7,8-HpCDF	U	2	NG/L	U		U	.66	NG/L	U		U	.84	NG/L	U	
1,2,3,4,7,8,9-Heptachlorodiben	U	2.8	NG/L	U		U	.93	NG/L	U		U	1.2	NG/L	U	
1,2,3,4,7,8-Hexachlorodibenzo-	U	.86	NG/L	U		U	.55	NG/L	U		U	.81	NG/L	U	
1,2,3,4,7,8-Hexachlorodibenzof	U	1.2	NG/L	U		U	.98	NG/L	U		U	1.2	NG/L	U	
1,2,3,6,7,8-Hexachlorodibenzo-	U	.68	NG/L	U		U	.44	NG/L	U		U	.65	NG/L	U	
1,2,3,6,7,8-Hexachlorodibenzof	U	1	NG/L	U		U	.87	NG/L	U		U	1	NG/L	U	
1,2,3,7,8,9-Hexachlorodibenzo-	U	.72	NG/L	U		U	.46	NG/L	U		U	.68	NG/L	U	
1,2,3,7,8,9-Hexachlorodibenzof	U	1.3	NG/L	U		U	1.1	NG/L	U		U	1.3	NG/L	U	
1,2,3,7,8-Pentachlorodibenzo-p	U	1.5	NG/L	UJ		U	.61	NG/L	UJ		U	1	NG/L	UJ	
1,2,3,7,8-Pentachlorodibenzofu	U	1	NG/L	U		U	.91	NG/L	U		U	1	NG/L	U	
2,3,4,6,7,8-Hexachlorodibenzof	U	1.2	NG/L	U		U	1	NG/L	U		U	1.2	NG/L	U	
2,3,4,7,8-Pentachlorodibenzofu	U	1.1	NG/L	U		U	.99	NG/L	U		U	1.1	NG/L	U	
2,3,7,8-TCDD	U	.2	NG/L	U		U	.54	NG/L	U		U	.043	NG/L	U	
2,3,7,8-TCDF	U	2.1	NG/L	U		U	2.8	NG/L	U		U	3.6	NG/L	U	
Heptachlorodibenzo-p-dioxin	U	.94	NG/L	U		U	.45	NG/L	U		U	.82	NG/L	U	
Heptachlorodibenzofuran	U	2.4	NG/L	U		U	.77	NG/L	U		U	.98	NG/L	U	
Hexachlorodibenzo-p-dioxin	U	.75	NG/L	U		U	.48	NG/L	U		U	.71	NG/L	U	
Hexachlorodibenzofuran	U	1.2	NG/L	U		U	.99	NG/L	U		U	1.2	NG/L	U	
Octachlorodibenzo-p-dioxin	U	1.1	NG/L	U		U	1.2	NG/L	UJ		U	.9	NG/L	U	
Octachlorodibenzofuran	U	.74	NG/L	U		U	.58	NG/L	U		U	.9	NG/L	U	

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FEMP OU1RI-5 USEPA

-51129

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1991 RI/FS - Pit 4
Pit Leachate Organic Results

Well/Boring:	1773				1775				1774			
Sample ID:	063932				063934				063937			
Sample Date:	12-NOV-91				12-NOV-91				13-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Pentachlorodibenzo-p-dioxin	U	1.5	NG/L	UJ	U	.61	NG/L	UJ	U	1	NG/L	UJ
Pentachlorodibenzofuran	U	1.1	NG/L	U	U	.95	NG/L	U	U	1	NG/L	U
Tetrachlorodibenzo-p-dioxin	U	.68	NG/L	U	U	.99	NG/L	U	U	1.4	NG/L	U
Tetrachlorodibenzofuran	U	.69	NG/L	U	U	1.2	NG/L	U	U	1.7	NG/L	UJ
2,4,5-T	U	16	UG/L	U	U	16	UG/L	U	U	30	UG/L	U
2,4,5-TP (Silvex)	U	15	UG/L	U	U	15	UG/L	U	U	28	UG/L	U
2,4-D	U	82	UG/L	U	U	81	UG/L	U	U	10	UG/L	U
Dinoseb	U	5.7	UG/L	U	U	5.7	UG/L	U	U	11	UG/L	U
Sulfotepp	U	10	UG/L	UJ	U	10	UG/L	U	U	15	UG/L	U
Dimethoate									U	15	UG/L	U
Disulfoton	U	15	UG/L	U	U	15	UG/L	U	U	15	UG/L	U
Famphur									U	15	UG/L	U
Parathion, ethyl									U	15	UG/L	U
Parathion, methyl	U	15	UG/L	U	U	15	UG/L	U	U	15	UG/L	U
Tetraethylpyrophosphate	U	15	UG/L	U	U	15	UG/L	U	U	15	UG/L	U
Thionazin					U	15	UG/L	U	U	15	UG/L	U
4,4-DDD	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
4,4-DDE	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
4,4-DDT	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
Aldrin	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U
Aroclor-1016	U	5	UG/L	U	U	5	UG/L	U	U	50	UG/L	U

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1991 RI/FS - Pit 4
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Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Aroclor-1221	U	5	UG/L	U	U	5	UG/L	U	U	50	UG/L	U
Aroclor-1232	U	5	UG/L	U	U	5	UG/L	U	U	50	UG/L	U
Aroclor-1242	U	5	UG/L	U	U	5	UG/L	U	U	50	UG/L	U
Aroclor-1248	U	5	UG/L	U	U	5	UG/L	U	U	50	UG/L	U
Aroclor-1254	U	10	UG/L	U	U	10	UG/L	U	U	100	UG/L	U
Aroclor-1260	U	10	UG/L	U	U	10	UG/L	U	U	100	UG/L	U
Dieldrin	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
Endosulfan II	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
Endosulfan sulfate	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
Endosulfan-I	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U
Endrin	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
Endrin ketone	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
Heptachlor	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U
Heptachlor epoxide	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U
Isodrin	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U
Kepone	U	1	UG/L	U	U	1	UG/L	U	U	10	UG/L	U
Methoxychlor	U	5	UG/L	U	U	5	UG/L	U	U	50	UG/L	U
Toxaphene	U	10	UG/L	U	U	10	UG/L	U	U	100	UG/L	U
alpha-BHC	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U
alpha-Chlordane	U	5	UG/L	U	U	5	UG/L	U	U	50	UG/L	U
beta-BHC	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U

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Sample ID:	063932				063934				063937			
Sample Date:	12-NOV-91				12-NOV-91				13-NOV-91			
Top Depth (ft):	N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
delta-BHC	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U
gamma-BHC (Lindane)	U	.5	UG/L	U	U	.5	UG/L	U	U	5	UG/L	U
gamma-Chlordane	U	5	UG/L	U	U	5	UG/L	U	U	50	UG/L	U
1,2,4,5-Tetrachlorobenzene	U	10	UG/L	UJ	U	10	UG/L	UJ				
1,2,4-Trichlorobenzene	U	10	UG/L	U	U	10	UG/L	U				
1,2-Dichlorobenzene	U	10	UG/L	U	U	10	UG/L	U				
1,3,5-Trinitrobenzene	U	10	UG/L	R	U	10	UG/L	R				
1,3-Dichlorobenzene	U	10	UG/L	U	U	10	UG/L	U				
1,3-Dinitrobenzene	U	10	UG/L	UJ	U	10	UG/L	UJ				
1,4-Dichlorobenzene	U	10	UG/L	U	U	10	UG/L	U				
1,4-Naphthoquinone	U	10	UG/L	R	U	10	UG/L	R				
1-Naphthylamine	U	120	UG/L	R	U	120	UG/L	R				
2,3,4,6-Tetrachlorophenol	U	10	UG/L	UJ	U	10	UG/L	UJ				
2,4,5-Trichlorophenol	U	50	UG/L	U	U	50	UG/L	U				
2,4,6-Trichlorophenol	U	10	UG/L	U	U	10	UG/L	U				
2,4-Dichlorophenol	U	10	UG/L	U	U	10	UG/L	U				
2,4-Dimethylphenol		86	UG/L	-	U	10	UG/L	U				
2,4-Dinitrophenol	U	50	UG/L	U	U	50	UG/L	U				
2,4-Dinitrotoluene	U	10	UG/L	U	U	10	UG/L	U				
2,6-Dichlorophenol	U	10	UG/L	UJ	U	10	UG/L	UJ				
2,6-Dinitrotoluene	J	5	UG/L	J	U	10	UG/L	U				

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FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit 4
Pit Leachate Organic Results

Well/Boring:	1773				1775				1774		
Sample ID:	063932				063934				063937		
Sample Date:	12-NOV-91				12-NOV-91				13-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
2-Acetylaminofluorene	U	10	UG/L	U	U	10	UG/L	U				
2-Chloronaphthalene	U	10	UG/L	U	U	10	UG/L	U				
2-Chlorophenol	U	10	UG/L	U	U	10	UG/L	U				
2-Methylnaphthalene	U	10	UG/L	UJ	J	6	UG/L	J				
2-Methylphenol		23	UG/L	-	U	10	UG/L	U				
2-Naphthylamine	U	170	UG/L	R	U	170	UG/L	R				
2-Nitroaniline	U	50	UG/L	U	U	50	UG/L	U				
2-Nitrophenol	U	10	UG/L	U	U	10	UG/L	U				
2-Picoline	U	70	UG/L	UJ	U	70	UG/L	UJ				
3,3'-Dichlorobenzidine	U	20	UG/L	U	U	20	UG/L	U				
3,3'-Dimethylbenzidine	U	80	UG/L	U	U	80	UG/L	U				
3-Methylcholanthrene	U	30	UG/L	U	U	30	UG/L	U				
3-Methylphenol	U	10	UG/L	R	U	10	UG/L	R				
3-Nitroaniline	U	50	UG/L	UJ	U	50	UG/L	UJ				
4,6-Dinitro-2-methylphenol	U	50	UG/L	U	U	50	UG/L	U				
4-Aminobiphenyl	U	50	UG/L	UJ	U	50	UG/L	UJ				
4-Bromophenyl phenyl ether	U	10	UG/L	U	U	10	UG/L	U				
4-Chloro-3-methylphenol	U	10	UG/L	U	U	10	UG/L	U				
4-Chloroaniline	U	10	UG/L	U	U	10	UG/L	U				
4-Chlorophenylphenyl ether	U	10	UG/L	U	U	10	UG/L	U				
4-Methylphenol	U	10	UG/L	U	U	10	UG/L	U				

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-5129

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1991 RI/FS - Pit 4
Pit Leachate Organic Results

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Sample ID:	063932				063934				063937		
Sample Date:	12-NOV-91				12-NOV-91				13-NOV-91		
Top Depth (ft):	N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
4-Nitroaniline	U	50	UG/L	U	U	50	UG/L	U				
4-Nitrophenol	U	50	UG/L	U	U	50	UG/L	U				
4-Nitroquinoline-1-oxide	U	10	UG/L	R	U	10	UG/L	R				
5-Nitro-o-toluidine	U	20	UG/L	R	U	20	UG/L	R				
7,12-Dimethylbenz(a)anthracene	U	20	UG/L	UJ	U	20	UG/L	UJ				
Acenaphthene	U	10	UG/L	U		12	UG/L	-				
Acenaphthylene	U	10	UG/L	U	U	10	UG/L	U				
Acetophenone	U	10	UG/L	R	U	10	UG/L	R				
Aniline	U	50	UG/L	U	U	50	UG/L	U				
Anthracene	U	10	UG/L	U		17	UG/L	-				
Aramite	U	10	UG/L	UJ	U	10	UG/L	UJ				
Benzidine												
Benzo(a)anthracene	U	10	UG/L	U	U	10	UG/L	U				
Benzo(a)pyrene	U	10	UG/L	U	U	10	UG/L	U				
Benzo(b)fluoranthene	U	10	UG/L	U	U	10	UG/L	U				
Benzo(g,h,i)perylene	U	10	UG/L	U	U	10	UG/L	U				
Benzo(k)fluoranthene	U	10	UG/L	U	U	10	UG/L	U				
Benzoic acid	U	50	UG/L	UJ	U	50	UG/L	UJ				
Benzyl alcohol	U	10	UG/L	U	U	10	UG/L	U				
Butyl benzyl phthalate	U	10	UG/L	U	U	10	UG/L	U				
Carbazole	U	10	UG/L	U		18	UG/L	-				

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A.5

PIT 5

A.5.1

PIT 5
PIT MATERIAL

A.5.1.1

PIT 5
WASTE MATERIAL
VISUAL CLASSIFICATION OF RESULTS

VISUAL CLASSIFICATION OF SOILS

-5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-01 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 482019.28,1378958.50	DATE OF COMPLETION: 3/30/87 PAGE 1 OF 1

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 16	NA	Push	NA	Dark brown (10YR 4/3) liquid and trace medium sand size grit.	NA	NA	No readings
16 36	NA	Push	NA	~6 inch light gray (7.5YR N 7/0) semi-solid with streaks of very dark gray (7.5YR N 3/0) below 6 inches of dark brown (7.5YR 4/4) semi-solid with pink (7.5YR 7/4) and yellow (10YR 6/8) patches.	NA	NA	No readings
				Total Depth = 3 Ft.			

NOTES:

Visual classification of soils compiled from Characterization InvestigationStudy, Geologist Log Book #43, Field Sampling Log Book #42A.

Due to lack of sample only composite samples FMP-PS-05-077 & 078 were taken.

FERNALD/05-01.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

-5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-02 ENGIN./GEOLOGIST: J. DOUGHERTY, J. SPRATT DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 482072.69,1378834.88	DATE OF COMPLETION: 3/26/87 PAGE 1 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 20	FMP-PS-05-067	Push	NA	Brown (7.5YR 5/2) liquid with brown, white black mud, sand sized grit.	NA	NA	350 cpm above 100 cpm below HNu = background
20 40	FMP-PS-05-068	Push	NA	Dark brown (7.5YR 4/4) liquid with dark brown medium sand size grit. Some grains are red (2.5YR 4/8) and some white (7.5YR N 8/0).	NA	NA	900 cpm above 200 cpm below HNu = background
40 60	FMP-PS-05-069	Push	NA	54-60 inches light blue gray (5B 7/1) with yellow (5Y 8/8) streaks. 40-54 inches pink (7.5YR 7/4) semi-solid and dark brown (10YR 4/5) smi-solid with streaks of red (2.5YR 4/8). Trace medium sand sized grit in sample.	NA	NA	1100 cpm above 200 cpm below HNu = background
60 80	FMP-PS-05-070	Push	NA	Red (10R 5/8) and pinkish white (5YR 8/2) semi-solid with streaks of pale green (5G 6/2) and strong brown (7.5YR 5/6) and yellow (5Y 8/8).	NA	NA	1000 cpm above 350 cpm below HNu = 1-2 ppm
80 100	FMP-PS-05-071	Push	NA	Yellowish red (5YR 5/8) and strong brown (7.5YR 5/8) semi-solid trace medium sand sized grit.	NA	NA	1100 cpm above 450 cpm below HNu = < 1 ppm
100 120	FMP-PS-05-072	Push	NA	Red (2.5YR 5/8) and pinkish gray (7.5YR 6/2) semi-solid with streaks of very dark gray (7.5YR N 3/0) and white (7.5YR N/8).	NA	NA	700 cpm above 200 cpm below HNu = 1-3 ppm
120 138	FMP-PS-05-073	Push	NA	Red (2.5YR 5/8) and dark grayish brown semi-solid with streaks of light gray (10YR 7/1) trace medium sand sized grit.	NA	NA	cpm N/A HNu = 1-3 ppm

NOTES:

Visual classificaton of soils compiled from Characterization Investigation Study, Geologist Log Book #43, Field Sampling Log Book #42A.

above - above the mixing bowl below - below the mixing bowl

cpm - counts per minute read with HP-210T Samples FMP-PS-05-065, 066, & 076 are composites of entire boring.

FERNALD/05-02.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

-5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-02 ENGIN./GEOLOGIST: J. DOUGHERTY J. SPRATT DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 482072.69,1378834.88	DATE OF COMPLETION: 3/26/87 PAGE 2 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
138 148	FMP-PS-05-074	Push	NA	Red (2.5 YR 5/8) and dark grayish brown (10YR 4/2) semi-solid with streaks of very dark gray (10YR 3/1) and brownish yellow (10YR 5/6) and light gray (10YR 7/1) trace medium sand sized grit.	NA	NA	900 cpm above 200 cpm below HNu = 1-3 ppm
148 168	FMP-PS-05-075	Push	NA	Alternating thin 1/2 - 1/4 inch layers of pinkish gray (7.5YR 7/2) very dark gray (7.5YR N 3/0), brown (7.5YR 4/4) and yellowish brown (10YR 5/4) trace sand (medium) sized grit.	NA	NA	800 cpm above 200 cpm below HNu = 2-7 ppm
				Total Depth = 14 ft.			

NOTES:

Visual classificaton of soils compiled from Characterization Investigation Study, Geologist Log Book #43, Field Sampling Log Book #42A.

above - above the mixing bowl below - below the mixing bowl
cpm - counts per minute read with HP-210T Samples FMP-PS-05-065, 066, & 076 are composites of entire boring.

FERNALD/05-02A.DRW/mb/8-6-93

792

-5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-03 ENGIN./GEOLOGIST: J. DOUGHERTY, J. SPRATT DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 482100.41,1378735.63	DATE OF COMPLETION: 3/25/87 PAGE 1 OF 3

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 - 20	FMP-PS-05-047	Push	NA	Dark greenish gray (5GY 4/1) clay with silt like material, and medium sand sized white grains.	NA	NA	500 cpm above 300 cpm below
20 - 40	FMP-PS-05-048	Push	NA	Very dark grayish brown (2.5Y 3/2) semi-solid with clumps of dark brown (7.5YR 3/4) fine sand like material, streaks of black.	NA	NA	850 cpm above 400 cpm below
40 - 60	FMP-PS-05-049	Push	NA	40-45 inches red (10R 4/8) trace grit medium sand size in interval. 45-50 inches pinkish white (5YR 8/2) white green very dark gray. 55-60 inches light greenish gray (5BG 7/1) semi-solid with streaks of yellow.	NA	NA	250 cpm above 200 cpm below
60 - 80	FMP-PS-05-050	Push	NA	Pudding like texture starts an aqua blue green (5G 7/2) then changes at 65 inches to a 10R 5/6 brick red color (10R 4/6), some chunks of green gray (5Y 7/1) with white specks.	NA	NA	500 cpm above 200 cpm below
80 - 100	FMP-PS-05-051	Push	NA	96-100 inches light grayish red color (10R 6/3) at 96 inches change in color to green yellow (5Y 8/8) to aqua blue (5G 7/2) texture pudding like throughout sample, yellow is plentiful throughout.	NA	NA	400 cpm above 250 cpm below
100 - 120	FMP-PS-05-052	Push	NA	115-120 inches light orangish red color (2.5YR 5/8) pudding like consistency. 110-115 inches color changes to a creamy white with steaks of bluish-gray (5B 5/1) some streaks block of joint green.	NA	NA	700 cpm above 300 cpm below
120 - 140	FMP-PS-05-053	Push	NA	(5YR 6/8) red-yellow throughout alternating layers of very thin 2-3 mm of light green (5B 5/1) and white, pudding like texture, small white specks throughout.	NA	NA	350 cpm 250 cpm

NOTES:

Visual classificaton of soils compiled from Characterization Investigation Study, Geologist Log Book #43, Field Sampling Log Book # 42A.

above - above the mixing bowl below - below the mixing bowl

cpm - counts per minute read with HP-210T Samples FMP-PS-05-045, 046, & 064 are composites of entire boring.

FERNALD/05-03.DRW/mb/8-6-93

793

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-03 ENGIN./GEOLOGIST: J. DOUGHERTY, J. SPRATT DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 482100.41,1378735.63	DATE OF COMPLETION: 3/25/87 PAGE 2 OF 3

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
140 160	FMP-PS-05-054	Push	NA	(10YR 6/4) light yellowish brown white and black, medium-fine sand sized particles streaks of (7.5 5/8) strong brown gray (5B 5/1) steaks.	NA	NA	750 cpm above 350 cpm below
160 180	FMP-PS-05-055	Push	NA	(10R 4/6) dark red throughout with white black and green (5G 7/2) streaks with no visible structure, general pudding structure.	NA	NA	650 cpm above 450 cpm below
180 200	FMP-PS-05-056	Push	NA	Mainly reddish brown (2.5YR 4/4) at 109 inches a white creamy color mixes in with the red brown. Both colors tend to fade into each other at their interface. No definite line of change, texture of pudding, no grains or lumps.	NA	NA	550 cpm above 150 cpm below HNu = background
200 220	FMP-PS-05-057	Push	NA	Reddish black (10R 2.5/1) dominates with brownish yellow (10YR 6/6) some yellow granules (5Y 8/8) little blue-gray (5BG 6/1) pudding like texture.	NA	NA	350 cpm above 150 cpm below HNu = background
220 240	FMP-PS-05-058	Push	NA	Pudding like texture reddish black (10R 2.5/1) throughout. Streaks of (10R 4/6) red and cream color white (these tend to be thick streaks) small-medium sand site white grains are present in some of the sample.	NA	NA	550 cpm above 100 cpm below HNu = background
240 260	FMP-PS-05-059	Push	NA	Reddish brown (5YR 4/3) dominates, pudding like texture, trace medium sand sized grit spots of bluish aqua color similar to gray (5BG 4), but more vivid, some streaks of cream colored substance.	NA	NA	600 cpm above 200 cpm below
260 280	FMP-PS-05-060	Push	NA	Reddish brown (5YR 4/3), pudding texture with trace medium sand sized grit, layered, streaks of dark gray (2.5Y 4/0) and gray (N6/) also a light gray - clear color - reddish brown dominates.	NA	NA	300 cpm above 150 cpm below

NOTES:

Visual classificaton of soils compiled from Characterization Investigation Study, Geologist Log Book #43, Field Sampling Log Book # 42A

above - above the mixing bowl below - below the mixing bowl
cpm - counts per minute read with HP-210T Samples FMP-PS-05-045, 046, & 064 are composites of entire boring.

FERNALD/05-03A.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-03 ENGIN./GEOLOGIST: J. DOUGHERTY J. SPRATT DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 482100.41,1378735.63	DATE OF COMPLETION: 3/25/87 PAGE 3 OF 3

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
280 300	FMP-PS-05-061	Push	NA	Pudding texture mainly, reddish brown (5YR 4/3) trace amount of medium sand sized grit, streaks of (10YR 6/4) light yellow-brown and off white cream color.	NA	NA	500 cpm above 200 cpm below
300 316	FMP-PS-05-062	Push	NA	Reddish brown (5YR 4/4) also main color in this sample. No grit was observed some streaks of light yellow brown (5Y 6/4) but mainly the second color of domination. Color of streaks was creamy white.	NA	NA	800 cpm above 300 cpm below
316 336	FMP-PS-05-063	Push	NA	Reddish brown (5YR 4/4) dominate thin streaks of reddish black (10R 25/1) some larger clumps of this color some small white cream streaks also of (5Y 6/4) streaks light yellow brown some trace grit of medium size sand particles.	NA	NA	550 cpm above 275 cpm below
				Total Depth = 28 Ft.			

NOTES:

Visual classificaton of soils compiled from Characterization Investigation Study. Geologist Log Book #43, Field Sampling Log Book # 42A.

above - above the mixing bowl below - below the mixing bowl
cpm - counts per minute read with HP-210T Samples FMP-PS-05-045, 046, & 064 are composites of entire boring.

FERNALD/05-03B.DRW/mb/8-8-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-04 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 482103.13,1378635.75	DATE OF COMPLETION: 3/23/87 PAGE 1 OF 3

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 20	FMP-PS-05-027	Push	NA	Brown material more watery than others. Trace specks of black. Also streaks of yellowish brown sample, looks like it has sandy material mixed in.	NA	NA	900 cpm above 550 cpm below
20 40	FMP-PS-05-028	Push	NA	Dark brown pudding like material with small chunks of darker material as before, streaks of light blue material (a little lighter than previous sample) Also, small amount of bright yellow colored material.	NA	NA	600 cpm above 0 cpm below
40 60	FMP-PS-05-029	Push	NA	Dark brown pudding like texture with small chunks of darker material, very light blue material of similar texture (powder blue) and white material.	NA	NA	700 cpm above 400 cpm below
60 80	FMP-PS-05-030	Push	NA	Red (2.5YR 4/6) and light gray (5YR 7/1) semi-solid with sand sized grains, trace.	NA	NA	500 cpm above 250 cpm below HNu = background
80 100	FMP-PS-05-031	Push	NA	Light gray (5YR 7/1) and pinkish gray (5YR 6/2) semi-solid with sand sized grit, trace.	NA	NA	750 cpm above 250 cpm below HNu = background
100 120	FMP-PS-05-032	Push	NA	Light gray (2.5Y 7/2) and yellowish red (5YR 5/6) semi-solid with patches of yellow (5Y 8/8) and gray sand sized grit, trace.	NA	NA	750 cpm above 150 cpm below HNu = background
120 140	FMP-PS-05-033	Push	NA	Yellow red (5YR 5/6) semi-solid with streaks of gray (10YR 6/1) to medium sand sized grit.	NA	NA	750 cpm 300 cpm HNu = background

NOTES:

Visual classificaton of soils compiled from Characterization Investigation Study Geologist Log Book #43, Field Sampling Log Book #42A.

above - above the mixing bowl below - below the mixing bowl
cpm - counts per minute read with HP-210T Samples FMP-PS-05-024, 025, & 026 are composites of entire boring.

5129 VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-04 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 482103.13,1378635.75	DATE OF COMPLETION: 3/23/87 PAGE 2 OF 3

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
140 160	FMP-PS-05-034	Push	NA	Yellowish brown (10YR 5/6) with streaks of gray (10YR 6/1) trace medium sand sized grit.	NA	NA	400 cpm above 200 cpm below HNu = background
160 180	FMP-PS-05-035	Push	NA	Yellowish brown (10 YR 5/6) and gray (10YR 6/1) semi-solid with streaks of yellow (5Y 8/8) with trace grit (medium sand sized).	NA	NA	500 cpm above 250 cpm below HNu = background
180 200	FMP-PS-05-036	Push	NA	180-190 inches light greenish gray (5BG 7/1) semi-solid. 190-200 inches red brown (7.5YR 3/4) semi-solid.	NA	NA	1200 cpm above 250 cpm below HNu = background
200 220	FMP-PS-05-037	Push	NA	Very dark brown (10YR 2/2) semi-solid with trace medium sand sized grit.	NA	NA	600 cpm above 300 cpm below HNu = background
220 240	FMP-PS-05-038	Push	NA	Very dark brown (10YR 2/2) with streaks of yellowish brown (10YR 5/6) light gray (10YR 7/1) semi-solid trace medium sand sized grit.	NA	NA	600 cpm above 300 cpm below HNu = background
240 260	FMP-PS-05-039	Push	NA	Very dark brown (10YR 2/2) semi solid.	NA	NA	Instrument malfunction HNu = background
260 280	FMP-PS-05-040	Push	NA	Very dark brown (10YR 2/2) and reddish brown (5YR 5/3) semi-solid with strekas of light olive brown and very dark gray (2.5YN 3/0).	NA	NA	Instrument malfunction HNu = background

NOTES:
Visual classification of soils compiled from Characterization Investigation Study, Geologist Log book #43, Field Sampling Logbook #42A.

above - above the mixing bowl below - below the mixing bowl
cpm - counts per minute read with HP-210T Samples FMP-PS-05-024, 025, & 026 are composites of entire boring.

FERNALD/05-04A.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-04 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 482103.13,1378635.75	DATE OF COMPLETION: 3/23/87 PAGE 3 OF 3

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
280 300	FMP-PS-05-041	Push	NA	Dark brown (10YR 3/3) semi-solid.	NA	NA	Instrument malfunction Hnu = background
300 312	FMP-PS-05-042	Push	NA	Dark brown (10YR 4/3) and very dark grayish brown (10YR 3/2) semi-solid with grease like consistency.	NA	NA	Instrument malfunction Hnu = background
312 332	FMP-PS-05-043	Push	NA	Reddish gray (5YR 5/2) dark brown (10YR 4/3) and very dark grayish brown (10YR 3/2), semi-solid, grease like consistency.	NA	NA	Instrument malfunction Hnu = background
332 352	FMP-PS-05-044	Push	NA	Reddish brown (5YR 4/3), very pale brown (10YR 7/4) and very dark yellowish brown (10YR 4/6) with streaks of very dark gray (10YR 3/1), grease like consistency.	NA	NA	Instrument malfunction HNu = background
				Total Depth =29.4 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log book #43, Field Sampling Logbook #42A.

above - above the mixing bowl below - below the mixing bowl
cpm - counts per minute read with HP-210T Samples FMP-PS-05-024, 025, & 026 are composites of entire boring.

FERNALD/05-04B.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-05 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 482082.25,1378485.00	DATE OF COMPLETION: 3/19/87 PAGE 1 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 20	FMP-PS-05-014	Push	NA	Brown (10YR 5/4) semi-solid pudding consistency. Streaks of black and some light red (2.5YR 6/6), trace medium sand size grit.	NA	NA	750 cpm above 400 cpm below
20 40	FMP-PS-05-015	Push	NA	Brown (10YR 5/3), red (2.5YR 5/8) and white (7.5YR N8/) semi-solid, streaks of very dark gray.	NA	NA	3500 cpm above 850 cpm below
40 60	FMP-PS-05-016	Push	NA	Red (2.5YR 5/8) and very pale brown (10YR 8/3) semi-solid with streaks of dark gray (10YR 4/1) and yellow (5Y 8/8).	NA	NA	600 cpm above 250 cpm below
60 80	FMP-PS-05-017	Push	NA	Yellowish red (5YR 5/6) and light gray (5YR 7/1) with streaks of very dark gray semi-solid.	NA	NA	1100 cpm above 550 cpm below
80 100	FMP-PS-05-018	Push	NA	Reddish yellow (5YR 6/8) and light brown semi-solid streaks of light gray (7.5YR 7/0) several clods (1-2 inches in diameter) of white (7.5YR N8) granular (sand sized) material.	NA	NA	700 cpm above 250 cpm below
100 120	FMP-PS-05-019	Push	NA	Yellow (5Y 8/8) streaks in pinkish gray (7.5YR 7/2), yellowish red (5YR 5/6) and light gray (5YR 7/1) semi-solid, pudding consistency.	NA	NA	600 cpm above 350 cpm below
120 140	FMP-PS-05-020	Push	NA	Pinkish gray (5YR 6/2) semi-solid.	NA	NA	Instrument malfunction

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #43, Field Sampling Log Book #42A.

above - above the mixing bowl below - below the mixing bowl HNu reading of composite headspace = 1ppm
cpm - counts per minute read with HP-260 Sample # FMP-PS-05-012 & 023 are composites from entire boring.

FERNALD/05-05.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-05 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 482082.25,1378485.00	DATE OF COMPLETION: 3/19/87 PAGE 2 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
140 160	FMP-PS-05-021	Push	NA	Yellowish red (5YR 5/6) and light gray (5YR 7/1) semi-solid with streaks of dark gray (5YR 4/3) and with patches of yellow (5Y 8/8).	NA	NA	Instrument malfunctioned
160 180	FMP-PS-05-022	Push	NA	Yellowish red (5YR 5/6) and light gray (5YR 7/1) semi-solid with streaks of dark gray (5YR 4/3).	NA	NA	Instrument malfunctioned
				Total Depth = 15 Ft.			

NOTES:

Visual classsification of soils compiled from Characterization Investigation Study, Geologist Log Book #43, Field Sampling Log Book #42A.

above - above the mixing bowl below - below the mixing bowl HNu reading of composite headspace = 1ppm
cpm - counts per minute read with HP-260 Sample # FMP-PS-05-012 & 023 are composites from entire boring.

FERNALD/05-05A.DRW/mb/8-6-93

-5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-06 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 482212.00,1378313.50	DATE OF COMPLETION: 3/13/87 PAGE 1 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 20	NA	Push	NA	Red (10R 4/6) and dark reddish gray semi-solid.	NA	NA	900 cpm
20 40	NA	Push	NA	Red (2.5YR 5/6) semi-solid pudding consistency.	NA	NA	700 cpm
40 60	NA	Push	NA	Pinkish gray (5YR 6/2), reddish yellow (7.5YR 8/6) semi-solid with streaks of greenish gray and black. Pudding consistency.	NA	NA	550 cpm
60 80	NA	Push	NA	Red (2.5YR 5/6) pudding like semi-solid. Pudding like consistency.	NA	NA	800 cpm
80 100	NA	Push	NA	Yellow (5Y 7/4) and brownish yellow (10YR 6/6) semi-solid pudding like consistency.	NA	NA	250 cpm
100 120	NA	Push	NA	Approximately 10 inches of white semi-solid with small, sand sized lumps. Red (2.5YR 5/6) rind of outside of white material. Above that approximately 10 inches of pale green (5G 7/2) semi-solid with small sand sized lumps and bright yellow-green.	NA	NA	250 cpm irritative odors
120 140	NA	Push	NA	Red, pale green/olive streaks, pale brown streaks.	NA	NA	~ 200 cpm

NOTES:

Visual classification of soils compiled from Characterization Investigation Study. Geologist Log Book #43, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-260 background - 50 cpm

FERNALD/05-06.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

-5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 05-06 ENGIN./GEOLOGIST: J. DOUGHERTY DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 482212.00,1378313.50	DATE OF COMPLETION: 3/13/87 PAGE 2 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
140 150	NA	Push	NA	As from 120 to 140 inches but with the following colors: dark gray (2.5YR N/3), reddish yellow (7.5YR 7/8), yellow (5Y 8/8), but greener white (7.5YR N/8).	NA	NA	No readings
				Total Depth = 12.5 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study. Geologist Log Book #43, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-260 background - 50 cpm

FERNALD/05-08A.DRW/mb/8-6-93

A.5.1.2

PIT 5
WASTE MATERIAL
RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit 5
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		05-06				05-05				05-04				05-03		
Sample ID:		PS-05-002				PS-05-013				PS-05-026				PS-05-046		
Sample Date:		3/13/87				3/19/87				3/23/87				3/25/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		12.5				15.0				30.0				28.0		
CESIUM-137		76	PCI/G	J		61	PCI/G	J	<	6.0	PCI/G	UJ	<	4.0	PCI/G	UJ
NEPTUNIUM-237		4.1	PCI/G	-	<	0.3	PCI/G	U		19	PCI/G	-		17	PCI/G	-
PLUTONIUM-238		0.4	PCI/G	-		0.4	PCI/G	-		4.4	PCI/G	-		4.3	PCI/G	-
PLUTONIUM-239/240		0.9	PCI/G	J		0.4	PCI/G	J		11	PCI/G	J		4.8	PCI/G	J
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	35	PCI/G	UJ	<	35	PCI/G	UJ	<	35	PCI/G	UJ	<	35	PCI/G	UJ
STRONTIUM-90		31	PCI/G	-		19	PCI/G	-		1.9	PCI/G	-		2.3	PCI/G	-
TECHNETIUM-99		2990	PCI/G	-		696	PCI/G	-		821	PCI/G	-		887	PCI/G	-
THORIUM-228		31	PCI/G	J		35	PCI/G	J		3.8	PCI/G	J		44	PCI/G	J
THORIUM-230		6430	PCI/G	J		8480	PCI/G	J		330	PCI/G	J		3450	PCI/G	J
THORIUM-232		26	PCI/G	J		43	PCI/G	J		3.8	PCI/G	J		55	PCI/G	J
URANIUM-234		370	PCI/G	J		310	PCI/G	J		680	PCI/G	J		790	PCI/G	J
URANIUM-235		16	PCI/G	J		14	PCI/G	J		36	PCI/G	J		35	PCI/G	J
URANIUM-238		410	PCI/G	J		460	PCI/G	J		630	PCI/G	J		730	PCI/G	J

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Well/Boring:		05-02				05-01		
Sample ID:		PS-05-066				PS-05-078		
Sample Date:		3/25/87				3/30/87		
Top Depth (ft):		0.0				0.0		
Bottom Depth (ft):		14.0				3.0		
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CESIUM-137	<	7.0	PCI/G	UJ	<	2.0	PCI/G	UJ
NEPTUNIUM-237		9.3	PCI/G	-		2.1	PCI/G	-
PLUTONIUM-238		2.4	PCI/G	-	<	0.1	PCI/G	UJ
PLUTONIUM-239/240		13	PCI/G	J	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	35	PCI/G	UJ	<	13	PCI/G	UJ
STRONTIUM-90		1.4	PCI/G	-		4.1	PCI/G	-
TECHNETIUM-99		1830	PCI/G	-		423	PCI/G	-
THORIUM-228		32	PCI/G	J		41	PCI/G	-
THORIUM-230		5080	PCI/G	J		3080	PCI/G	-
THORIUM-232		34	PCI/G	J		21	PCI/G	-
URANIUM-234		1250	PCI/G	J		430	PCI/G	-
URANIUM-235		79	PCI/G	J		26	PCI/G	-
URANIUM-238		1230	PCI/G	J		387	PCI/G	-

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1992 RI/FS - Pit 5
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-01					05-02					05-03					05-04			
Sample ID:		100210					100211					100212					100213			
Sample Date:		04/28/92					04/29/92					04/28/92					04/28/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		15.0					18.0					18.0					16.0			
CESIUM-137		15	PCI/G	J			56	PCI/G	J			36	PCI/G	J			78	PCI/G	J	
GROSS ALPHA		1460	PCI/G	J			2800	PCI/G	J			3600	PCI/G	J			2720	PCI/G	J	
GROSS BETA		496	PCI/G	J			1020	PCI/G	J			908	PCI/G	J			947	PCI/G	J	
NEPTUNIUM-237		20	PCI/G	R			38	PCI/G	R			109	PCI/G	R			67	PCI/G	R	
PLUTONIUM-238	ND	0.05	PCI/G	UJ			0.30	PCI/G	J		ND	0.02	PCI/G	UJ			0.04	PCI/G	UJ	
PLUTONIUM-239/240	ND	0.03	PCI/G	UJ			3.72	PCI/G	J			0.007	PCI/G	UJ			0.02	PCI/G	UJ	
POTASSIUM-40																				
RADIUM-226		27	PCI/G	J			81	PCI/G	J			150	PCI/G	J			110	PCI/G	J	
RADIUM-228	ND	2.9	PCI/G	UJ			8.5	PCI/G	J			14	PCI/G	J			24	PCI/G	J	
RUTHENIUM-106	ND	1.82	PCI/G	UJ		ND	2.5	PCI/G	UJ			2.3	PCI/G	UJ			2.2	PCI/G	UJ	
STRONTIUM-90		3.9	PCI/G	J			6.4	PCI/G	J			4.9	PCI/G	J			15	PCI/G	J	
TECHNETIUM-99		1090	PCI/G	J			1940	PCI/G	J			593	PCI/G	J			731	PCI/G	J	
THORIUM-228		0.48	PCI/G	J			0.92	PCI/G	J			20	PCI/G	J			6.8	PCI/G	J	
THORIUM-230		190	PCI/G	J			92	PCI/G	J			2600	PCI/G	J			190	PCI/G	J	
THORIUM-232		0.34	PCI/G	J			0.36	PCI/G	J			10	PCI/G	J			1.4	PCI/G	J	
THORIUM-TOTAL		3.13	UG/G	J			3.31	UG/G	J			92	UG/G	J			12.9	UG/G	J	
URANIUM-234		170	PCI/G	J			410	PCI/G	J			860	PCI/G	J			670	PCI/G	J	
URANIUM-235/236	ND	2.3	PCI/G	UJ			16	PCI/G	J			39	PCI/G	J			33	PCI/G	J	
URANIUM-238		220	PCI/G	J			500	PCI/G	J			880	PCI/G	J			710	PCI/G	J	
URANIUM-TOTAL		670	UG/G	J			2400	UG/G	J			3700	UG/G	J			2200	UG/G	J	

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1992 RI/FS - Pit 5
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		05-05				05-06				05-07				05-08		
Sample ID:		100214				100215				100216				100217		
Sample Date:		04/28/92				04/29/92				04/29/92				04/28/92		
Top Depth (ft):		N/A				N/A				N/A				N/A		
Bottom Depth (ft):		8.0				8.0				6.0				6.0		
CESIUM-137		2.8	PCI/G	J		8.0	PCI/G	J		4.1	PCI/G	J		5.0	PCI/G	J
GROSS ALPHA		9400	PCI/G	J		1910	PCI/G	J		961	PCI/G	J		1190	PCI/G	J
GROSS BETA		259	PCI/G	J		729	PCI/G	J		422	PCI/G	J		625	PCI/G	J
NEPTUNIUM-237		33	PCI/G	J		46	PCI/G	J		27	PCI/G	R		52	PCI/G	R
PLUTONIUM-238		0.019	PCI/G	UJ		0.03	PCI/G	UJ	ND	0.06	PCI/G	UJ		0.04	PCI/G	J
PLUTONIUM-239/240		0.13	PCI/G	UJ		0.07	PCI/G	J		0.09	PCI/G	J		0.16	PCI/G	J
POTASSIUM-40																
RADIUM-226		39	PCI/G	J		150	PCI/G	J		79	PCI/G	J		70	PCI/G	J
RADIUM-228		11	PCI/G	J		20	PCI/G	J		39	PCI/G	J		32	PCI/G	J
RUTHENIUM-106		0.84	PCI/G	J	ND	3.3	PCI/G	UJ	ND	3.0	PCI/G	UJ	ND	2.0	PCI/G	UJ
STRONTIUM-90		0.11	PCI/G	J		1.02	PCI/G	J		1.9	PCI/G	UJ		2.0	PCI/G	J
TECHNETIUM-99		1540	PCI/G	J		1960	PCI/G	J		827	PCI/G	J		3020	PCI/G	J
THORIUM-228		28	PCI/G	J		3.3	PCI/G	J		1.5	PCI/G	J		38	PCI/G	J
THORIUM-230		140	PCI/G	J		120	PCI/G	J		11	PCI/G	J		95	PCI/G	J
THORIUM-232		3	PCI/G	J		0.60	PCI/G	J	ND	0.08	PCI/G	UJ		6.9	PCI/G	J
THORIUM-TOTAL		26.7	UG/G	J		5.52	UG/G	J		0.08	UG/G	UJ		63.5	UG/G	J
URANIUM-234		290	PCI/G	J		860	PCI/G	J		420	PCI/G	J		680	PCI/G	J
URANIUM-235/236	ND	0.25	PCI/G	UJ		35	PCI/G	J	ND	0.97	PCI/G	UJ	ND	0.98	PCI/G	UJ
URANIUM-238		282	PCI/G	J		960	PCI/G	J		410	PCI/G	J		650	PCI/G	J
URANIUM-TOTAL		3000	UG/G	J		2200	UG/G	J		1200	UG/G	J		2100	UG/G	J

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1992 RI/FS - Pit 5
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		05-08				05-04		
Sample ID:		100218				100219		
Sample Date:		04/29/92				04/28/92		
Top Depth (ft):		N/A				N/A		
Bottom Depth (ft):		6.0				16.0		
CESIUM-137		4.0	PCI/G	J		106	PCI/G	J
GROSS ALPHA		771	PCI/G	J		4030	PCI/G	J
GROSS BETA		475*	PCI/G	J		1280	PCI/G	J
NEPTUNIUM-237		41	PCI/G	R		83	PCI/G	J
PLUTONIUM-238		0.04	PCI/G	J		0.04	PCI/G	UJ
PLUTONIUM-239/240		0.30	PCI/G	J		0.11	PCI/G	UJ
POTASSIUM-40						11	PCI/G	J
RADIUM-226		48	PCI/G	J		180	PCI/G	J
RADIUM-228		24	PCI/G	J		49	PCI/G	J
RUTHENIUM-106		1.6	PCI/G	J	ND	2.4	PCI/G	UJ
STRONTIUM-90		0.66	PCI/G	J		18	PCI/G	J
TECHNETIUM-99		2050	PCI/G	J		1140	PCI/G	J
THORIUM-228		2.0	PCI/G	J		4.5	PCI/G	J
THORIUM-230		9.8	PCI/G	J		59	PCI/G	J
THORIUM-232	ND	0.25	PCI/G	UJ		0.4	PCI/G	UJ
THORIUM-TOTAL		0.025	UG/G	UJ		3.68	UG/G	J
URANIUM-234		680	PCI/G	J		1400	PCI/G	J
URANIUM-235/236	ND	0.82	PCI/G	UJ		58	PCI/G	J
URANIUM-238		680	PCI/G	J		2800	PCI/G	J
URANIUM-TOTAL		1500	UG/G	J		2400	UG/G	J

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PIT 5
WASTE MATERIAL
INORGANIC RESULTS

Characterization Investigation Study - Pit 5
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:	05-06				05-05				05-04				05-03			
Sample ID:	PS-05-001				PS-05-012				PS-05-024				PS-05-045			
Sample Date:	03/13/87				03/19/87				03/20/87				03/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.5				12.0				29.4				28.0			
CYANIDE	U	0.5	MG/KG	UJ	U	2.7	MG/KG	R	U	1.6	MG/KG	UJ	UN	1.6	MG/KG	R
ALUMINUM		7460	MG/KG	J		9170	MG/KG	J	E	12500	MG/KG	J		15400	MG/KG	-
ANTIMONY	N	35	MG/KG	J		64	MG/KG	J	N	28	MG/KG	J	UN	22	MG/KG	UJ
ARSENIC		1690	MG/KG	-		2800	MG/KG	J		139	MG/KG	J		179	MG/KG	-
BARIUM		16800	MG/KG	-		18900	MG/KG	-		16400	MG/KG	-		15800	MG/KG	-
BERYLLIUM		11	MG/KG	-		18	MG/KG	-		8.8	MG/KG	-		6.2	MG/KG	-
CADMIUM		17	MG/KG	-	U	1.4	MG/KG	U		4.4	MG/KG	-		5	MG/KG	-
CALCIUM		206000	MG/KG	-		200000	MG/KG	-	E	143000	MG/KG	J	E	116000	MG/KG	J
CHROMIUM		81	MG/KG	-		76	MG/KG	-	E	141	MG/KG	J		172	MG/KG	-
COBALT	U	10	MG/KG	U	B	28	MG/KG	J		16	MG/KG	J	U	17	MG/KG	U
COPPER		18200	MG/KG	-		1870	MG/KG	-	E	2950	MG/KG	UJ	E	3370	MG/KG	J
CYANIDE	U	0.5	MG/KG	UJ	U	2.7	MG/KG	R	U	1.6	MG/KG	UJ	UN	1.6	MG/KG	R
IRON		14700	MG/KG	-	E	16400	MG/KG	J	E	17900	MG/KG	J	E	14500	MG/KG	J
LEAD	N	148	MG/KG	J		168	MG/KG	-		156	MG/KG	-		236	MG/KG	-
MAGNESIUM	E	46100	MG/KG	J		52000	MG/KG	-		63200	MG/KG	-		57100	MG/KG	-
MANGANESE		822	MG/KG	-		1060	MG/KG	-	E	3140	MG/KG	J	E	4740	MG/KG	J
MERCURY		1.3	MG/KG	-		1.1	MG/KG	J		1.8	MG/KG	-		1.2	MG/KG	J
NICKEL		26	MG/KG	J		93	MG/KG	-		202	MG/KG	-		247	MG/KG	-
OSMIUM																
POTASSIUM	B	1210	MG/KG	J	B	1490	MG/KG	J	U	1190	MG/KG	U	U	1300	MG/KG	U
SELENIUM		10	MG/KG	-	N	18	MG/KG	J	N	2.8	MG/KG	J	UN	3.0	MG/KG	U
SILVER	UN	6.3	MG/KG	UJ	U	7.2	MG/KG	U		9.4	MG/KG	-	U	4.2	MG/KG	U

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Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		05-02				05-01		
Sample ID:		PS-05-065				PS-05-077		
Sample Date:		03/26/87				03/30/87		
Top Depth (ft):		0.0				0.0		
Bottom Depth (ft):		14.0				3.0		
CYANIDE	U	1.9	MG/KG	R	UN	0.9	MG/KG	R
ALUMINUM	E	12300	MG/KG	J	E	6370	MG/KG	J
ANTIMONY		46	MG/KG	-		20	MG/KG	J
ARSENIC		682	MG/KG	-		276	MG/KG	-
BARIUM		30400	MG/KG	-		36900	MG/KG	-
BERYLLIUM		8.2	MG/KG	-		2.9	MG/KG	-
CADMIUM	U	3	MG/KG	UJ		2.0	MG/KG	-
CALCIUM	E	167000	MG/KG	J	E	206000	MG/KG	J
CHROMIUM	NN	223	MG/KG	J		26	MG/KG	-
COBALT		38	MG/KG	-		44	MG/KG	-
COPPER	E	2850	MG/KG	J	E	672	MG/KG	J
CYANIDE	U	1.9	MG/KG	R	UN	0.9	MG/KG	R
IRON	E	14300	MG/KG	J	E	11000	MG/KG	J
LEAD		178	MG/KG	-		59	MG/KG	U
MAGNESIUM		45500	MG/KG	-	E	25200	MG/KG	J
MANGANESE	N	807	MG/KG	J	E	346	MG/KG	J
MERCURY		0.7	MG/KG	J		0.4	MG/KG	J
NICKEL		138	MG/KG	-		53	MG/KG	-
OSMIUM								
POTASSIUM	U	1490	MG/KG	NV		611	MG/KG	J
SELENIUM		7.5	MG/KG	-	N	3.6	MG/KG	J
SILVER		8.2	MG/KG	-	U	2.9	MG/KG	U

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Characterization Investigation Study - Pit 5
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		05-06				05-05				05-04				05-03		
Sample ID:		PS-05-001				PS-05-012				PS-05-024				PS-05-045		
Sample Date:		03/13/87				03/19/87				03/20/87				03/24/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		12.5				12.0				29.4				28.0		
SODIUM		8110	MG/KG	-		9980	MG/KG	-		3950	MG/KG	-		3900	MG/KG	-
THALLIUM		10	MG/KG	-		11	MG/KG	-		2.8	MG/KG	J	U	2.8	MG/KG	U
TIN																
VANADIUM		5000	MG/KG	-		5380	MG/KG	-		1660	MG/KG	-		1090	MG/KG	-
ZINC		180	MG/KG	-		158	MG/KG	-	U	212	MG/KG	U	E	211	MG/KG	J

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Characterization Investigation Study - Pit 5
Pit Material Inorganic Results

Well/Boring:		05-02				05-01		
Sample ID:		PS-05-065				PS-05-077		
Sample Date:		03/26/87				03/30/87		
Top Depth (ft):		0.0				0.0		
Bottom Depth (ft):		14.0				3.0		
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
SODIUM		5140	MG/KG	-		1430	MG/KG	-
THALLIUM	U	6.3	MG/KG	UJ		2.4	MG/KG	J
TIN								
VANADIUM		2270	MG/KG	-		792	MG/KG	-
ZINC		173	MG/KG	-		117	MG/KG	U

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1992 RI/FS - Pit 5
Pit Material Inorganic Results

Well/Boring:	05-01				05-02				05-02				05-03		
Sample ID:	100210				100211				100211DL				100212		
Sample Date:	04/28/92				04/29/92				04/29/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	15.0				18.0				18.0				18.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
ALUMINUM		6330	MG/KG	J	5590	MG/KG	J				10700	MG/KG	J		
ANTIMONY		88.1	MG/KG	J	70.0	MG/KG	J				28.5	MG/KG	J		
ARSENIC		715	MG/KG	J	342	MG/KG	J				689	MG/KG	J		
BARIUM		12400	MG/KG	J	9220	MG/KG	J				9070	MG/KG	J		
BERYLLIUM		22.4	MG/KG	J	16.2	MG/KG	J				14.7	MG/KG	J		
CADMIUM		1.3	MG/KG	J	2.0	MG/KG	J				1.9	MG/KG	J		
CALCIUM		152000	MG/KG	J	125000	MG/KG	J				160000	MG/KG	J		
CHROMIUM		58.3	MG/KG	J	49.6	MG/KG	J				98.0	MG/KG	J		
COBALT		10.1	MG/KG	J	8.5	MG/KG	J				9.3	MG/KG	J		
COPPER		3060	MG/KG	J	1540	MG/KG	J				3480	MG/KG	J		
IRON		11600	MG/KG	J	9200	MG/KG	J				15000	MG/KG	J		
LEAD		101	MG/KG	J	87.3	MG/KG	J				134	MG/KG	J		
MAGNESIUM		43000	MG/KG	J	38300	MG/KG	J				38600	MG/KG	J		
MANGANESE		418	MG/KG	J	463	MG/KG	J				458	MG/KG	J		
MERCURY		0.91	MG/KG	J	0.53	MG/KG	J				0.95	MG/KG	J		
MOLYBDENUM		1350	MG/KG	J	832	MG/KG	J				428	MG/KG	J		
NICKEL		28.7	MG/KG	J	25.3	MG/KG	J				77.8	MG/KG	J		
POTASSIUM		2160	MG/KG	J	1950	MG/KG	J				1250	MG/KG	J		
SELENIUM	U	12.4	MG/KG	UJ	U 114	MG/KG	UJ			U	70.9	MG/KG	UJ		
SILVER	U	16.9	MG/KG	UJ	U 15.5	MG/KG	UJ			U	9.7	MG/KG	U		
SODIUM		16300	MG/KG	J	11400	MG/KG	J				9390	MG/KG	J		
THALLIUM		52.0	MG/KG	J	40.9	MG/KG	J			U	13.2	MG/KG	UJ		
TIN		16.0	MG/KG	J	10.3	MG/KG	J				28.0	MG/KG	J		

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Submittal Date: 08-Feb-94
Print Date: 14-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-04					05-05					05-06					05-07			
Sample ID:		100213					100214					100215					100216			
Sample Date:		04/28/92					04/28/92					04/29/92					04/29/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		16.0					8.0					8.0					6.0			
ALUMINUM		8620	MG/KG	J			11300	MG/KG	J			4010	MG/KG	J			7840	MG/KG	J	
ANTIMONY		19.0	MG/KG	J			7.6	MG/KG	J			29.0	MG/KG	J			4.3	MG/KG	J	
ARSENIC		501	MG/KG	J			72.7	MG/KG	J			612	MG/KG	J			27.6	MG/KG	J	
BARIUM		8670	MG/KG	J			18100	MG/KG	J			9850	MG/KG	J			15300	MG/KG	J	
BERYLLIUM		9.8	MG/KG	J			4.2	MG/KG	J			13.0	MG/KG	J			1.9	MG/KG	J	
CADMIUM		2.1	MG/KG	J			4.7	MG/KG	J			1.2	MG/KG	J			1.5	MG/KG	J	
CALCIUM		226000	MG/KG	J			179000	MG/KG	J			77800	MG/KG	J			250000	MG/KG	J	
CHROMIUM		95.7	MG/KG	J			80.5	MG/KG	J			31.1	MG/KG	J			40.5	MG/KG	J	
COBALT		10.2	MG/KG	J			17.1	MG/KG	J			6.3	MG/KG	J			11.2	MG/KG	J	
COPPER		4500	MG/KG	J			3240	MG/KG	J			205	MG/KG	J			1430	MG/KG	J	
IRON		14800	MG/KG	J			20700	MG/KG	J			7550	MG/KG	J			11200	MG/KG	J	
LEAD		95.5	MG/KG	J			82.2	MG/KG	J			103	MG/KG	J			96.7	MG/KG	J	
MAGNESIUM		37800	MG/KG	J			24700	MG/KG	J			14100	MG/KG	J			21400	MG/KG	J	
MANGANESE		481	MG/KG	J			486	MG/KG	J			212	MG/KG	J			424	MG/KG	J	
MERCURY		0.88	MG/KG	J			1.5	MG/KG	J			0.27	MG/KG	J			0.60	MG/KG	J	
MOLYBDENUM		365	MG/KG	J			207	MG/KG	J			233	MG/KG	J			39.5	MG/KG	J	
NICKEL		178	MG/KG	J			132	MG/KG	J			22.2	MG/KG	J			73.1	MG/KG	J	
POTASSIUM		970	MG/KG	J			637	MG/KG	J			639	MG/KG	J			446	MG/KG	J	
SELENIUM	U	7.0	MG/KG	UJ	U		56.5	MG/KG	UJ	U		6.3	MG/KG	UJ	U		5.1	MG/KG	UJ	
SILVER		1.2	MG/KG	J			10.7	MG/KG	J	U		8.6	MG/KG	U			4.4	MG/KG	J	
SODIUM		7580	MG/KG	J			3590	MG/KG	J			5160	MG/KG	J			2370	MG/KG	J	
THALLIUM		17.5	MG/KG	J	U		10.5	MG/KG	UJ	U		11.8	MG/KG	UJ	U		9.5	MG/KG	UJ	
TIN		34.1	MG/KG	J			38.3	MG/KG	J			15.2	MG/KG	J			11.9	MG/KG	J	

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Submittal Date: 08-Feb-94
Print Date: 14-JAN-94
FEMP OU1RI-5 USEPA

5129

1992 RI/FS - Pit 5
Pit Material Inorganic Results

Well/Boring:	05-07				05-08				05-08				05-04			
Sample ID:	100216DL				100217				100218				100219			
Sample Date:	04/29/92				04/28/92				04/29/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				16.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ALUMINUM						11900	MG/KG	J		8890	MG/KG	J		9580	MG/KG	J
ANTIMONY						5.6	MG/KG	J		4.7	MG/KG	J		12.1	MG/KG	J
ARSENIC					U	306	MG/KG	UJ	U	596	MG/KG	UJ		447	MG/KG	J
BARIUM						7400	MG/KG	J		8530	MG/KG	J		8250	MG/KG	J
BERYLLIUM						1.8	MG/KG	J		1.1	MG/KG	J		7.6	MG/KG	J
CADMIUM						3.6	MG/KG	J		4.2	MG/KG	J		1.9	MG/KG	J
CALCIUM						213000	MG/KG	J		211000	MG/KG	J		184000	MG/KG	J
CHROMIUM						69.4	MG/KG	J		55.6	MG/KG	J		108	MG/KG	J
COBALT						9.7	MG/KG	J		10.0	MG/KG	J		9.6	MG/KG	J
COPPER						6450	MG/KG	J		2810	MG/KG	J		8680	MG/KG	J
IRON						10200	MG/KG	J		10500	MG/KG	J		15500	MG/KG	J
LEAD						69.1	MG/KG	J		65.5	MG/KG	J		118	MG/KG	J
MAGNESIUM						38200	MG/KG	J		29300	MG/KG	J		34400	MG/KG	J
MANGANESE						408	MG/KG	J		371	MG/KG	J		599	MG/KG	J
MERCURY						0.94	MG/KG	J		0.90	MG/KG	J		1.1	MG/KG	J
MOLYBDENUM						62.6	MG/KG	J		37.4	MG/KG	J		247	MG/KG	J
NICKEL						133	MG/KG	J		94.9	MG/KG	J		189	MG/KG	J
POTASSIUM						493	MG/KG	J		747	MG/KG	J		1180	MG/KG	J
SELENIUM					U	56.0	MG/KG	UJ	U	5.5	MG/KG	UJ	U	69.0	MG/KG	UJ
SILVER						21.3	MG/KG	J		22.2	MG/KG	J		12.9	MG/KG	J
SODIUM						3260	MG/KG	J		3100	MG/KG	J		8380	MG/KG	J
THALLIUM						14.4	MG/KG	J	U	102	MG/KG	UJ	U	12.9	MG/KG	UJ
TIN						42.2	MG/KG	J		92.8	MG/KG	J		57.6	MG/KG	J

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

04 816

51269

1992 RI/FS - Pit 5
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-01					05-02					05-02					05-03			
Sample ID:		100210					100211					100211DL					100212			
Sample Date:		04/28/92					04/29/92					04/29/92					04/28/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		15.0					18.0					18.0					18.0			
VANADIUM		4530	MG/KG	J			3190	MG/KG	J								2810	MG/KG	J	
ZINC		102	MG/KG	J			94.5	MG/KG	J								191	MG/KG	J	
AMMONIA, AS NITROGEN		2410	MG/KG	J								1580	MG/KG	J			1510	MG/KG	J	
BROMIDE	U	2980	MG/KG	UJ							U	2740	MG/KG	UJ		U	1730	MG/KG	UJ	
CHLORIDE	U	1190	MG/KG	UJ								1380	MG/KG	J		U	691	MG/KG	UJ	
CYANIDE	U	1.82	MG/KG	UJ							U	1.72	MG/KG	UJ		U	1.38	MG/KG	UJ	
MOISTURE CONTENT																				
NITRATE/NITRITE		53800	MG/KG	J								49500	MG/KG	J			23000	MG/KG	J	
OIL & GREASE																				
SPECIFIC GRAVITY		1.705	S.U.	NV								1.023	S.U.	NV			1.377	S.U.	NV	
SULFATE		11400	MG/KG	NV								10200	MG/KG	NV			5230	MG/KG	NV	
TOTAL KJELDAHL NITROGEN		1750	MG/KG	J								1580	MG/KG	J			1940	MG/KG	J	
TOTAL ORGANIC CARBON		3870	MG/KG	J								2610	MG/KG	J			6170	MG/KG	J	
TOTAL ORGANIC NITROGEN		0	MG/KG	J								0	MG/KG	J			430	MG/KG	J	
TOTAL PHOSPHORUS		1097	MG/KG	J								1090	MG/KG	J			651	MG/KG	J	
pH		10	S.U.	J								9	S.U.	J			8	S.U.	J	
ALUMINUM		2090	UG/L	J	Y		5470	UG/L	J	Y							2580	UG/L	J	Y
ANTIMONY		267	UG/L	J	Y		173	UG/L	J	Y							67.4	UG/L	J	Y
ARSENIC	U	60.0	UG/L	UJ	Y	U	60.0	UG/L	UJ	Y							74.6	UG/L	J	Y
BARIUM		306	UG/L	J	Y		365	UG/L	J	Y							539	UG/L	J	Y
BERYLLIUM		11.7	UG/L	J	Y		13.1	UG/L	J	Y							9.2	UG/L	J	Y
CADMIUM		7.8	UG/L	J	Y		9.4	UG/L	J	Y						U	5.0	UG/L	UJ	Y
CALCIUM		1640000	UG/L	J	Y		1540000	UG/L	J	Y							1520000	UG/L	J	Y

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Inorganic Results

Well/Boring:	05-04					05-05					05-06					05-07				
Sample ID:	100213					100214					100215					100216				
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	16.0					8.0					8.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ
VANADIUM		1820	MG/KG	J		475	MG/KG	J		2600	MG/KG	J		119	MG/KG	J				
ZINC		227	MG/KG	J		278	MG/KG	J		77.9	MG/KG	J		156	MG/KG	J				
AMMONIA, AS NITROGEN		1260	MG/KG	J		393	MG/KG	J		457	MG/KG	J								
BROMIDE	U	1780	MG/KG	UJ	U	1330	MG/KG	UJ	U	1470	MG/KG	UJ								
CHLORIDE	U	712	MG/KG	UJ		703	MG/KG	J		723	MG/KG	J								
CYANIDE	U	1.32	MG/KG	UJ	U	2.87	MG/KG	UJ	UJ	0.96	MG/KG	UJ								
MOISTURE CONTENT																				
NITRATE/NITRITE		18400	MG/KG	J		11600	MG/KG	J		17000	MG/KG	J								
OIL & GREASE																				
SPECIFIC GRAVITY		1.785	S.U.	NV		1.228	S.U.	NV		1.539	S.U.	NV								
SULFATE		534	MG/KG	NV		4630	MG/KG	NV		6790	MG/KG	J								
TOTAL KJELDAHL NITROGEN		1450	MG/KG	J		823	MG/KG	J		378	MG/KG	J								
TOTAL ORGANIC CARBON		34900	MG/KG	J		13500	MG/KG	J		15600	MG/KG	J								
TOTAL ORGANIC NITROGEN		190	MG/KG	J		430	MG/KG	J		0	MG/KG	J								
TOTAL PHOSPHORUS		772	MG/KG	J		598	MG/KG	J		661	MG/KG	J								
pH		8	S.U.	J		9	S.U.	J		9	S.U.	J								
ALUMINUM		743	UG/L	J	Y	1090	UG/L	J	Y	2530	UG/L	J	Y							
ANTIMONY		85.9	UG/L	J	Y U	55.0	UG/L	UJ	Y	141	UG/L	J	Y U	55.0	UG/L	UJ	Y			
ARSENIC	U	60.0	UG/L	UJ	Y U	60.0	UG/L	UJ	Y	92.8	UG/L	J	Y U	60.0	UG/L	UJ	Y			
BARIUM		844	UG/L	J	Y	620	UG/L	J	Y	219	UG/L	J	Y	732	UG/L	J	Y			
BERYLLIUM		3.4	UG/L	UJ	Y U	2.6	UG/L	UJ	Y	16.7	UG/L	J	Y U	2.0	UG/L	UJ	Y			
CADMIUM	U	5.0	UG/L	UJ	Y U	5.0	UG/L	UJ	Y	5.6	UG/L	J	Y U	5.0	UG/L	UJ	Y			
CALCIUM		1410000	UG/L	J	Y	1560000	UG/L	J	Y	1650000	UG/L	J	Y	1540000	UG/L	J	Y			

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

051299

1992 RI/FS - Pit 5
Pit Material Inorganic Results

Well/Boring:	05-07					05-08					05-08					05-04		
Sample ID:	100216DL					100217					100218					100219		
Sample Date:	04/29/92					04/28/92					04/29/92					04/28/92		
Top Depth (ft):	N/A					N/A					N/A					N/A		
Bottom Depth (ft):	6.0					6.0					6.0					16.0		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VANADIUM							79.6	MG/KG	J			45.0	MG/KG	J			1310	MG/KG	J	
ZINC							193	MG/KG	J			167	MG/KG	J			213	MG/KG	J	
AMMONIA, AS NITROGEN		160	MG/KG	J			171	MG/KG	J			185	MG/KG	J			1210	MG/KG	J	
BROMIDE	U	1100	MG/KG	UJ		U	1330	MG/KG	UJ		U	1270	MG/KG	UJ		U	1440	MG/KG	UJ	
CHLORIDE		568	MG/KG	J			645	MG/KG	J			617	MG/KG	J			608	MG/KG	J	
CYANIDE	U	2.85	MG/KG	UJ		U	2.95	MG/KG	UJ		U	2.21	MG/KG	UJ		UJ	1.38	MG/KG	UJ	
MOISTURE CONTENT																				
NITRATE/NITRITE		7470	MG/KG	J			8190	MG/KG	J			7560	MG/KG	J			18200	MG/KG	J	
OIL & GREASE																				
SPECIFIC GRAVITY		1.285	S.U.	NV			1.328	S.U.	NV			1.449	S.U.	NV			1.840	S.U.	NV	
SULFATE		366	MG/KG	NV			4100	MG/KG	J			3500	MG/KG	J			1570	MG/KG	J	
TOTAL KJELDAHL NITROGEN		520	MG/KG	J			797	MG/KG	J			679	MG/KG	J			1340	MG/KG	J	
TOTAL ORGANIC CARBON		35000	MG/KG	J			20600	MG/KG	J			33500	MG/KG	J			17000	MG/KG	J	
TOTAL ORGANIC NITROGEN		360	MG/KG	J			626	MG/KG	J			494	MG/KG	J			130	MG/KG	J	
TOTAL PHOSPHORUS		575	MG/KG	J			700	MG/KG	J			421	MG/KG	J			530	MG/KG	J	
pH		9	S.U.	J			9	S.U.	J			9	S.U.	J			9	S.U.	J	
ALUMINUM							266	UG/L	J	Y		553	UG/L	J	Y		2470	UG/L	J	Y
ANTIMONY							12.6	UG/L	J	Y	U	11.0	UG/L	UJ	Y	U	55.0	UG/L	UJ	Y
ARSENIC						U	12.0	UG/L	UJ	Y	U	12.0	UG/L	UJ	Y	U	60.0	UG/L	UJ	Y
BARIUM							591	UG/L	J	Y		718	UG/L	J	Y		883	UG/L	J	Y
BERYLLIUM						U	1.0	UG/L	UJ	Y		1.6	UG/L	J	Y	U	3.7	UG/L	UJ	Y
CADMIUM						U	1.0	UG/L	UJ	Y	U	1.0	UG/L	UJ	Y	U	5.0	UG/L	UJ	Y
CALCIUM							1120000	UG/L	J	Y		1350000	UG/L	J	Y		1520000	UG/L	J	Y

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Inorganic Results

Well/Boring:	05-01					05-02					05-02					05-03			
Sample ID:	100210					100211					100211DL					100212			
Sample Date:	04/28/92					04/29/92					04/29/92					04/28/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	15.0					18.0					18.0					18.0			
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
CHROMIUM		18.0	UG/L	J	Y	26.1	UG/L	J	Y				U	41.2	UG/L	UJ	Y
COBALT		75.0	UG/L	J	Y	63.4	UG/L	J	Y					30.6	UG/L	J	Y
COPPER		2470	UG/L	J	Y	2090	UG/L	J	Y					490	UG/L	J	Y
IRON		18.2	UG/L	J	Y	25.7	UG/L	J	Y					117	UG/L	J	Y
LEAD	U	70.0	UG/L	UJ	Y U	70.0	UG/L	UJ	Y				U	70.0	UG/L	UJ	Y
MAGNESIUM		379000	UG/L	J	Y	351000	UG/L	J	Y					345000	UG/L	J	Y
MANGANESE		1700	UG/L	J	Y	3180	UG/L	J	Y					3100	UG/L	J	Y
MERCURY		7.3	UG/L	J	Y	6.8	UG/L	J	Y					0.16	UG/L	J	Y
MOLYBDENUM																	
NICKEL		185	UG/L	J	Y									273	UG/L	J	Y
POTASSIUM		23300	UG/L	J	Y	20900	UG/L	J	Y					18100	UG/L	J	Y
SELENIUM	U	110	UG/L	UJ	Y U	110	UG/L	UJ	Y				U	110	UG/L	UJ	Y
SILVER	U	15.0	UG/L	UJ	Y U	15.0	UG/L	UJ	Y				U	15.0	UG/L	UJ	Y
SODIUM		180000	UG/L	J	Y	126000	UG/L	J	Y					171000	UG/L	J	Y
THALLIUM	U	205	UG/L	UJ	Y U	205	UG/L	UJ	Y				U	205	UG/L	UJ	Y
VANADIUM		1660	UG/L	J	Y	1530	UG/L	J	Y					1680	UG/L	-	Y
ZINC		610	UG/L	J	Y	559	UG/L	J	Y					134	UG/L	J	Y
CYANIDE	U	0.003	MG/L	UJ	Y					0.004	MG/L	J	Y	0.008	MG/L	J	Y
SILICON																	

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Submittal Date: 08-Feb-94
Print Date: 14-JAN-94
FEMP OU1RI-5 USEPA

5-51129

1992 RI/FS - Pit 5
Pit Material Inorganic Results

Well/Boring:	05-04					05-05					05-06					05-07				
Sample ID:	100213					100214					100215					100216				
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	16.0					8.0					8.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHROMIUM	U	10.4	UG/L	UJ	Y	U	10.0	UG/L	UJ	Y		36.4	UG/L	J	Y	U	10.0	UG/L	UJ	Y
COBALT		13.2	UG/L	J	Y		21.8	UG/L	J	Y		40.9	UG/L	J	Y		18.0	UG/L	J	Y
COPPER		550	UG/L	J	Y		321	UG/L	J	Y		86.1	UG/L	J	Y		143	UG/L	J	Y
IRON		34.0	UG/L	J	Y		50.3	UG/L	J	Y		121	UG/L	J	Y		17.3	UG/L	J	Y
LEAD	U	70.0	UG/L	UJ	Y	U	70.0	UG/L	UJ	Y	U	70.0	UG/L	UJ	Y	U	70.0	UG/L	UJ	Y
MAGNESIUM		354000	UG/L	J	Y		268000	UG/L	J	Y		223000	UG/L	J	Y		227000	UG/L	J	Y
MANGANESE		2450	UG/L	J	Y		2460	UG/L	J	Y		1880	UG/L	J	Y		2780	UG/L	J	Y
MERCURY		0.34	UG/L	J	Y		0.12	UG/L	J	Y		1.8	UG/L	J	Y		0.11	UG/L	J	Y
MOLYBDENUM																				
NICKEL		359	UG/L	J	Y		401	UG/L	J	Y		220	UG/L	J	Y		230	UG/L	J	Y
POTASSIUM		16300	UG/L	J	Y		11600	UG/L	J	Y		12000	UG/L	J	Y		8520	UG/L	J	Y
SELENIUM	U	110	UG/L	UJ	Y	U	110	UG/L	UJ	Y	U	110	UG/L	UJ	Y	U	110	UG/L	UJ	Y
SILVER	U	15.0	UG/L	UJ	Y	U	15.0	UG/L	UJ	Y	U	15.0	UG/L	UJ	Y	U	15.0	UG/L	UJ	Y
SODIUM		171000	UG/L	J	Y		74200	UG/L	J	Y		102000	UG/L	J	Y		50600	UG/L	J	Y
THALLIUM	U	205	UG/L	UJ	Y	U	205	UG/L	UJ	Y	U	205	UG/L	UJ	Y	U	205	UG/L	UJ	Y
VANADIUM		556	UG/L	J	Y		66.4	UG/L	J	Y		2830	UG/L	J	Y	U	5.0	UG/L	UJ	Y
ZINC		218	UG/L	J	Y		197	UG/L	J	Y		208	UG/L	J	Y		94.5	UG/L	J	Y
CYANIDE		0.009	MG/L	J	Y		0.011	MG/L	J	Y		0.007	MG/L	J	Y					
SILICON																				

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Submittal Date: 08-Feb-94
Print Date: 14-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Inorganic Results

Well/Boring:	05-07					05-08					05-08					05-04			
Sample ID:	100216DL					100217					100218					100219			
Sample Date:	04/29/92					04/28/92					04/29/92					04/28/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	6.0					6.0					6.0					16.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHROMIUM						U	2.0	UG/L	UJ	Y		21.6	UG/L	J	Y		10.6	UG/L	J	Y
COBALT							2.9	UG/L	J	Y		7.4	UG/L	J	Y		28.0	UG/L	J	Y
COPPER							118	UG/L	J	Y		130	UG/L	J	Y		2280	UG/L	J	Y
IRON							30.3	UG/L	J	Y		197	UG/L	J	Y		95.0	UG/L	J	Y
LEAD						U	14.0	UG/L	UJ	Y		17.7	UG/L	J	Y	U	70.0	UG/L	UJ	Y
MAGNESIUM							527000	UG/L	J	Y		416000	UG/L	J	Y		318000	UG/L	J	Y
MANGANESE							950	UG/L	J	Y		1860	UG/L	J	Y		3290	UG/L	J	Y
MERCURY							0.12	UG/L	J	Y		0.12	UG/L	J	Y		0.26	UG/L	J	Y
MOLYBDENUM																				
NICKEL							154	UG/L	J	Y		245	UG/L	J	Y		446	UG/L	J	Y
POTASSIUM							9540	UG/L	J	Y		7900	UG/L	J	Y		16700	UG/L	J	Y
SELENIUM						U	22.0	UG/L	UJ	Y	U	22.0	UG/L	UJ	Y	U	110	UG/L	UJ	Y
SILVER						U	3.0	UG/L	UJ	Y	U	3.0	UG/L	UJ	Y	U	15.0	UG/L	UJ	Y
SODIUM							65500	UG/L	J	Y		57800	UG/L	J	Y		130000	UG/L	J	Y
THALLIUM						U	41.0	UG/L	UJ	Y	U	41.0	UG/L	UJ	Y		223	UG/L	J	Y
VANADIUM						U	13.9	UG/L	UJ	Y		27.0	UG/L	J	Y		400	UG/L	J	Y
ZINC							122	UG/L	J	Y		274	UG/L	J	Y		386	UG/L	J	Y
CYANIDE		0.013	MG/L	J	Y		0.011	MG/L	J	Y		0.006	MG/L	J	Y	U	0.003	MG/L	UJ	Y
SILICON																				

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Submittal Date: 08-Feb-94
Print Date: 14-JAN-94
FEMP OU1RI-5 USEPA

-5129

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PIT 5
WASTE MATERIAL
ORGANIC RESULTS

Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-06				05-05				05-04				05-03			
Sample ID:	PS-05-001				PS-05-012				PS-05-024				PS-05-045			
Sample Date:	03/13/87				03/19/87				03/20/87				03/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.5				12.0				29.4				28.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	160	UG/KG	U	U	84	UG/KG	U	U	300	UG/KG	U	U	300	UG/KG	U
4,4-DDE	U	160	UG/KG	U	U	84	UG/KG	U	U	300	UG/KG	U	U	300	UG/KG	U
4,4-DDT	U	160	UG/KG	U	U	84	UG/KG	U	U	300	UG/KG	U	U	300	UG/KG	U
ALDRIN	U	80	UG/KG	U	U	42	UG/KG	U	U	150	UG/KG	U	U	150	UG/KG	U
ALPHA-BHC	U	80	UG/KG	U	U	42	UG/KG	U	U	150	UG/KG	U	U	150	UG/KG	U
AROCLOR 1016	U	800	UG/KG	U	U	420	UG/KG	U	U	1500	UG/KG	U	U	1500	UG/KG	U
AROCLOR 1221	U	800	UG/KG	U	U	420	UG/KG	U	U	1500	UG/KG	U	U	1500	UG/KG	U
AROCLOR 1232	U	800	UG/KG	U	U	420	UG/KG	U	U	1500	UG/KG	U	U	1500	UG/KG	U
AROCLOR 1242	U	800	UG/KG	U	U	420	UG/KG	U	U	1500	UG/KG	U	U	1500	UG/KG	U
AROCLOR 1248	J	550	UG/KG	J	J	330	UG/KG	J	U	1500	UG/KG	U	U	1500	UG/KG	U
AROCLOR 1254	U	1600	UG/KG	U	U	840	UG/KG	U	U	3000	UG/KG	U	J	330	UG/KG	J
AROCLOR 1260	U	1600	UG/KG	U	U	840	UG/KG	U	U	3000	UG/KG	U	U	3000	UG/KG	U
BETA-BHC	U	80	UG/KG	U	U	42	UG/KG	U	U	150	UG/KG	U	U	150	UG/KG	U
CHLORDANE	U	800	UG/KG	U	U	420	UG/KG	U	U	1500	UG/KG	U	U	1500	UG/KG	U
DELTA-BHC	U	80	UG/KG	U	U	42	UG/KG	U	U	150	UG/KG	U	U	150	UG/KG	U
DIELDRIN	U	160	UG/KG	U	U	84	UG/KG	U	U	300	UG/KG	U	U	300	UG/KG	U
ENDOSULFAN I	U	80	UG/KG	U	U	42	UG/KG	U	U	150	UG/KG	U	U	150	UG/KG	U
ENDOSULFAN II	U	160	UG/KG	U	U	84	UG/KG	U	U	300	UG/KG	U	U	300	UG/KG	U
ENDOSULFAN SULFATE	U	160	UG/KG	U	U	84	UG/KG	U	U	300	UG/KG	U	U	300	UG/KG	U
ENDRIN	U	160	UG/KG	U	U	84	UG/KG	U	U	300	UG/KG	U	U	300	UG/KG	U
ENDRIN KETONE	U	160	UG/KG	U	U	84	UG/KG	U	U	300	UG/KG	U	U	300	UG/KG	U
GAMMA-BHC(Lindane)	U	80	UG/KG	U	U	42	UG/KG	U	U	150	UG/KG	U	U	150	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

151129

Well/Boring:	05-02				05-01			
Sample ID:	PS-05-065				PS-05-077			
Sample Date:	03/26/87				03/30/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	14.0				3.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	620	UG/KG	U	U	66	UG/KG	U
4,4-DDE	U	620	UG/KG	U	U	66	UG/KG	U
4,4-DDT	U	620	UG/KG	U	U	66	UG/KG	U
ALDRIN	U	310	UG/KG	U	U	33	UG/KG	U
ALPHA-BHC	U	310	UG/KG	U	U	33	UG/KG	U
AROCLOR 1016	U	3100	UG/KG	U	U	330	UG/KG	U
AROCLOR 1221	U	3100	UG/KG	U	U	330	UG/KG	U
AROCLOR 1232	U	3100	UG/KG	U	U	330	UG/KG	U
AROCLOR 1242	U	3100	UG/KG	U	U	330	UG/KG	U
AROCLOR 1248	U	3100	UG/KG	U	U	330	UG/KG	U
AROCLOR 1254	U	6200	UG/KG	U		750	UG/KG	-
AROCLOR 1260	U	6200	UG/KG	U	U	660	UG/KG	U
BETA-BHC	U	310	UG/KG	U	U	33	UG/KG	U
CHLORDANE	U	3100	UG/KG	U	U	330	UG/KG	U
DELTA-BHC	U	310	UG/KG	U	U	33	UG/KG	U
DIELDRIN	U	620	UG/KG	U	U	66	UG/KG	U
ENDOSULFAN I	U	310	UG/KG	U	U	33	UG/KG	U
ENDOSULFAN II	U	620	UG/KG	U	U	66	UG/KG	U
ENDOSULFAN SULFATE	U	620	UG/KG	U	U	66	UG/KG	U
ENDRIN	U	620	UG/KG	U	U	66	UG/KG	U
ENDRIN KETONE	U	620	UG/KG	U	U	66	UG/KG	U
GAMMA-BHC(Lindane)	U	310	UG/KG	U	U	33	UG/KG	U

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FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-06				05-05				05-04				05-03			
Sample ID:	PS-05-001				PS-05-012				PS-05-024				PS-05-045			
Sample Date:	03/13/87				03/19/87				03/20/87				03/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.5				12.0				29.4				28.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	80	UG/KG	U	U	42	UG/KG	U	U	150	UG/KG	U	U	150	UG/KG	U
HEPTACHLOR EPOXIDE	U	80	UG/KG	U	U	42	UG/KG	U	U	150	UG/KG	U	U	150	UG/KG	U
METHOXYCHLOR	U	800	UG/KG	U	U	420	UG/KG	U	U	1500	UG/KG	U	U	1500	UG/KG	U
TOXAPHENE	U	1600	UG/KG	U	U	840	UG/KG	U	U	3000	UG/KG	U	U	3000	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
1,2-DICHLOROBENZENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
1,3-DICHLOROBENZENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
1,4-DICHLOROBENZENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	9300	UG/KG	U	U	1900	UG/KG	U	U	2700	UG/KG	U	U	2800	UG/KG	U
2,4,6-TRICHLOROPHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2,4-DICHLOROPHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2,4-DIMETHYLPHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2,4-DINITROPHENOL	U	9300	UG/KG	UJ	U	1900	UG/KG	UJ	U	2700	UG/KG	UJ	U	2800	UG/KG	U
2,4-DINITROTOLUENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	UJ
2,6-DINITROTOLUENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2-CHLORONAPHTHALENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2-CHLOROPHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2-METHYLNAPHTHALENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2-METHYLPHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
2-NITROANILINE	U	9300	UG/KG	U	U	1900	UG/KG	U	U	2700	UG/KG	U	U	2800	UG/KG	UJ
2-NITROPHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
3,3-DICHLOROBENZIDINE	U	3700	UG/KG	U	U	740	UG/KG	U	U	1100	UG/KG	U	U	1100	UG/KG	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

5129
826

Well/Boring:	05-02				05-01			
Sample ID:	PS-05-065				PS-05-077			
Sample Date:	03/26/87				03/30/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	14.0				3.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	310	UG/KG	U	U	33	UG/KG	U
HEPTACHLOR EPOXIDE	U	310	UG/KG	U	U	33	UG/KG	U
METHOXYCHLOR	U	3100	UG/KG	U	U	330	UG/KG	U
TOXAPHENE	U	6200	UG/KG	U	U	660	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	500	UG/KG	U	U	770	UG/KG	U
1,2-DICHLOROBENZENE	U	500	UG/KG	U	U	770	UG/KG	U
1,3-DICHLOROBENZENE	U	500	UG/KG	U	U	770	UG/KG	U
1,4-DICHLOROBENZENE	U	500	UG/KG	U	U	770	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	2500	UG/KG	U	U	3900	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	500	UG/KG	U	U	770	UG/KG	U
2,4-DICHLOROPHENOL	U	500	UG/KG	U	U	770	UG/KG	U
2,4-DIMETHYLPHENOL	U	500	UG/KG	U	U	770	UG/KG	U
2,4-DINITROPHENOL	U	2500	UG/KG	U	U	3900	UG/KG	UJ
2,4-DINITROTOLUENE	U	500	UG/KG	UJ	U	770	UG/KG	U
2,6-DINITROTOLUENE	U	500	UG/KG	U	U	770	UG/KG	UJ
2-CHLORONAPHTHALENE	U	500	UG/KG	U	U	770	UG/KG	UJ
2-CHLOROPHENOL	U	500	UG/KG	U	U	770	UG/KG	U
2-METHYLNAPHTHALENE	U	500	UG/KG	U	U	770	UG/KG	U
2-METHYLPHENOL	U	500	UG/KG	U	U	770	UG/KG	U
2-NITROANILINE	U	2500	UG/KG	UJ	U	3900	UG/KG	U
2-NITROPHENOL	U	500	UG/KG	U	U	770	UG/KG	U
3,3-DICHLOROBENZIDINE	U	1000	UG/KG	UJ	U	1500	UG/KG	U

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Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-06				05-05				05-04				05-03			
Sample ID:	PS-05-001				PS-05-012				PS-05-024				PS-05-045			
Sample Date:	03/13/87				03/19/87				03/20/87				03/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.5				12.0				29.4				28.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	9300	UG/KG	U	U	1900	UG/KG	U	U	2700	UG/KG	U	U	2800	UG/KG	U
4,6-DINITRO-2-METHYLPHENOL	U	9300	UG/KG	U	U	1900	UG/KG	U	U	2700	UG/KG	UJ	U	2800	UG/KG	U
4-BROMOPHENYL PHENYL ETHER	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
4-CHLOROANILINE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
4-METHYLPHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
4-NITROANILINE	U	9300	UG/KG	UJ	U	1900	UG/KG	UJ	U	2700	UG/KG	U	U	2800	UG/KG	UJ
4-NITROPHENOL	U	9300	UG/KG	UJ	U	1900	UG/KG	UJ	U	2700	UG/KG	U	U	2800	UG/KG	UJ
ACENAPHTHENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
ACENAPHTHYLENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
ANTHRACENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
BENZO(A)ANTHRACENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
BENZO(A)PYRENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
BENZO(B)FLUORANTHENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	UJ	U	560	UG/KG	U
BENZO(G,H,I)PERYLENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	UJ	U	560	UG/KG	UJ
BENZO(K)FLUORANTHENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	UJ	U	560	UG/KG	U
BENZOIC ACID	U	9300	UG/KG	UJ	U	1900	UG/KG	UJ	U	2700	UG/KG	UJ	U	2800	UG/KG	R
BENZYL ALCOHOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
BIS(2-CHLOROISOPROPYL)ETHER	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	UJ

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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		05-02				05-01		
Sample ID:		PS-05-065				PS-05-077		
Sample Date:		03/26/87				03/30/87		
Top Depth (ft):		0.0				0.0		
Bottom Depth (ft):		14.0				3.0		
3-NITROANILINE	U	2500	UG/KG	U	U	3900	UG/KG	UJ
4,6-DINITRO-2-METHYLPHENOL	U	2500	UG/KG	U	U	3900	UG/KG	UJ
4-BROMOPHENYL PHENYL ETHER	U	500	UG/KG	U	U	770	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	500	UG/KG	U	U	770	UG/KG	U
4-CHLOROANILINE	U	500	UG/KG	U	U	770	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	500	UG/KG	U	U	770	UG/KG	UJ
4-METHYLPHENOL	U	500	UG/KG	U	U	770	UG/KG	U
4-NITROANILINE	U	2500	UG/KG	UJ	U	3900	UG/KG	UJ
4-NITROPHENOL	U	2500	UG/KG	UJ	U	3900	UG/KG	U
ACENAPHTHENE	U	500	UG/KG	U	U	770	UG/KG	U
ACENAPHTHYLENE	U	500	UG/KG	U	U	770	UG/KG	UJ
ANTHRACENE	U	500	UG/KG	U	U	770	UG/KG	U
BENZO(A)ANTHRACENE	U	500	UG/KG	U	U	770	UG/KG	U
BENZO(A)PYRENE	U	500	UG/KG	U	U	770	UG/KG	U
BENZO(B)FLUORANTHENE	U	500	UG/KG	U	U	770	UG/KG	U
BENZO(G,H,I)PERYLENE	U	500	UG/KG	UJ	U	770	UG/KG	UJ
BENZO(K)FLUORANTHENE	U	500	UG/KG	U	U	770	UG/KG	U
BENZOIC ACID	U	2500	UG/KG	R	U	3900	UG/KG	R
BENZYL ALCOHOL	U	500	UG/KG	U	U	770	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	500	UG/KG	U	U	770	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	500	UG/KG	U	U	770	UG/KG	U
BIS(2-CHLOROISOPROPYL)ETHER	U	500	UG/KG	UJ	U	770	UG/KG	U

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-06				05-05				05-04				05-03			
Sample ID:	PS-05-001				PS-05-012				PS-05-024				PS-05-045			
Sample Date:	03/13/87				03/19/87				03/20/87				03/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.5				12.0				29.4				28.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	1900	UG/KG	U	J	84	UG/KG	J		2300	UG/KG	-	J	430	UG/KG	J
BIS(CHLOROMETHYL)ETHER	U	330	UG/KG	U	U	330	UG/KG	U	U	1100	UG/KG	U	U	1100	UG/KG	U
BUTYL BENZYL PHTHALATE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
C-10 UNK HYDROCARBON																
CHRYSENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
DI-N-BUTYLPHTHALATE	U	1900	UG/KG	U	J	200	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
DI-N-OCTYLPHTHALATE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
DIBENZO(A,H)ANTHRACENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	UJ
DIBENZOFURAN	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
DIETHYL PHTHALATE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
DIMETHYL PHTHALATE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
DIPROPYLAMINE																
FLUORANTHENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
FLUORENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
HEXACHLOROBENZENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
HEXACHLOROBUTADIENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
HEXACHLOROETHANE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
INDENO(1,2,3-CD)PYRENE	U	1900	UG/KG	UJ	U	370	UG/KG	UJ	U	530	UG/KG	UJ	U	560	UG/KG	UJ
ISOPHORONE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
N-NITROSO-DI-N-PROPYLAMINE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	UJ
N-NITROSODIPHENYLAMINE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U

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Well/Boring:	05-02				05-01			
Sample ID:	PS-05-065				PS-05-077			
Sample Date:	03/26/87				03/30/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	14.0				3.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	J	210	UG/KG	J	J	770	UG/KG	UJ
BIS(CHLOROMETHYL)ETHER								
BUTYL BENZYL PHTHALATE	U	500	UG/KG	U	U	770	UG/KG	U
C-10 UNK HYDROCARBON		2100	UG/KG	J				
CHRYSENE	U	500	UG/KG	U	U	770	UG/KG	U
DI-N-BUTYLPHTHALATE	J	56	UG/KG	J	J	770	UG/KG	U
DI-N-OCTYLPHTHALATE	U	500	UG/KG	U	U	770	UG/KG	U
DIBENZO(A,H)ANTHRACENE	U	500	UG/KG	UJ	U	770	UG/KG	UJ
DIBENZOFURAN	U	500	UG/KG	U	U	770	UG/KG	UJ
DIETHYL PHTHALATE	U	500	UG/KG	U	U	770	UG/KG	UJ
DIMETHYL PHTHALATE	U	500	UG/KG	U	U	770	UG/KG	UJ
DIPROPYLAMINE								
FLUORANTHENE	U	500	UG/KG	U	U	770	UG/KG	U
FLUORENE	U	500	UG/KG	U	U	770	UG/KG	UJ
HEXACHLOROBENZENE	U	500	UG/KG	U	U	770	UG/KG	UJ
HEXACHLOROBUTADIENE	U	500	UG/KG	U	U	770	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	500	UG/KG	U	U	770	UG/KG	UJ
HEXACHLOROETHANE	U	500	UG/KG	U	U	770	UG/KG	U
INDENO(1,2,3-CD)PYRENE	U	500	UG/KG	UJ	U	770	UG/KG	UJ
ISOPHORONE	U	500	UG/KG	U	U	770	UG/KG	U
N-NITROSO-DI-N-PROPYLAMINE	U	500	UG/KG	UJ	U	770	UG/KG	U
N-NITROSODIPHENYLAMINE	U	500	UG/KG	U	U	770	UG/KG	U

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FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-06				05-05				05-04				05-03			
Sample ID:	PS-05-001				PS-05-012				PS-05-024				PS-05-045			
Sample Date:	03/13/87				03/19/87				03/20/87				03/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.5				12.0				29.4				28.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
NITROBENZENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	UJ
PENTACHLOROPHENOL	U	9300	UG/KG	U	U	1900	UG/KG	U	U	2700	UG/KG	U	U	2800	UG/KG	U
PHENANTHRENE	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
PHENOL	U	1900	UG/KG	U	U	370	UG/KG	U	U	530	UG/KG	U	U	560	UG/KG	U
PYRENE	U	1900	UG/KG	UJ	U	370	UG/KG	UJ	U	530	UG/KG	U	U	560	UG/KG	U
1,1,1-TRICHLOROETHANE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,1,2,2-TETRACHLOROETHANE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,1,2-TRICHLOROETHANE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,1-DICHLOROETHANE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,1-DICHLOROETHENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,2-DICHLOROETHANE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,2-DICHLOROETHENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,2-DICHLOROPROPANE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,2-DICHLOROPROPENE																
1,3-DICHLOROPROPENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
1,3-DICHLOROPROPYLENE	U	330	UG/KG	U												
2-BUTANONE	U	330	UG/KG	R	U	330	UG/KG	R	U	1100	UG/KG	R	U	1100	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	330	UG/KG	UJ	U	330	UG/KG	UJ	U	1100	UG/KG	UJ	U	1100	UG/KG	UJ
2-HEXANONE	U	330	UG/KG	U	U	330	UG/KG	U	U	1100	UG/KG	U	U	1100	UG/KG	U
4-METHYL-2-PENTANONE	U	330	UG/KG	U	U	330	UG/KG	U	U	1100	UG/KG	U	U	1100	UG/KG	U
4-METHYLPHENOLPROPHYL ETHER																

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-02				05-01			
Sample ID:	PS-05-065				PS-05-077			
Sample Date:	03/26/87				03/30/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	14.0				3.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	U	500	UG/KG	U	U	770	UG/KG	U
NITROBENZENE	U	500	UG/KG	UJ	U	770	UG/KG	U
PENTACHLOROPHENOL	U	2500	UG/KG	U	U	3900	UG/KG	U
PHENANTHRENE	U	500	UG/KG	U	U	770	UG/KG	U
PHENOL	J	200	UG/KG	J	U	770	UG/KG	U
PYRENE	U	500	UG/KG	U	U	770	UG/KG	U
1,1,1-TRICHLOROETHANE	U	650	UG/KG	U	U	340	UG/KG	U
1,1,2,2-TETRACHLOROETHANE	U	650	UG/KG	U	U	340	UG/KG	U
1,1,2-TRICHLOROETHANE	U	650	UG/KG	U	U	340	UG/KG	U
1,1-DICHLOROETHANE	U	650	UG/KG	UJ	U	340	UG/KG	U
1,1-DICHLOROETHENE	U	650	UG/KG	U	U	340	UG/KG	U
1,2-DICHLOROETHANE	U	650	UG/KG	U	U	340	UG/KG	U
1,2-DICHLOROETHENE	U	650	UG/KG	U	U	340	UG/KG	U
1,2-DICHLOROPROPANE	U	650	UG/KG	U	U	340	UG/KG	U
1,2-DICHLOROPROPENE								
1,3-DICHLOROPROPENE	U	650	UG/KG	U	U	340	UG/KG	U
1,3-DICHLOROPROPYLENE								
2-BUTANONE	U	1300	UG/KG	R	U	680	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	1300	UG/KG	R	U	680	UG/KG	R
2-HEXANONE	U	1300	UG/KG	UJ	U	680	UG/KG	U
4-METHYL-2-PENTANONE	U	1300	UG/KG	UJ	U	680	UG/KG	U
4-METHYLPHENOLPROPHYL ETHER								

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Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-06				05-05				05-04				05-03		
Sample ID:	PS-05-001				PS-05-012				PS-05-024				PS-05-045		
Sample Date:	03/13/87				03/19/87				03/20/87				03/24/87		
Top Depth (ft):	0.0				0.0				0.0				0.0		
Bottom Depth (ft):	12.5				12.0				29.4				28.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE		470	UG/KG	J		630	UG/KG	J	B	2200	UG/KG	UJ	B	2200	UG/KG	UJ
ACROLEIN	U	330	UG/KG	R	U	330	UG/KG	R	U	1100	UG/KG	R	U	1100	UG/KG	R
ACRYLONITRILE	U	330	UG/KG	U	U	330	UG/KG	U	U	1100	UG/KG	UJ	U	1100	UG/KG	UJ
BENZENE	U	170	UG/KG	U	U	170	UG/KG	UJ	U	550	UG/KG	U	U	540	UG/KG	U
BROMODICHLOROMETHANE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
BROMOFORM	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
BROMOMETHANE	U	330	UG/KG	UJ	U	330	UG/KG	UJ	U	1100	UG/KG	U	U	1100	UG/KG	U
BUTANOIC ACID, METHYL ESTER																
CARBON DISULFIDE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	UJ	U	540	UG/KG	UJ
CARBON TETRACHLORIDE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
CHLOROBENZENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
CHLOROETHANE	U	330	UG/KG	UJ	U	330	UG/KG	UJ	U	1100	UG/KG	U	U	1100	UG/KG	U
CHLOROFORM	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
CHLOROMETHANE	U	330	UG/KG	R	U	330	UG/KG	R	U	1100	UG/KG	U	U	1100	UG/KG	U
DIBROMOCHLOROMETHANE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
DICHLORODIFLUOROMETHANE	U	330	UG/KG	U	U	330	UG/KG	U	U	1100	UG/KG	U	U	1100	UG/KG	U
ETHYLBENZENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
METHYLENE CHLORIDE	J	47	UG/KG	J	J	42	UG/KG	J	JB	550	UG/KG	U	JB	630	UG/KG	UJ
STYRENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
TETRACHLOROETHENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
TOLUENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
TOTAL XYLENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

Well/Boring:	05-02				05-01			
Sample ID:	PS-05-065				PS-05-077			
Sample Date:	03/26/87				03/30/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	14.0				3.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	B	6300	UG/KG	-	B	5100	UG/KG	UJ
ACROLEIN								
ACRYLONITRILE								
BENZENE	U	650	UG/KG	U	U	340	UG/KG	U
BROMODICHLOROMETHANE	U	650	UG/KG	U	U	340	UG/KG	U
BROMOFORM	U	650	UG/KG	U	U	340	UG/KG	U
BROMOMETHANE	U	1300	UG/KG	UJ	U	680	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER								
CARBON DISULFIDE	U	650	UG/KG	UJ	U	340	UG/KG	U
CARBON TETRACHLORIDE	U	650	UG/KG	U	U	340	UG/KG	U
CHLOROBENZENE	U	650	UG/KG	U	U	340	UG/KG	U
CHLOROETHANE	U	1300	UG/KG	U	U	680	UG/KG	U
CHLOROFORM	U	650	UG/KG	U	U	340	UG/KG	U
CHLOROMETHANE	U	1300	UG/KG	U	U	680	UG/KG	U
DIBROMOCHLOROMETHANE	U	650	UG/KG	U	U	340	UG/KG	U
DICHLORODIFLUOROMETHANE								
ETHYLBENZENE	U	650	UG/KG	U	U	340	UG/KG	U
METHYLENE CHLORIDE	J	410	UG/KG	J		350	UG/KG	J
STYRENE	U	650	UG/KG	U	U	340	UG/KG	U
TETRACHLOROETHENE	U	650	UG/KG	U	U	340	UG/KG	U
TOLUENE	U	650	UG/KG	U	U	340	UG/KG	U
TOTAL XYLENE	U	650	UG/KG	U	U	340	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-06				05-05				05-04				05-03			
Sample ID:	PS-05-001				PS-05-012				PS-05-024				PS-05-045			
Sample Date:	03/13/87				03/19/87				03/20/87				03/24/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	12.5				12.0				29.4				28.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
TRANS-1,2-DICHLOROETHENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
TRICHLOROETHENE	U	170	UG/KG	U	U	170	UG/KG	U	U	550	UG/KG	U	U	540	UG/KG	U
VINYL ACETATE	U	330	UG/KG	U	U	330	UG/KG	U	U	1100	UG/KG	U	U	1100	UG/KG	U
VINYL CHLORIDE	U	330	UG/KG	U	U	330	UG/KG	U	U	1100	UG/KG	U	U	1100	UG/KG	U

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit 5
Pit Material Organic Results

Well/Boring:	05-02				05-01			
Sample ID:	PS-05-065				PS-05-077			
Sample Date:	03/26/87				03/30/87			
Top Depth (ft):	0.0				0.0			
Bottom Depth (ft):	14.0				3.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
TRANS-1,2-DICHLOROETHENE	U	650	UG/KG	U	U	340	UG/KG	U
TRICHLOROETHENE	U	650	UG/KG	U	U	340	UG/KG	U
VINYL ACETATE	U	1300	UG/KG	UJ	U	680	UG/KG	U
VINYL CHLORIDE	U	1300	UG/KG	U	U	680	UG/KG	U

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-01				05-01				05-02				05-02		
Sample ID:	100210				100210DL				100211				100211DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	15.0				15.0				18.0				18.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4,5-T		27.0	UG/KG	R										50.8	UG/KG	R
2,4,5-TP (SILVEX)		14.0	UG/KG	R									U	12.31	UG/KG	R
2,4-D	U	68.0	UG/KG	R										237	UG/KG	R
DINOSEB	U	5200	UG/KG	R									U	4700	UG/KG	R
DIMETHOATE	U	1000	UG/KG	R									U	950	UG/KG	R
DISULFOTON	U	1000	UG/KG	R									U	950	UG/KG	R
FAMPHUR	U	1000	UG/KG	R									U	950	UG/KG	R
PARATHION	U	1000	UG/KG	R					U	950	UG/KG	R				
4,4-DDD	U	21	UG/KG	R					U	19	UG/KG	R				
4,4-DDE	U	21	UG/KG	R					U	19	UG/KG	R				
4,4-DDT	U	21	UG/KG	R					U	19	UG/KG	R				
ALDRIN	U	10	UG/KG	R					U	9.5	UG/KG	R				
ALPHA-BHC	U	10	UG/KG	R					U	9.5	UG/KG	R				
ALPHA-CHLORDANE	U	10	UG/KG	R					U	9.5	UG/KG	R				
AROCLOR 1016	U	260	UG/KG	R					U	240	UG/KG	R				
AROCLOR 1221	U	260	UG/KG	R					U	240	UG/KG	R				
AROCLOR 1232	U	260	UG/KG	R					U	240	UG/KG	R				
AROCLOR 1242	U	260	UG/KG	R					U	240	UG/KG	R				
AROCLOR 1248	U	260	UG/KG	R					U	240	UG/KG	R				
AROCLOR 1254	U	260	UG/KG	R					U	240	UG/KG	R				
AROCLOR 1260	U	260	UG/KG	R					U	240	UG/KG	R				
BETA-BHC	U	10	UG/KG	R					U	9.5	UG/KG	R				
CHLORDANE	U	210	UG/KG	R					U	190	UG/KG	R				

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Well/Boring:	05-03				05-03				05-04				05-04		
Sample ID:	100212				100212DL				100213				100213DL		
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	18.0				18.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
2,4,5-T	U	8.24	UG/KG	R					25.1	UG/KG	R					
2,4,5-TP (SILVEX)	U	8.24	UG/KG	R				U	7.96	UG/KG	R					
2,4-D		64.3	UG/KG	R					66.6	UG/KG	R					
DINOSEB	U	3000	UG/KG	R				U	2900	UG/KG	R					
DIMETHOATE	U	590	UG/KG	R				U	580	UG/KG	R					
DISULFOTON	U	590	UG/KG	R				U	580	UG/KG	R					
FAMPHUR	U	590	UG/KG	R				U	580	UG/KG	R					
PARATHION	U	590	UG/KG	R				U	580	UG/KG	R					
4,4-DDD	U	12	UG/KG	R				U	12	UG/KG	R					
4,4-DDE	U	12	UG/KG	R				U	12	UG/KG	R					
4,4-DDT	U	12	UG/KG	R				U	12	UG/KG	R					
ALDRIN	U	5.9	UG/KG	R				U	5.8	UG/KG	R					
ALPHA-BHC	U	5.9	UG/KG	R				U	5.8	UG/KG	R					
ALPHA-CHLORDANE	U	5.9	UG/KG	R				U	5.8	UG/KG	R					
AROCLOR 1016	U	150	UG/KG	R				U	150	UG/KG	R					
AROCLOR 1221	U	150	UG/KG	R				U	150	UG/KG	R					
AROCLOR 1232	U	150	UG/KG	R				U	150	UG/KG	R					
AROCLOR 1242	U	150	UG/KG	R				U	150	UG/KG	R					
AROCLOR 1248	U	150	UG/KG	R				U	150	UG/KG	R					
AROCLOR 1254	U	150	UG/KG	R				U	150	UG/KG	R					
AROCLOR 1260	U	150	UG/KG	R				U	150	UG/KG	R					
BETA-BHC	U	5.9	UG/KG	R				U	5.8	UG/KG	R					
CHLORDANE	U	120	UG/KG	R				U	120	UG/KG	R					

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-05				05-05				05-06				05-06			
Sample ID:	100214				100214DL				100215				100215DL			
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	8.0				8.0				8.0				8.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4,5-T	U	8.01	UG/KG	R					U	8.99	UG/KG	R				
2,4,5-TP (SILVEX)	U	8.01	UG/KG	R					U	8.99	UG/KG	R				
2,4-D		122	UG/KG	R					U	45.0	UG/KG	R				
DINOSEB		2400	UG/KG	R					U	2600	UG/KG	R				
DIMETHOATE	U	470	UG/KG	R					U	530	UG/KG	R				
DISULFOTON	U	470	UG/KG	R					U	530	UG/KG	R				
FAMPHUR	U	470	UG/KG	R					U	530	UG/KG	R				
PARATHION	U	470	UG/KG	R					U	530	UG/KG	R				
4,4-DDD	U	9.4	UG/KG	R					U	11	UG/KG	R				
4,4-DDE	U	9.4	UG/KG	R					U	11	UG/KG	R				
4,4-DDT	U	9.4	UG/KG	R					U	11	UG/KG	R				
ALDRIN	U	4.7	UG/KG	R					U	5.3	UG/KG	R				
ALPHA-BHC	U	4.7	UG/KG	R					U	5.3	UG/KG	R				
ALPHA-CHLORDANE	U	4.7	UG/KG	R					U	5.3	UG/KG	R				
AROCLOR 1016	U	120	UG/KG	R					U	130	UG/KG	R				
AROCLOR 1221	U	120	UG/KG	R					U	130	UG/KG	R				
AROCLOR 1232	U	120	UG/KG	R					U	130	UG/KG	R				
AROCLOR 1242	U	120	UG/KG	R					U	130	UG/KG	R				
AROCLOR 1248	U	120	UG/KG	R					U	130	UG/KG	R				
AROCLOR 1254	U	120	UG/KG	R					U	130	UG/KG	R				
AROCLOR 1260	U	120	UG/KG	R					U	130	UG/KG	R				
BETA-BHC	U	4.7	UG/KG	R					U	5.3	UG/KG	R				
CHLORDANE	U	94	UG/KG	R					U	110	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		05-07				05-07				05-08				05-08		
Sample ID:		100216				100216DL				100217				100217DL		
Sample Date:		04/29/92				04/29/92				04/28/92				04/28/92		
Top Depth (ft):		N/A				N/A				N/A				N/A		
Bottom Depth (ft):		6.0				6.0				6.0				6.0		
2,4,5-T						42.9	UG/KG	R		47.2	UG/KG	R				
2,4,5-TP (SILVEX)					U	9.28	UG/KG	R	U	7.75	UG/KG	R				
2,4-D						68.6	UG/KG	R	U	39.0	UG/KG	R				
DINOSEB					U	2100	UG/KG	R	U	2300	UG/KG	R				
DIMETHOATE					U	430	UG/KG	R	U	470	UG/KG	R				
DISULFOTON					U	430	UG/KG	R	U	470	UG/KG	R				
FAMPHUR					U	430	UG/KG	R	U	470	UG/KG	R				
PARATHION					U	430	UG/KG	R	U	470	UG/KG	R				
4,4-DDD	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
4,4-DDE	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
4,4-DDT	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
ALDRIN	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
ALPHA-BHC	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
ALPHA-CHLORDANE	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
AROCLOR 1016	U	110	UG/KG	R					U	120	UG/KG	R				
AROCLOR 1221	U	110	UG/KG	R					U	120	UG/KG	R				
AROCLOR 1232	U	110	UG/KG	R					U	120	UG/KG	R				
AROCLOR 1242	U	110	UG/KG	R					U	120	UG/KG	R				
AROCLOR 1248	U	110	UG/KG	R					U	120	UG/KG	R				
AROCLOR 1254	U	110	UG/KG	R					U	120	UG/KG	R				
AROCLOR 1260	U	110	UG/KG	R					U	120	UG/KG	R				
BETA-BHC	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
CHLORDANE	U	85	UG/KG	R					U	93	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-08				05-08				05-04				05-04		
Sample ID:	100218				100218DL				100219				100219DL		
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
2,4,5-T	U	8.22	UG/KG	R				U	85.67	UG/KG	R				
2,4,5-TP (SILVEX)	U	8.22	UG/KG	R				U	85.67	UG/KG	R				
2,4-D	U	41.0	UG/KG	R				U	430.0	UG/KG	R				
DINOSEB	U	2300	UG/KG	R				U	2900	UG/KG	R				
DIMETHOATE	U	460	UG/KG	R				U	570	UG/KG	R				
DISULFOTON	U	460	UG/KG	R				U	570	UG/KG	R				
FAMPHUR	U	460	UG/KG	R				U	570	UG/KG	R				
PARATHION	U	460	UG/KG	R				U	570	UG/KG	R				
4,4-DDD	U	9.1	UG/KG	R				U	11	UG/KG	R				
4,4-DDE	U	9.1	UG/KG	R				U	11	UG/KG	R				
4,4-DDT	U	9.1	UG/KG	R				U	11	UG/KG	R				
ALDRIN	U	4.6	UG/KG	R				U	5.7	UG/KG	R				
ALPHA-BHC	U	4.6	UG/KG	R				U	5.7	UG/KG	R				
ALPHA-CHLORDANE	U	4.6	UG/KG	R				U	5.7	UG/KG	R				
AROCLOR 1016	U	110	UG/KG	R				U	140	UG/KG	R				
AROCLOR 1221	U	110	UG/KG	R				U	140	UG/KG	R				
AROCLOR 1232	U	110	UG/KG	R				U	140	UG/KG	R				
AROCLOR 1242	U	110	UG/KG	R				U	140	UG/KG	R				
AROCLOR 1248	U	110	UG/KG	R				U	140	UG/KG	R				
AROCLOR 1254	U	110	UG/KG	R				U	140	UG/KG	R				
AROCLOR 1260	U	110	UG/KG	R				U	140	UG/KG	R				
BETA-BHC	U	4.6	UG/KG	R				U	5.7	UG/KG	R				
CHLORDANE	U	91	UG/KG	R				U	110	UG/KG	R				

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:	05-01				05-01				05-02				05-02			
Sample ID:	100210				100210DL				100211				100211DL			
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	15.0				15.0				18.0				18.0			
DELTA-BHC	U	10	UG/KG	R					U	9.5	UG/KG	R				
DIELDRIN	U	21	UG/KG	R					U	19	UG/KG	R				
ENDOSULFAN I	U	10	UG/KG	R					U	9.5	UG/KG	R				
ENDOSULFAN II	U	21	UG/KG	R					U	19	UG/KG	R				
ENDOSULFAN SULFATE	U	21	UG/KG	R					U	19	UG/KG	R				
ENDRIN	U	21	UG/KG	R					U	19	UG/KG	R				
ENDRIN ALDEHYDE	U	21	UG/KG	R					U	19	UG/KG	R				
ENDRIN KETONE	U	21	UG/KG	R					U	19	UG/KG	R				
GAMMA-BHC(Lindane)	U	10	UG/KG	R					U	9.5	UG/KG	R				
GAMMA-CHLORDANE	U	10	UG/KG	R					U	9.5	UG/KG	R				
HEPTACHLOR	U	10	UG/KG	R					U	9.5	UG/KG	R				
HEPTACHLOR EPOXIDE	U	10	UG/KG	R					U	9.5	UG/KG	R				
METHOXYCHLOR	U	100	UG/KG	R					U	95	UG/KG	R				
TOXAPHENE	U	1000	UG/KG	R					U	950	UG/KG	R				
1,2,4,5-TETRACHLOROBENZENE	U	5200	UG/KG	R					U	4700	UG/KG	R				
1,2,4-TRICHLOROBENZENE	U	1000	UG/KG	R					U	950	UG/KG	R				
1,2-DICHLOROBENZENE	U	1000	UG/KG	R					U	950	UG/KG	R				
1,3,5-TRINITROBENZENE	U	1000	UG/KG	R					U	950	UG/KG	R				
1,3-DICHLOROBENZENE	U	1000	UG/KG	R					U	950	UG/KG	R				
1,3-DINITROBENZENE	U	1000	UG/KG	R					U	950	UG/KG	R				
1,4-DICHLOROBENZENE	U	1000	UG/KG	R					U	950	UG/KG	R				
1,4-NAPHTHOQUINONE	U	1000	UG/KG	R					U	4700	UG/KG	R				
1-NAPHTHYLAMINE	U	5200	UG/KG	R												

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Well/Boring:	05-03				05-03				05-04				05-04		
Sample ID:	100212				100212DL				100213				100213DL		
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	18.0				18.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
DELTA-BHC	U	5.9	UG/KG	R					U	5.8	UG/KG	R				
DIELDRIN	U	12	UG/KG	R					U	12	UG/KG	R				
ENDOSULFAN I	U	5.9	UG/KG	R					U	5.8	UG/KG	R				
ENDOSULFAN II	U	12	UG/KG	R					U	12	UG/KG	R				
ENDOSULFAN SULFATE	U	12	UG/KG	R					U	12	UG/KG	R				
ENDRIN	U	12	UG/KG	R					U	12	UG/KG	R				
ENDRIN ALDEHYDE	U	12	UG/KG	R					U	12	UG/KG	R				
ENDRIN KETONE	U	12	UG/KG	R					U	12	UG/KG	R				
GAMMA-BHC(Lindane)	U	5.9	UG/KG	R					U	5.8	UG/KG	R				
GAMMA-CHLORDANE	U	5.9	UG/KG	R					U	5.8	UG/KG	R				
HEPTACHLOR	U	5.9	UG/KG	R					U	5.8	UG/KG	R				
HEPTACHLOR EPOXIDE	U	5.9	UG/KG	R					U	5.8	UG/KG	R				
METHOXYCHLOR	U	59	UG/KG	R					U	58	UG/KG	R				
TOXAPHENE	U	590	UG/KG	R					U	580	UG/KG	R				
1,2,4,5-TETRACHLOROBENZENE	U	3000	UG/KG	R					U	2900	UG/KG	R				
1,2,4-TRICHLOROBENZENE	U	590	UG/KG	R					U	580	UG/KG	R				
1,2-DICHLOROBENZENE	U	590	UG/KG	R					U	580	UG/KG	R				
1,3,5-TRINITROBENZENE	U	590	UG/KG	R					U	580	UG/KG	R				
1,3-DICHLOROBENZENE	U	590	UG/KG	R					U	580	UG/KG	R				
1,3-DINITROBENZENE	U	590	UG/KG	R					U	580	UG/KG	R				
1,4-DICHLOROBENZENE	U	590	UG/KG	R					U	580	UG/KG	R				
1,4-NAPHTHOQUINONE	U	590	UG/KG	R					U	580	UG/KG	R				
1-NAPHTHYLAMINE	U	3000	UG/KG	R					U	2900	UG/KG	R				

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Well/Boring:	05-05				05-05				05-06				05-06			
Sample ID:	100214				100214DL				100215				100215DL			
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	8.0				8.0				8.0				8.0			
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP			
DELTA-BHC	U	4.7	UG/KG	R				U	5.3	UG/KG	R					
DIELDRIN	U	9.4	UG/KG	R				U	11	UG/KG	R					
ENDOSULFAN I	U	4.7	UG/KG	R				U	5.3	UG/KG	R					
ENDOSULFAN II	U	9.4	UG/KG	R				U	11	UG/KG	R					
ENDOSULFAN SULFATE	U	9.4	UG/KG	R				U	11	UG/KG	R					
ENDRIN	U	9.4	UG/KG	R				U	11	UG/KG	R					
ENDRIN ALDEHYDE	U	9.4	UG/KG	R				U	11	UG/KG	R					
ENDRIN KETONE	U	9.4	UG/KG	R				U	11	UG/KG	R					
GAMMA-BHC(Lindane)	U	4.7	UG/KG	R				U	5.3	UG/KG	R					
GAMMA-CHLORDANE	U	4.7	UG/KG	R				U	5.3	UG/KG	R					
HEPTACHLOR	U	4.7	UG/KG	R				U	5.3	UG/KG	R					
HEPTACHLOR EPOXIDE	U	4.7	UG/KG	R				U	5.3	UG/KG	R					
METHOXYCHLOR	U	47	UG/KG	R				U	53	UG/KG	R					
TOXAPHENE	U	470	UG/KG	R				U	530	UG/KG	R					
1,2,4,5-TETRACHLOROBENZENE	U	2400	UG/KG	R				U	2600	UG/KG	R					
1,2,4-TRICHLOROBENZENE	U	470	UG/KG	R				U	530	UG/KG	R					
1,2-DICHLOROBENZENE	U	470	UG/KG	R				U	530	UG/KG	R					
1,3,5-TRINITROBENZENE	U	470	UG/KG	R				U	530	UG/KG	R					
1,3-DICHLOROBENZENE	U	470	UG/KG	R				U	530	UG/KG	R					
1,3-DINITROBENZENE	U	470	UG/KG	R				U	530	UG/KG	R					
1,4-DICHLOROBENZENE	U	470	UG/KG	R				U	530	UG/KG	R					
1,4-NAPHTHOQUINONE	U	470	UG/KG	R				U	530	UG/KG	R					
1-NAPHTHYLAMINE	U	2400	UG/KG	R				U	2600	UG/KG	R					

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Well/Boring:	05-07				05-07				05-08				05-08			
Sample ID:	100216				100216DL				100217				100217DL			
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
DELTA-BHC	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
DIELDRIN	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
ENDOSULFAN I	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
ENDOSULFAN II	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
ENDOSULFAN SULFATE	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
ENDRIN	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
ENDRIN ALDEHYDE	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
ENDRIN KETONE	U	8.5	UG/KG	R					U	9.3	UG/KG	R				
GAMMA-BHC(Lindane)	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
GAMMA-CHLORDANE	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
HEPTACHLOR	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
HEPTACHLOR EPOXIDE	U	4.3	UG/KG	R					U	4.7	UG/KG	R				
METHOXYCHLOR	U	43	UG/KG	R					U	47	UG/KG	R				
TOXAPHENE	U	430	UG/KG	R					U	470	UG/KG	R				
1,2,4,5-TETRACHLOROBENZENE					U	2100	UG/KG	R	U	2300	UG/KG	R				
1,2,4-TRICHLOROBENZENE					U	430	UG/KG	R	U	470	UG/KG	R				
1,2-DICHLOROBENZENE					U	430	UG/KG	R	U	470	UG/KG	R				
1,3,5-TRINITROBENZENE					U	430	UG/KG	R	U	470	UG/KG	R				
1,3-DICHLOROBENZENE					U	430	UG/KG	R	U	470	UG/KG	R				
1,3-DINITROBENZENE					U	430	UG/KG	R	U	470	UG/KG	R				
1,4-DICHLOROBENZENE					U	430	UG/KG	R	U	470	UG/KG	R				
1,4-NAPHTHOQUINONE					U	430	UG/KG	R	U	470	UG/KG	R				
1-NAPHTHYLAMINE					U	2100	UG/KG	R	U	2300	UG/KG	R				

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:	05-08				05-08			05-04			05-04		
Sample ID:	100218				100218DL			100219			100219DL		
Sample Date:	04/29/92				04/29/92			04/28/92			04/28/92		
Top Depth (ft):	N/A				N/A			N/A			N/A		
Bottom Depth (ft):	6.0				6.0			16.0			16.0		
DELTA-BHC	U	4.6	UG/KG	R				U	5.7	UG/KG	R		
DIELDRIN	U	9.1	UG/KG	R				U	11	UG/KG	R		
ENDOSULFAN I	U	4.6	UG/KG	R				U	5.7	UG/KG	R		
ENDOSULFAN II	U	9.1	UG/KG	R				U	11	UG/KG	R		
ENDOSULFAN SULFATE	U	9.1	UG/KG	R				U	11	UG/KG	R		
ENDRIN	U	9.1	UG/KG	R				U	11	UG/KG	R		
ENDRIN ALDEHYDE	U	9.1	UG/KG	R				U	11	UG/KG	R		
ENDRIN KETONE	U	9.1	UG/KG	R				U	11	UG/KG	R		
GAMMA-BHC(Lindane)	U	4.6	UG/KG	R				U	5.7	UG/KG	R		
GAMMA-CHLORDANE	U	4.6	UG/KG	R				U	5.7	UG/KG	R		
HEPTACHLOR	U	4.6	UG/KG	R				U	5.7	UG/KG	R		
HEPTACHLOR EPOXIDE	U	4.6	UG/KG	R				U	5.7	UG/KG	R		
METHOXYCHLOR	U	46	UG/KG	R				U	57	UG/KG	R		
TOXAPHENE	U	460	UG/KG	R				U	570	UG/KG	R		
1,2,4,5-TETRACHLOROBENZENE	U	2300	UG/KG	R				U	2900	UG/KG	R		
1,2,4-TRICHLOROBENZENE	U	460	UG/KG	R				U	570	UG/KG	R		
1,2-DICHLOROBENZENE	U	460	UG/KG	R				U	570	UG/KG	R		
1,3,5-TRINITROBENZENE	U	460	UG/KG	R				U	570	UG/KG	R		
1,3-DICHLOROBENZENE	U	460	UG/KG	R				U	570	UG/KG	R		
1,3-DINITROBENZENE	U	460	UG/KG	R				U	570	UG/KG	R		
1,4-DICHLOROBENZENE	U	460	UG/KG	R				U	570	UG/KG	R		
1,4-NAPHTHOQUINONE	U	460	UG/KG	R				U	570	UG/KG	R		
1-NAPHTHYLAMINE	U	2300	UG/KG	R				U	2900	UG/KG	R		

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:	05-01					05-01					05-02					05-02				
Sample ID:	100210					100210DL					100211					100211DL				
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	15.0					15.0					18.0					18.0				
2,3,4,6-TETRACHLOROPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
2,4,5-TRICHLOROPHENOL	U	5200	UG/KG	R							U	950	UG/KG	R						
2,4,6-TRICHLOROPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
2,4-DICHLOROPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
2,4-DIMETHYLPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
2,4-DINITROPHENOL	U	5200	UG/KG	R							U	4700	UG/KG	R						
2,4-DINITROTOLUENE	U	1000	UG/KG	R							U	950	UG/KG	R						
2,6-DICHLOROPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
2,6-DINITROTOLUENE	U	1000	UG/KG	R							U	950	UG/KG	R						
2-ACETYLAMINOFLUORENE	U	2100	UG/KG	R							U	1900	UG/KG	R						
2-CHLORONAPHTHALENE	U	1000	UG/KG	R							U	950	UG/KG	R						
2-CHLOROPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
2-METHYLNAPHTHALENE	U	1000	UG/KG	R							U	950	UG/KG	R						
2-METHYLPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
2-NAPHTHYLAMINE	U	1000	UG/KG	R							U	950	UG/KG	R						
2-NITROANILINE	U	5200	UG/KG	R							U	4700	UG/KG	R						
2-NITROPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
2-PICOLINE	U	5200	UG/KG	R							U	4700	UG/KG	R						
3,3-DICHLOROBENZIDINE	U	2100	UG/KG	R							U	1900	UG/KG	R						
3-METHYLCHOLANTHRENE	U	5200	UG/KG	R							U	4700	UG/KG	R						
3-METHYLPHENOL	U	1000	UG/KG	R							U	950	UG/KG	R						
3-NITROANILINE	U	5200	UG/KG	R							U	4700	UG/KG	R						
4,6-DINITRO-2-METHYLPHENOL	U	5200	UG/KG	R							U	4700	UG/KG	R						

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Well/Boring:	05-03				05-03				05-04				05-04			
Sample ID:	100212				100212DL				100213				100213DL			
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	18.0				18.0				16.0				16.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,3,4,6-TETRACHLOROPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
2,4,5-TRICHLOROPHENOL	U	3000	UG/KG	R					U	2900	UG/KG	R				
2,4,6-TRICHLOROPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
2,4-DICHLOROPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
2,4-DIMETHYLPHENOL	J	230	UG/KG	R					U	580	UG/KG	R				
2,4-DINITROPHENOL	U	3000	UG/KG'	R					U	2900	UG/KG	R				
2,4-DINITROTOLUENE	U	590	UG/KG	R					U	580	UG/KG	R				
2,6-DICHLOROPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
2,6-DINITROTOLUENE	U	590	UG/KG	R					U	580	UG/KG	R				
2-ACETYLAMINOFLUORENE	U	1200	UG/KG	R					U	1200	UG/KG	R				
2-CHLORONAPHTHALENE	U	590	UG/KG	R					U	580	UG/KG	R				
2-CHLOROPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
2-METHYLNAPHTHALENE	U	590	UG/KG	R					U	580	UG/KG	R				
2-METHYLPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
2-NAPHTHYLAMINE	U	590	UG/KG	R					U	580	UG/KG	R				
2-NITROANILINE	U	3000	UG/KG	R					U	2900	UG/KG	R				
2-NITROPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
2-PICOLINE	U	3000	UG/KG	R					U	2900	UG/KG	R				
3,3-DICHLOROBENZIDINE	U	590	UG/KG	R					U	580	UG/KG	R				
3-METHYLCHOLANTHRENE	U	3000	UG/KG	R					U	2900	UG/KG	R				
3-METHYLPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
3-NITROANILINE	U	3000	UG/KG	R					U	2900	UG/KG	R				
4,6-DINITRO-2-METHYLPHENOL	U	3000	UG/KG	R					U	2900	UG/KG	R				

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-05				05-05				05-06				05-06		
Sample ID:	100214				100214DL				100215				100215DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	8.0				8.0				8.0				8.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,3,4,6-TETRACHLOROPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
2,4,5-TRICHLOROPHENOL	U	2400	UG/KG	R					U	2600	UG/KG	R				
2,4,6-TRICHLOROPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
2,4-DICHLOROPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
2,4-DIMETHYLPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
2,4-DINITROPHENOL	U	2400	UG/KG	R					U	2600	UG/KG	R				
2,4-DINITROTOLUENE	U	470	UG/KG	R					U	530	UG/KG	R				
2,6-DICHLOROPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
2,6-DINITROTOLUENE	U	470	UG/KG	R					U	530	UG/KG	R				
2-ACETYLAMINOFLUORENE	U	940	UG/KG	R					U	1100	UG/KG	R				
2-CHLORONAPHTHALENE	U	470	UG/KG	R					U	530	UG/KG	R				
2-CHLOROPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
2-METHYLNAPHTHALENE	U	470	UG/KG	R					U	530	UG/KG	R				
2-METHYLPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
2-NAPHTHYLAMINE	U	470	UG/KG	R					U	530	UG/KG	R				
2-NITROANILINE	U	2400	UG/KG	R					U	2600	UG/KG	R				
2-NITROPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
2-PICOLINE	U	2400	UG/KG	R					U	2600	UG/KG	R				
3,3-DICHLOROBENZIDINE	U	940	UG/KG	R					U	530	UG/KG	R				
3-METHYLCHOLANTHRENE	U	2400	UG/KG	R					U	2600	UG/KG	R				
3-METHYLPHENOL	U	470	UG/KG	R					U	530	UG/KG	R				
3-NITROANILINE	U	2400	UG/KG	R					U	2600	UG/KG	R				
4,6-DINITRO-2-METHYLPHENOL	U	2400	UG/KG	R					U	2600	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-07					05-07					05-08					05-08			
Sample ID:		100216					100216DL					100217					100217DL			
Sample Date:		04/29/92					04/29/92					04/28/92					04/28/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					6.0			
2,3,4,6-TETRACHLOROPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
2,4,5-TRICHLOROPHENOL						U	2100	UG/KG	R		U	2300	UG/KG	R						
2,4,6-TRICHLOROPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
2,4-DICHLOROPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
2,4-DIMETHYLPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
2,4-DINITROPHENOL						U	2100	UG/KG	R		U	2300	UG/KG	R						
2,4-DINITROTOLUENE						U	430	UG/KG	R		U	470	UG/KG	R						
2,6-DICHLOROPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
2,6-DINITROTOLUENE						U	430	UG/KG	R		U	470	UG/KG	R						
2-ACETYLAMINOFLUORENE						U	850	UG/KG	R		U	930	UG/KG	R						
2-CHLORONAPHTHALENE						U	430	UG/KG	R		U	470	UG/KG	R						
2-CHLOROPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
2-METHYLNAPHTHALENE						U	430	UG/KG	R		U	470	UG/KG	R						
2-METHYLPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
2-NAPHTHYLAMINE						U	430	UG/KG	R		U	470	UG/KG	R						
2-NITROANILINE						U	2100	UG/KG	R		U	2300	UG/KG	R						
2-NITROPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
2-PICOLINE						U	2100	UG/KG	R		U	2300	UG/KG	R						
3,3-DICHLOROBENZIDINE						U	430	UG/KG	R		U	470	UG/KG	R						
3-METHYLCHOLANTHRENE						U	2100	UG/KG	R		U	2300	UG/KG	R						
3-METHYLPHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
3-NITROANILINE						U	2100	UG/KG	R		U	2300	UG/KG	R						
4,6-DINITRO-2-METHYLPHENOL						U	2100	UG/KG	R		U	2300	UG/KG	R						

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Pit Material Organic Results

Well/Boring:	05-08				05-08				05-04				05-04		
Sample ID:	100218				100218DL				100219				100219DL		
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
2,3,4,6-TETRACHLOROPHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
2,4,5-TRICHLOROPHENOL	U	2300	UG/KG	R				U	2900	UG/KG	R				
2,4,6-TRICHLOROPHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
2,4-DICHLOROPHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
2,4-DIMETHYLPHENOL	J	190	UG/KG	R					300	UG/KG	R				
2,4-DINITROPHENOL	U	2300	UG/KG	R				U	2900	UG/KG	R				
2,4-DINITROTOLUENE	U	460	UG/KG	R				U	570	UG/KG	R				
2,6-DICHLOROPHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
2,6-DINITROTOLUENE	U	460	UG/KG	R				U	570	UG/KG	R				
2-ACETYLAMINOFLUORENE	U	910	UG/KG	R				U	1100	UG/KG	R				
2-CHLORONAPHTHALENE	U	460	UG/KG	R				U	570	UG/KG	R				
2-CHLOROPHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
2-METHYLNAPHTHALENE	U	460	UG/KG	R				U	570	UG/KG	R				
2-METHYLPHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
2-NAPHTHYLAMINE	U	460	UG/KG	R				U	570	UG/KG	R				
2-NITROANILINE	U	2300	UG/KG	R				U	2900	UG/KG	R				
2-NITROPHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
2-PICOLINE	U	2300	UG/KG	R				U	2900	UG/KG	R				
3,3-DICHLOROBENZIDINE	U	460	UG/KG	R				U	570	UG/KG	R				
3-METHYLCHOLANTHRENE	U	2300	UG/KG	R				U	2900	UG/KG	R				
3-METHYLPHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
3-NITROANILINE	U	2300	UG/KG	R				U	2900	UG/KG	R				
4,6-DINITRO-2-METHYLPHENOL	U	2300	UG/KG	R				U	2900	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-01				05-01				05-02				05-02			
Sample ID:	100210				100210DL				100211				100211DL			
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	15.0				15.0				18.0				18.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL	U	1000	UG/KG	R					U	950	UG/KG	R				
4-BROMOPHENYL PHENYL ETHER	U	1000	UG/KG	R					U	950	UG/KG	R				
4-CHLORO-3-METHYLPHENOL	U	2100	UG/KG	R					U	1900	UG/KG	R				
4-CHLOROANILINE	U	2100	UG/KG	R					U	950	UG/KG	R				
4-CHLOROPHENOL PHENYL ETHER	U	1000	UG/KG	R					U	950	UG/KG	R				
4-METHYLPHENOL	U	1000	UG/KG	R					U	950	UG/KG	R				
4-NITROANILINE	U	5200	UG/KG	R					U	4700	UG/KG	R				
4-NITROPHENOL	U	5200	UG/KG	R					U	950	UG/KG	R				
4-NITROQUINOLINE 1-OXIDE	U	1000	UG/KG	R					U	4700	UG/KG	R				
5-NITRO-O-TOLUIDINE	U	5200	UG/KG	R					U	4700	UG/KG	R				
7,12-DIMETHYLBENZ(A)ANTHRACENE	U	5200	UG/KG	R					U	950	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE	U	1000	UG/KG	R					U	950	UG/KG	R				
ACENAPHTHENE	U	1000	UG/KG	R					U	950	UG/KG	R				
ACENAPHTHYLENE	U	1000	UG/KG	R					U	950	UG/KG	R				
ACETOPHENONE	U	1000	UG/KG	R					U	950	UG/KG	R				
ANILINE	U	1000	UG/KG	R					U	950	UG/KG	R				
ANTHRACENE	U	1000	UG/KG	R					U	950	UG/KG	R				
BENZO(A)ANTHRACENE	U	1000	UG/KG	R					U	950	UG/KG	R				
BENZO(A)PYRENE	U	1000	UG/KG	R					U	950	UG/KG	R				
BENZO(B)FLUORANTHENE	U	1000	UG/KG	R					U	950	UG/KG	R				
BENZO(G,H,I)PERYLENE	U	1000	UG/KG	R					U	950	UG/KG	R				
BENZO(K)FLUORANTHENE	U	1000	UG/KG	R					U	4700	UG/KG	R				
BENZOIC ACID	U	5200	UG/KG	R												

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Pit Material Organic Results

Well/Boring:	05-03				05-03				05-04				05-04		
Sample ID:	100212				100212DL				100213				100213DL		
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	18.0				18.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL	U	590	UG/KG	R					U	580	UG/KG	R				
4-BROMOPHENYL PHENYL ETHER	U	590	UG/KG	R					U	580	UG/KG	R				
4-CHLORO-3-METHYLPHENOL	U	1200	UG/KG	R					U	1200	UG/KG	R				
4-CHLOROANILINE	U	1200	UG/KG	R					U	1200	UG/KG	R				
4-CHLOROPHENOL PHENYL ETHER	U	590	UG/KG	R					U	580	UG/KG	R				
4-METHYLPHENOL	U	590	UG/KG	R					U	580	UG/KG	R				
4-NITROANILINE	U	3000	UG/KG	R					U	2900	UG/KG	R				
4-NITROPHENOL	U	3000	UG/KG	R					U	2900	UG/KG	R				
4-NITROQUINOLINE 1-OXIDE		590	UG/KG	R					U	580	UG/KG	R				
5-NITRO-O-TOLUIDINE	U	3000	UG/KG	R					U	2900	UG/KG	R				
7,12-DIMETHYLBENZ(A)ANTHRACENE	U	3000	UG/KG	R					U	2900	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE	U	590	UG/KG	R					U	580	UG/KG	R				
ACENAPHTHENE									U	580	UG/KG	R				
ACENAPHTHYLENE	U	590	UG/KG	R					U	580	UG/KG	R				
ACETOPHENONE	U	590	UG/KG	R					U	580	UG/KG	R				
ANILINE	U	590	UG/KG	R					U	580	UG/KG	R				
ANTHRACENE	U	590	UG/KG	R					U	580	UG/KG	R				
BENZO(A)ANTHRACENE	U	590	UG/KG	R					U	580	UG/KG	R				
BENZO(A)PYRENE	U	590	UG/KG	R					U	580	UG/KG	R				
BENZO(B)FLUORANTHENE	U	590	UG/KG	R					U	580	UG/KG	R				
BENZO(G,H,I)PERYLENE	U	590	UG/KG	R					U	580	UG/KG	R				
BENZO(K)FLUORANTHENE	U	590	UG/KG	R					U	580	UG/KG	R				
BENZOIC ACID	U	3000	UG/KG	R					U	2900	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-05				05-05				05-06				05-06		
Sample ID:	100214				100214DL				100215				100215DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	8.0				8.0				8.0				8.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
4-AMINOBIPHENYL	U	470	UG/KG	R				U	530	UG/KG	R				
4-BROMOPHENYL PHENYL ETHER	U	470	UG/KG	R				U	530	UG/KG	R				
4-CHLORO-3-METHYLPHENOL	U	940	UG/KG	R				U	1100	UG/KG	R				
4-CHLOROANILINE	U	940	UG/KG	R				U	1100	UG/KG	R				
4-CHLOROPHENOL PHENYL ETHER	U	470	UG/KG	R				U	530	UG/KG	R				
4-METHYLPHENOL	U	470	UG/KG	R				U	530	UG/KG	R				
4-NITROANILINE	U	2400	UG/KG	R				U	2600	UG/KG	R				
4-NITROPHENOL	U	2400	UG/KG	R				U	2600	UG/KG	R				
4-NITROQUINOLINE 1-OXIDE	U	470	UG/KG	R				U	530	UG/KG	R				
5-NITRO-O-TOLUIDINE	U	2400	UG/KG	R				U	2600	UG/KG	R				
7,12-DIMETHYLBENZ(A)ANTHRACENE	U	2400	UG/KG	R				U	2600	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE	U	470	UG/KG	R				U	530	UG/KG	R				
ACENAPHTHENE	U	470	UG/KG	R				U	530	UG/KG	R				
ACENAPHTHYLENE	U	470	UG/KG	R				U	530	UG/KG	R				
ACETOPHENONE	U	470	UG/KG	R				U	530	UG/KG	R				
ANILINE	U	470	UG/KG	R				U	530	UG/KG	R				
ANTHRACENE	U	470	UG/KG	R				U	530	UG/KG	R				
BENZO(A)ANTHRACENE	U	470	UG/KG	R				U	530	UG/KG	R				
BENZO(A)PYRENE	U	470	UG/KG	R				U	530	UG/KG	R				
BENZO(B)FLUORANTHENE	U	470	UG/KG	R				U	530	UG/KG	R				
BENZO(G,H,I)PERYLENE	U	470	UG/KG	R				U	530	UG/KG	R				
BENZO(K)FLUORANTHENE	U	470	UG/KG	R				U	530	UG/KG	R				
BENZOIC ACID	U	2400	UG/KG	R				U	2600	UG/KG	R				

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Pit Material Organic Results

Well/Boring:	05-07				05-07				05-08				05-08			
Sample ID:	100216				100216DL				100217				100217DL			
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL					U	430	UG/KG	R	U	470	UG/KG	R				
4-BROMOPHENYL PHENYL ETHER					U	430	UG/KG	R	U	470	UG/KG	R				
4-CHLORO-3-METHYLPHENOL					U	850	UG/KG	R	U	930	UG/KG	R				
4-CHLOROANILINE					U	850	UG/KG	R	U	930	UG/KG	R				
4-CHLOROPHENOL PHENYL ETHER					U	430	UG/KG	R	U	470	UG/KG	R				
4-METHYLPHENOL					U	430	UG/KG	R	U	470	UG/KG	R				
4-NITROANILINE					U	2100	UG/KG	R	U	2300	UG/KG	R				
4-NITROPHENOL					U	2100	UG/KG	R	U	2300	UG/KG	R				
4-NITROQUINOLINE 1-OXIDE					U	430	UG/KG	R	U	470	UG/KG	R				
5-NITRO-O-TOLUIDINE					U	2100	UG/KG	R	U	2300	UG/KG	R				
7,12-DIMETHYLBENZ(A)ANTHRACENE					U	2100	UG/KG	R	U	2300	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE					U	430	UG/KG	R	U	470	UG/KG	R				
ACENAPHTHENE					U	430	UG/KG	R								
ACENAPHTHYLENE					U	430	UG/KG	R	U	470	UG/KG	R				
ACETOPHENONE					U	430	UG/KG	R	U	470	UG/KG	R				
ANILINE					U	430	UG/KG	R	U	470	UG/KG	R				
ANTHRACENE						470	UG/KG	R	U	470	UG/KG	R				
BENZO(A)ANTHRACENE					U	430	UG/KG	R	U	470	UG/KG	R				
BENZO(A)PYRENE					U	430	UG/KG	R	U	470	UG/KG	R				
BENZO(B)FLUORANTHENE					U	430	UG/KG	R	U	470	UG/KG	R				
BENZO(G,H,I)PERYLENE					U	430	UG/KG	R	U	470	UG/KG	R				
BENZO(K)FLUORANTHENE					U	430	UG/KG	R	U	470	UG/KG	R				
BENZOIC ACID					U	2100	UG/KG	R	U	2300	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-08				05-08				05-04				05-04		
Sample ID:	100218				100218DL				100219				100219DL		
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL	U	460	UG/KG	R					U	570	UG/KG	R				
4-BROMOPHENYL PHENYL ETHER	U	460	UG/KG	R					U	570	UG/KG	R				
4-CHLORO-3-METHYLPHENOL	U	910	UG/KG	R					U	1100	UG/KG	R				
4-CHLOROANILINE	U	910	UG/KG	R					U	1100	UG/KG	R				
4-CHLOROPHENOL PHENYL ETHER	U	460	UG/KG	R					U	570	UG/KG	R				
4-METHYLPHENOL	U	460	UG/KG	R					U	570	UG/KG	R				
4-NITROANILINE	U	2300	UG/KG	R					U	2900	UG/KG	R				
4-NITROPHENOL	U	2300	UG/KG	R					U	2900	UG/KG	R				
4-NITROQUINOLINE 1-OXIDE	U	460	UG/KG	R					U	570	UG/KG	R				
5-NITRO-O-TOLUIDINE	U	2300	UG/KG	R					U	2900	UG/KG	R				
7,12-DIMETHYLBENZ(A)ANTHRACENE	U	2300	UG/KG	R					U	2900	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE	U	460	UG/KG	R					U	570	UG/KG	R				
ACENAPHTHENE																
ACENAPHTHYLENE	U	460	UG/KG	R					U	570	UG/KG	R				
ACETOPHENONE	U	460	UG/KG	R					U	570	UG/KG	R				
ANILINE	U	460	UG/KG	R					U	570	UG/KG	R				
ANTHRACENE	U	460	UG/KG	R					U	570	UG/KG	R				
BENZO(A)ANTHRACENE	U	460	UG/KG	R					U	570	UG/KG	R				
BENZO(A)PYRENE	U	460	UG/KG	R					U	570	UG/KG	R				
BENZO(B)FLUORANTHENE	U	460	UG/KG	R					U	570	UG/KG	R				
BENZO(G,H,I)PERYLENE	U	460	UG/KG	R					U	570	UG/KG	R				
BENZO(K)FLUORANTHENE	U	460	UG/KG	R					U	570	UG/KG	R				
BENZOIC ACID	U	2300	UG/KG	R					U	2900	UG/KG	R				

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Pit Material Organic Results

Well/Boring:	05-01				05-01				05-02				05-02		
Sample ID:	100210				100210DL				100211				100211DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	15.0				15.0				18.0				18.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BENZYL ALCOHOL	U	2100	UG/KG	R					U	1900	UG/KG	R				
BIS(2-CHLOROETHOXY)METHANE	U	1000	UG/KG	R					U	950	UG/KG	R				
BIS(2-CHLOROETHYL)ETHER	U	1000	UG/KG	R					U	950	UG/KG	R				
BIS(2-CHLOROISOPROPYL)ETHER	U	1000	UG/KG	R					U	950	UG/KG	R				
BIS(2-ETHYLHEXYL)PHTHALATE	U	1000	UG/KG	R					U	950	UG/KG	R				
BUTYL BENZYL PHTHALATE	U	1000	UG/KG	R					U	950	UG/KG	R				
CARBAZOLE	U	1000	UG/KG	R					U	950	UG/KG	R				
CHLOROBENZILATE	U	5200	UG/KG	R					U	4700	UG/KG	R				
CHRYSENE	U	1000	UG/KG	R					U	950	UG/KG	R				
DI-N-BUTYLPHTHALATE	U	1000	UG/KG	R					U	950	UG/KG	R				
DI-N-OCTYLPHTHALATE	U	1000	UG/KG	R					U	950	UG/KG	R				
DIALLATE	U	5200	UG/KG	R					U	4700	UG/KG	R				
DIBENZO(A,H)ANTHRACENE	U	1000	UG/KG	R					U	950	UG/KG	R				
DIBENZOFURAN	U	1000	UG/KG	R					U	950	UG/KG	R				
DIETHYL PHTHALATE	U	1000	UG/KG	R					U	950	UG/KG	R				
DIMETHYL PHTHALATE	U	1000	UG/KG	R					U	950	UG/KG	R				
DIPHENYLAMINE	U	5200	UG/KG	R					U	4700	UG/KG	R				
ETHYL METHANESULFONATE	U	1000	UG/KG	R					U	950	UG/KG	R				
FLUORANTHENE	U	1000	UG/KG	R					U	950	UG/KG	R				
FLUORENE	U	1000	UG/KG	R					U	950	UG/KG	R				
HEXACHLOROBENZENE	U	1000	UG/KG	R					U	950	UG/KG	R				
HEXACHLOROBUTADIENE	U	1000	UG/KG	R												
HEXACHLOROCYCLOPENTADIENE	U	1000	UG/KG	R					U	950	UG/KG	R				

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Well/Boring:	05-03				05-03				05-04				05-04			
Sample ID:	100212				100212DL				100213				100213DL			
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	18.0				18.0				16.0				16.0			
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
BENZYL ALCOHOL	U	1200	UG/KG	R				U	1200	UG/KG	R					
BIS(2-CHLOROETHOXY)METHANE	U	590	UG/KG	R				U	580	UG/KG	R					
BIS(2-CHLOROETHYL)ETHER	U	590	UG/KG	R				U	580	UG/KG	R					
BIS(2-CHLOROISOPROPYL)ETHER	U	590	UG/KG	R				U	580	UG/KG	R					
BIS(2-ETHYLHEXYL)PHTHALATE	U	590	UG/KG	R				U	580	UG/KG	R					
BUTYL BENZYL PHTHALATE	U	590	UG/KG	R				U	580	UG/KG	R					
CARBAZOLE	U	590	UG/KG	R				U	580	UG/KG	R					
CHLOROBENZILATE	U	3000	UG/KG	R				U	2900	UG/KG	R					
CHRYSENE	U	590	UG/KG	R				U	580	UG/KG	R					
DI-N-BUTYLPHTHALATE	U	590	UG/KG	R				U	580	UG/KG	R					
DI-N-OCTYLPHTHALATE	U	590	UG/KG	R				U	580	UG/KG	R					
DIALLATE	U	3000	UG/KG	R				U	2900	UG/KG	R					
DIBENZO(A,H)ANTHRACENE	U	590	UG/KG	R				U	580	UG/KG	R					
DIBENZOFURAN	U	590	UG/KG	R				U	580	UG/KG	R					
DIETHYL PHTHALATE	U	590	UG/KG	R				U	580	UG/KG	R					
DIMETHYL PHTHALATE	U	590	UG/KG	R				U	580	UG/KG	R					
DIPHENYLAMINE	U	3000	UG/KG	R				U	2900	UG/KG	R					
ETHYL METHANESULFONATE	U	590	UG/KG	R				U	580	UG/KG	R					
FLUORANTHENE	U	590	UG/KG	R				U	580	UG/KG	R					
FLUORENE	U	590	UG/KG	R				U	580	UG/KG	R					
HEXACHLOROBENZENE	U	590	UG/KG	R				U	580	UG/KG	R					
HEXACHLOROBUTADIENE	U	590	UG/KG	R				U	580	UG/KG	R					
HEXACHLOROCYCLOPENTADIENE	U	590	UG/KG	R				U	580	UG/KG	R					

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Well/Boring:	05-05				05-05				05-06				05-06		
Sample ID:	100214				100214DL				100215				100215DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	8.0				8.0				8.0				8.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
BENZYL ALCOHOL	U	940	UG/KG	R				U	1100	UG/KG	R				
BIS(2-CHLOROETHOXY)METHANE	U	470	UG/KG	R				U	530	UG/KG	R				
BIS(2-CHLOROETHYL)ETHER	U	470	UG/KG	R				U	530	UG/KG	R				
BIS(2-CHLOROISOPROPYL)ETHER	U	470	UG/KG	R				U	530	UG/KG	R				
BIS(2-ETHYLHEXYL)PHTHALATE	U	470	UG/KG	R				U	530	UG/KG	R				
BUTYL BENZYL PHTHALATE	U	470	UG/KG	R				U	530	UG/KG	R				
CARBAZOLE	U	470	UG/KG	R				U	530	UG/KG	R				
CHLOROBENZILATE	U	2400	UG/KG	R				U	2600	UG/KG	R				
CHRYSENE	U	470	UG/KG	R				U	530	UG/KG	R				
DI-N-BUTYLPHTHALATE	U	470	UG/KG	R				U	530	UG/KG	R				
DI-N-OCTYLPHTHALATE	U	470	UG/KG	R				U	530	UG/KG	R				
DIALLATE	U	2400	UG/KG	R				U	2600	UG/KG	R				
DIBENZO(A,H)ANTHRACENE	U	470	UG/KG	R				U	530	UG/KG	R				
DIBENZOFURAN	U	470	UG/KG	R				U	530	UG/KG	R				
DIETHYL PHTHALATE	U	470	UG/KG	R				U	530	UG/KG	R				
DIMETHYL PHTHALATE	U	470	UG/KG	R				U	530	UG/KG	R				
DIPHENYLAMINE	U	2400	UG/KG	R				U	2600	UG/KG	R				
ETHYL METHANESULFONATE	U	470	UG/KG	R				U	530	UG/KG	R				
FLUORANTHENE	U	470	UG/KG	R				U	530	UG/KG	R				
FLUORENE	U	470	UG/KG	R				U	530	UG/KG	R				
HEXACHLOROBENZENE	U	470	UG/KG	R				U	530	UG/KG	R				
HEXACHLOROBUTADIENE	U	470	UG/KG	R				U	530	UG/KG	R				
HEXACHLOROCYCLOPENTADIENE	U	470	UG/KG	R				U	530	UG/KG	R				

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Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-07					05-07					05-08					05-08			
Sample ID:		100216					100216DL					100217					100217DL			
Sample Date:		04/29/92					04/29/92					04/28/92					04/28/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					6.0			
BENZYL ALCOHOL						U	850	UG/KG	R		U	930	UG/KG	R						
BIS(2-CHLOROETHOXY)METHANE						U	430	UG/KG	R		U	470	UG/KG	R						
BIS(2-CHLOROETHYL)ETHER						U	430	UG/KG	R		U	470	UG/KG	R						
BIS(2-CHLOROISOPROPYL)ETHER						U	430	UG/KG	R		U	470	UG/KG	R						
BIS(2-ETHYLHEXYL)PHTHALATE						U	430	UG/KG	R		U	470	UG/KG	R						
BUTYL BENZYL PHTHALATE						U	430	UG/KG	R		U	470	UG/KG	R						
CARBAZOLE						J	140	UG/KG	R		U	470	UG/KG	R						
CHLOROBENZILATE						U	2100	UG/KG	R		U	2300	UG/KG	R						
CHRYSENE						U	430	UG/KG	R		U	470	UG/KG	R						
DI-N-BUTYLPHTHALATE						U	430	UG/KG	R		U	470	UG/KG	R						
DI-N-OCTYLPHTHALATE						U	430	UG/KG	R		U	470	UG/KG	R						
DIALLATE						U	2100	UG/KG	R		U	2300	UG/KG	R						
DIBENZO(A,H)ANTHRACENE						U	430	UG/KG	R		U	470	UG/KG	R						
DIBENZOFURAN						U	430	UG/KG	R		U	470	UG/KG	R						
DIETHYL PHTHALATE						U	430	UG/KG	R		U	470	UG/KG	R						
DIMETHYL PHTHALATE						U	430	UG/KG	R		U	470	UG/KG	R						
DIPHENYLAMINE						U	2100	UG/KG	R		U	2300	UG/KG	R						
ETHYL METHANESULFONATE						U	430	UG/KG	R		U	470	UG/KG	R						
FLUORANTHENE						U	430	UG/KG	R		U	470	UG/KG	R						
FLUORENE						U	430	UG/KG	R		U	470	UG/KG	R						
HEXACHLOROBENZENE						U	430	UG/KG	R		U	470	UG/KG	R						
HEXACHLOROBUTADIENE						U	430	UG/KG	R		U	470	UG/KG	R						
HEXACHLOROCYCLOPENTADIENE						U	430	UG/KG	R		U	470	UG/KG	R						

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-08				05-08				05-04				05-04			
Sample ID:		100218				100218DL				100219				100219DL			
Sample Date:		04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):		N/A				N/A				N/A				N/A			
Bottom Depth (ft):		6.0				6.0				16.0				16.0			
BENZYL ALCOHOL	U	910	UG/KG	R					U	1100	UG/KG	R					
BIS(2-CHLOROETHOXY)METHANE	U	460	UG/KG	R					U	570	UG/KG	R					
BIS(2-CHLOROETHYL)ETHER	U	460	UG/KG	R					U	570	UG/KG	R					
BIS(2-CHLOROISOPROPYL)ETHER	U	460	UG/KG	R					U	570	UG/KG	R					
BIS(2-ETHYLHEXYL)PHTHALATE	U	460	UG/KG	R					U	570	UG/KG	R					
BUTYL BENZYL PHTHALATE	U	460	UG/KG	R					U	570	UG/KG	R					
CARBAZOLE	U	460	UG/KG	R					U	570	UG/KG	R					
CHLOROBENZILATE	U	2300	UG/KG	R					U	2900	UG/KG	R					
CHRYSENE	U	460	UG/KG	R					U	570	UG/KG	R					
DI-N-BUTYLPHTHALATE	U	460	UG/KG	R					U	570	UG/KG	R					
DI-N-OCTYLPHTHALATE	U	460	UG/KG	R					U	570	UG/KG	R					
DIALLATE	U	2300	UG/KG	R					U	2900	UG/KG	R					
DIBENZO(A,H)ANTHRACENE	U	460	UG/KG	R					U	570	UG/KG	R					
DIBENZOFURAN	U	460	UG/KG	R					U	570	UG/KG	R					
DIETHYL PHTHALATE	U	460	UG/KG	R					U	570	UG/KG	R					
DIMETHYL PHTHALATE	U	460	UG/KG	R					U	570	UG/KG	R					
DIPHENYLAMINE	U	2300	UG/KG	R					U	2900	UG/KG	R					
ETHYL METHANESULFONATE	U	460	UG/KG	R					U	570	UG/KG	R					
FLUORANTHENE	U	460	UG/KG	R					U	570	UG/KG	R					
FLUORENE	U	460	UG/KG	R					U	570	UG/KG	R					
HEXACHLOROBENZENE	U	460	UG/KG	R					U	570	UG/KG	R					
HEXACHLOROBUTADIENE	U	460	UG/KG	R					U	570	UG/KG	R					
HEXACHLOROCYCLOPENTADIENE	U	460	UG/KG	R					U	570	UG/KG	R					

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Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-01					05-01					05-02					05-02			
Sample ID:		100210					100210DL					100211					100211DL			
Sample Date:		04/28/92					04/28/92					04/29/92					04/29/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		15.0					15.0					18.0					18.0			
HEXACHLOROETHANE	U	1000	UG/KG	R							U	950	UG/KG	R						
HEXACHLOROPHENE	U	10000	UG/KG	R							U	9500	UG/KG	R						
HEXACHLOROPROPENE	U	2100	UG/KG	R							U	1900	UG/KG	R						
INDENO(1,2,3-CD)PYRENE	U	1000	UG/KG	R							U	950	UG/KG	R						
ISODRIN	U	1000	UG/KG	R							U	950	UG/KG	R						
ISOPHORONE	U	1000	UG/KG	R							U	950	UG/KG	R						
ISOSAFROLE	U	1000	UG/KG	R							U	950	UG/KG	R						
KEPONE	U	10000	UG/KG	R							U	9500	UG/KG	R						
METHAPYRILENE	U	5200	UG/KG	R							U	4700	UG/KG	R						
METHYL METHANESULFONATE	U	1000	UG/KG	R							U	950	UG/KG	R						
METHYL PARATHION	U	1000	UG/KG	R							U	950	UG/KG	R						
N-NITROSO-DI-N-BUTYLAMINE	U	1000	UG/KG	R							U	950	UG/KG	R						
N-NITROSO-DI-N-PROPYLAMINE	U	1000	UG/KG	R							U	950	UG/KG	R						
N-NITROSODIMETHYLAMINE	U	1000	UG/KG	R							U	950	UG/KG	R						
N-NITROSODIPHENYLAMINE	U	1000	UG/KG	R							U	950	UG/KG	R						
N-NITROSOMETHYLETHYLAMINE	U	2100	UG/KG	R							U	1900	UG/KG	R						
N-NITROSOMORPHOLINE	U	1000	UG/KG	R							U	950	UG/KG	R						
N-NITROSOPIPERIDINE	U	1000	UG/KG	R							U	950	UG/KG	R						
N-NITROSOPYRROLIDINE	U	1000	UG/KG	R							U	950	UG/KG	R						
NAPHTHALENE	U	1000	UG/KG	R																
NITROBENZENE	U	1000	UG/KG	R							U	950	UG/KG	R						
PARATHION	U	1000	UG/KG	R							U	950	UG/KG	R						
PENTACHLOROBENZENE	U	5200	UG/KG	R							U	4700	UG/KG	R						

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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
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Well/Boring:	05-03				05-03				05-04				05-04		
Sample ID:	100212				100212DL				100213				100213DL		
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	18.0				18.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEXACHLOROETHANE	U	590	UG/KG	R					U	580	UG/KG	R				
HEXACHLOROPHENE	U	5900	UG/KG	R					U	5800	UG/KG	R				
HEXACHLOROPROPENE	U	1200	UG/KG	R					U	1200	UG/KG	R				
INDENO(1,2,3-CD)PYRENE	U	590	UG/KG	R					U	580	UG/KG	R				
ISODRIN	U	590	UG/KG	R					U	580	UG/KG	R				
ISOPHORONE	U	590	UG/KG	R					U	580	UG/KG	R				
ISOSAFROLE	U	590	UG/KG	R					U	580	UG/KG	R				
KEPONE	U	5900	UG/KG	R					U	5800	UG/KG	R				
METHAPYRILENE	U	3000	UG/KG	R					U	2900	UG/KG	R				
METHYL METHANESULFONATE	U	590	UG/KG	R					U	580	UG/KG	R				
METHYL PARATHION	U	590	UG/KG	R					U	580	UG/KG	R				
N-NITROSO-DI-N-BUTYLAMINE	U	590	UG/KG	R					U	580	UG/KG	R				
N-NITROSO-DI-N-PROPYLAMINE	U	590	UG/KG	R					U	580	UG/KG	R				
N-NITROSODIMETHYLAMINE	U	590	UG/KG	R					U	580	UG/KG	R				
N-NITROSODIPHENYLAMINE	U	590	UG/KG	R					U	580	UG/KG	R				
N-NITROSOMETHYLETHYLAMINE	U	1200	UG/KG	R					U	1200	UG/KG	R				
N-NITROSOMORPHOLINE	U	590	UG/KG	R					U	580	UG/KG	R				
N-NITROSOPIPERIDINE	U	590	UG/KG	R					U	580	UG/KG	R				
N-NITROSOPYRROLIDINE	U	590	UG/KG	R					U	580	UG/KG	R				
NAPHTHALENE	U	590	UG/KG	R					U	580	UG/KG	R				
NITROBENZENE	U	590	UG/KG	R					U	580	UG/KG	R				
PARATHION	U	590	UG/KG	R					U	580	UG/KG	R				
PENTACHLOROBENZENE	U	3000	UG/KG	R					U	2900	UG/KG	R				

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Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:	05-05					05-05				05-06				05-06			
Sample ID:	100214					100214DL				100215				100215DL			
Sample Date:	04/28/92					04/28/92				04/29/92				04/29/92			
Top Depth (ft):	N/A					N/A				N/A				N/A			
Bottom Depth (ft):	8.0					8.0				8.0				8.0			
HEXACHLOROETHANE	U	470	UG/KG	R					U	530	UG/KG	R					
HEXACHLOROPHENE	U	4700	UG/KG	R					U	5300	UG/KG	R					
HEXACHLOROPROPENE	U	940	UG/KG	R					U	1100	UG/KG	R					
INDENO(1,2,3-CD)PYRENE	U	470	UG/KG	R					U	530	UG/KG	R					
ISODRIN	U	470	UG/KG	R					U	530	UG/KG	R					
ISOPHORONE	U	470	UG/KG	R					U	530	UG/KG	R					
ISOSAFROLE	U	470	UG/KG	R					U	530	UG/KG	R					
KEPONE	U	4700	UG/KG	R					U	5300	UG/KG	R					
METHAPYRILENE	U	2400	UG/KG	R					U	2600	UG/KG	R					
METHYL METHANESULFONATE	U	470	UG/KG	R					U	530	UG/KG	R					
METHYL PARATHION	U	470	UG/KG	R					U	530	UG/KG	R					
N-NITROSO-DI-N-BUTYLAMINE	U	470	UG/KG	R					U	530	UG/KG	R					
N-NITROSO-DI-N-PROPYLAMINE	U	470	UG/KG	R					U	530	UG/KG	R					
N-NITROSODIMETHYLAMINE	U	470	UG/KG	R					U	530	UG/KG	R					
N-NITROSODIPHENYLAMINE	U	470	UG/KG	R					U	530	UG/KG	R					
N-NITROSOMETHYLETHYLAMINE	U	940	UG/KG	R					U	1100	UG/KG	R					
N-NITROSOMORPHOLINE	U	470	UG/KG	R					U	530	UG/KG	R					
N-NITROSOPIPERIDINE	U	470	UG/KG	R					U	530	UG/KG	R					
N-NITROSOPYRROLIDINE	U	470	UG/KG	R					U	530	UG/KG	R					
NAPHTHALENE	U	470	UG/KG	R					U	530	UG/KG	R					
NITROBENZENE	U	470	UG/KG	R					U	530	UG/KG	R					
PARATHION	U	470	UG/KG	R					U	530	UG/KG	R					
PENTACHLOROBENZENE	U	2400	UG/KG	R					U	2600	UG/KG	R					

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Well/Boring:	05-07				05-07				05-08				05-08			
Sample ID:	100216				100216DL				100217				100217DL			
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEXACHLOROETHANE					U	430	UG/KG	R	U	470	UG/KG	R				
HEXACHLOROPHENE					U	4300	UG/KG	R	U	4700	UG/KG	R				
HEXACHLOROPROPENE					U	850	UG/KG	R	U	930	UG/KG	R				
INDENO(1,2,3-CD)PYRENE					U	430	UG/KG	R	U	470	UG/KG	R				
ISODRIN					U	430	UG/KG	R	U	470	UG/KG	R				
ISOPHORONE					U	430	UG/KG	R	U	470	UG/KG	R				
ISOSAFROLE					U	430	UG/KG	R	U	470	UG/KG	R				
KEPONE					U	4300	UG/KG	R	U	4700	UG/KG	R				
METHAPYRILENE					U	2100	UG/KG	R	U	2300	UG/KG	R				
METHYL METHANESULFONATE					U	430	UG/KG	R	U	470	UG/KG	R				
METHYL PARATHION					U	430	UG/KG	R	U	470	UG/KG	R				
N-NITROSO-DI-N-BUTYLAMINE					U	430	UG/KG	R	U	470	UG/KG	R				
N-NITROSO-DI-N-PROPYLAMINE					U	430	UG/KG	R	U	470	UG/KG	R				
N-NITROSODIMETHYLAMINE					U	430	UG/KG	R	U	470	UG/KG	R				
N-NITROSODIPHENYLAMINE					U	430	UG/KG	R	U	470	UG/KG	R				
N-NITROSOMETHYLETHYLAMINE					U	850	UG/KG	R	U	930	UG/KG	R				
N-NITROSOMORPHOLINE					U	430	UG/KG	R	U	470	UG/KG	R				
N-NITROSOPIPERIDINE					U	430	UG/KG	R	U	470	UG/KG	R				
N-NITROSOPYRROLIDINE					U	430	UG/KG	R	U	470	UG/KG	R				
NAPHTHALENE					U	430	UG/KG	R	U	470	UG/KG	R				
NITROBENZENE					U	430	UG/KG	R	U	470	UG/KG	R				
PARATHION					U	430	UG/KG	R	U	470	UG/KG	R				
PENTACHLOROBENZENE					U	2100	UG/KG	R	U	2300	UG/KG	R				

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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:	05-08				05-08				05-04				05-04			
Sample ID:	100218				100218DL				100219				100219DL			
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				16.0				16.0			
HEXACHLOROETHANE	U	460	UG/KG	R					U	570	UG/KG	R				
HEXACHLOROPHENE	U	4600	UG/KG	R					U	5700	UG/KG	R				
HEXACHLOROPROPENE	U	910	UG/KG	R					U	1100	UG/KG	R				
INDENO(1,2,3-CD)PYRENE	U	460	UG/KG	R					U	570	UG/KG	R				
ISODRIN	U	460	UG/KG	R					U	570	UG/KG	R				
ISOPHORONE	U	460	UG/KG	R					U	570	UG/KG	R				
ISOSAFROLE	U	460	UG/KG	R					U	570	UG/KG	R				
KEPONE	U	4600	UG/KG	R					U	5700	UG/KG	R				
METHAPYRILENE	U	2300	UG/KG	R					U	2900	UG/KG	R				
METHYL METHANESULFONATE	U	460	UG/KG	R					U	570	UG/KG	R				
METHYL PARATHION	U	460	UG/KG	R					U	570	UG/KG	R				
N-NITROSO-DI-N-BUTYLAMINE	U	460	UG/KG	R					U	570	UG/KG	R				
N-NITROSO-DI-N-PROPYLAMINE	U	460	UG/KG	R					U	570	UG/KG	R				
N-NITROSODIMETHYLAMINE	U	460	UG/KG	R					U	570	UG/KG	R				
N-NITROSODIPHENYLAMINE	U	460	UG/KG	R					U	570	UG/KG	R				
N-NITROSOMETHYLETHYLAMINE	U	910	UG/KG	R					U	1100	UG/KG	R				
N-NITROSOMORPHOLINE	U	460	UG/KG	R					U	570	UG/KG	R				
N-NITROSOPIPERIDINE	U	460	UG/KG	R					U	570	UG/KG	R				
N-NITROSOPYRROLIDINE	U	460	UG/KG	R					U	570	UG/KG	R				
NAPHTHALENE	U	460	UG/KG	R					U	570	UG/KG	R				
NITROBENZENE	U	460	UG/KG	R					U	570	UG/KG	R				
PARATHION	U	460	UG/KG	R					U	570	UG/KG	R				
PENTACHLOROBENZENE	U	2300	UG/KG	R					U	2900	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-01				05-01				05-02				05-02		
Sample ID:	100210				100210DL				100211				100211DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	15.0				15.0				18.0				18.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
PENTACHLOROETHANE	U	160	UG/KG	R											
PENTACHLORONITROBENZENE	U	1000	UG/KG	R			U	950	UG/KG	R					
PENTACHLOROPHENOL	U	5200	UG/KG	R			U	4700	UG/KG	R					
PHENACETIN	U	1000	UG/KG	R			U	950	UG/KG	R					
PHENANTHRENE	U	1000	UG/KG	R			U	950	UG/KG	R					
PHENOL	U	1000	UG/KG	R			U	950	UG/KG	R					
PHORATE	U	5200	UG/KG	R			U	4700	UG/KG	R					
PRONAMIDE	U	1000	UG/KG	R			U	950	UG/KG	R					
PYRENE	U	1000	UG/KG	R			U	950	UG/KG	R					
PYRIDINE	U	1000	UG/KG	R			U	950	UG/KG	R					
SAFROLE	U	5200	UG/KG	R			U	4700	UG/KG	R					
o,o,o-TRIETHYLPHOSPHOROTHIOATE		1000	UG/KG	R			U	950	UG/KG	R					
o,o-DIETHYL-o,2-PYRAZINYLPHOSE		1000	UG/KG	R			U	950	UG/KG	R					
o-TOLUIDINE	U	1000	UG/KG	R			U	950	UG/KG	R					
p-DIMETHYLAMINOAZOBENZENE	U	1000	UG/KG	R			U	950	UG/KG	R					
1,1,1,2-TETRACHLOROETHANE	U	160	UG/KG	R							U	140	UG/KG	R	
1,1,1-TRICHLOROETHANE	U	160	UG/KG	R								140	UG/KG	R	
1,1,2,2-TETRACHLOROETHANE	J	26	UG/KG	R								140	UG/KG	R	
1,1,2-TRICHLOROETHANE	U	160	UG/KG	R								140	UG/KG	R	
1,1-DICHLOROETHANE	U	160	UG/KG	R								140	UG/KG	R	
1,1-DICHLOROETHENE	U	160	UG/KG	R								140	UG/KG	R	
1,2,3-TRICHLOROPROPANE	U	160	UG/KG	R								140	UG/KG	R	
1,2-DIBROMO-3-CHLOROPROPANE	U	310	UG/KG	R								280	UG/KG	R	

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Pit Material Organic Results

Well/Boring:	05-03				05-03				05-04				05-04		
Sample ID:	100212				100212DL				100213				100213DL		
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	18.0				18.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
PENTACHLOROETHANE	U	89	UG/KG	R				U	89	UG/KG	R				
PENTACHLORONITROBENZENE	U	590	UG/KG	R				U	580	UG/KG	R				
PENTACHLOROPHENOL	U	3000	UG/KG	R				U	2900	UG/KG	R				
PHENACETIN	U	590	UG/KG	R				U	580	UG/KG	R				
PHENANTHRENE	U	590	UG/KG	R				U	580	UG/KG	R				
PHENOL	U	590	UG/KG	R				U	580	UG/KG	R				
PHORATE	U	3000	UG/KG	R				U	2900	UG/KG	R				
PRONAMIDE	U	590	UG/KG	R				U	580	UG/KG	R				
PYRENE	U	590	UG/KG	R				U	580	UG/KG	R				
PYRIDINE	U	590	UG/KG	R				U	580	UG/KG	R				
SAFROLE	U	3000	UG/KG	R				U	2900	UG/KG	R				
o,o,o-TRIETHYLPHOSPHOROTHIOATE		590	UG/KG	R				U	580	UG/KG	R				
o,o-DIETHYL-o,2-PYRAZINYLPHOSE		590	UG/KG	R				U	580	UG/KG	R				
o-TOLUIDINE	U	590	UG/KG	R				U	580	UG/KG	R				
p-DIMETHYLAMINOAZOBENZENE	U	590	UG/KG	R				U	580	UG/KG	R				
1,1,1,2-TETRACHLOROETHANE	U	89	UG/KG	R				U	89	UG/KG	R				
1,1,1-TRICHLOROETHANE	U	89	UG/KG	R				U	89	UG/KG	R				
1,1,2,2-TETRACHLOROETHANE	U	89	UG/KG	R				U	89	UG/KG	R				
1,1,2-TRICHLOROETHANE	U	89	UG/KG	R				U	89	UG/KG	R				
1,1-DICHLOROETHANE	U	89	UG/KG	R				U	89	UG/KG	R				
1,1-DICHLOROETHENE	J	27	UG/KG	R				U	89	UG/KG	R				
1,2,3-TRICHLOROPROPANE	U	89	UG/KG	R				U	89	UG/KG	R				
1,2-DIBROMO-3-CHLOROPROPANE	U	180	UG/KG	R				U	180	UG/KG	R				

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Well/Boring:	05-05				05-05				05-06				05-06		
Sample ID:	100214				100214DL				100215				100215DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	8.0				8.0				8.0				8.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
PENTACHLOROETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
PENTACHLORONITROBENZENE	U	470	UG/KG	R				U	530	UG/KG	R				
PENTACHLOROPHENOL	U	2400	UG/KG	R				U	2600	UG/KG	R				
PHENACETIN	U	470	UG/KG	R				U	530	UG/KG	R				
PHENANTHRENE	U	470	UG/KG	R				U	530	UG/KG	R				
PHENOL	U	470	UG/KG	R				U	530	UG/KG	R				
PHORATE	U	2400	UG/KG	R				U	2600	UG/KG	R				
PRONAMIDE	U	470	UG/KG	R				U	530	UG/KG	R				
PYRENE	U	470	UG/KG	R				U	530	UG/KG	R				
PYRIDINE	U	470	UG/KG	R				U	530	UG/KG	R				
SAFROLE	U	2400	UG/KG	R				U	2600	UG/KG	R				
o,o,o-TRIETHYLPHOSPHOROTHIOATE	U	470	UG/KG	R				U	530	UG/KG	R				
o,o-DIETHYL-o,2-PYRAZINYLPHOSE	U	470	UG/KG	R				U	530	UG/KG	R				
o-TOLUIDINE	U	470	UG/KG	R				U	530	UG/KG	R				
p-DIMETHYLAMINOAZOBENZENE	U	470	UG/KG	R				U	530	UG/KG	R				
1,1,1,2-TETRACHLOROETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,1,1-TRICHLOROETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,1,2,2-TETRACHLOROETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,1,2-TRICHLOROETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,1-DICHLOROETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,1-DICHLOROETHENE	U	71	UG/KG	R				U	78	UG/KG	R				
1,2,3-TRICHLOROPROPANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,2-DIBROMO-3-CHLOROPROPANE	U	140	UG/KG	R				U	160	UG/KG	R				

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TCLP = Toxicity Characteristic Leaching Procedure
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Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-07					05-07					05-08					05-08			
Sample ID:		100216					100216DL					100217					100217DL			
Sample Date:		04/29/92					04/29/92					04/28/92					04/28/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					6.0			
PENTACHLOROETHANE						U	64	UG/KG	R		U	69	UG/KG	R						
PENTACHLORONITROBENZENE						U	430	UG/KG	R		U	470	UG/KG	R						
PENTACHLOROPHENOL						U	2100	UG/KG	R		U	2300	UG/KG	R						
PHENACETIN						U	430	UG/KG	R		U	470	UG/KG	R						
PHENANTHRENE						J	110	UG/KG	R		U	470	UG/KG	R						
PHENOL						U	430	UG/KG	R		U	470	UG/KG	R						
PHORATE						U	2100	UG/KG	R		U	2300	UG/KG	R						
PRONAMIDE						U	430	UG/KG	R		U	470	UG/KG	R						
PYRENE						U	430	UG/KG	R		U	470	UG/KG	R						
PYRIDINE	U	430	UG/KG	R							U	470	UG/KG	R						
SAFROLE						U	2100	UG/KG	R		U	2300	UG/KG	R						
o,o,o-TRIETHYLPHOSPHOROTHIOATE						U	430	UG/KG	R		U	470	UG/KG	R						
o,o-DIETHYL-o,2-PYRAZINYLPHOSE						U	430	UG/KG	R		U	470	UG/KG	R						
o-TOLUIDINE						U	430	UG/KG	R		U	470	UG/KG	R						
p-DIMETHYLAMINOAZOBENZENE						U	430	UG/KG	R		U	470	UG/KG	R						
1,1,1,2-TETRACHLOROETHANE											U	69	UG/KG	R						
1,1,1-TRICHLOROETHANE						U	64	UG/KG	R		U	69	UG/KG	R						
1,1,2,2-TETRACHLOROETHANE						U	64	UG/KG	R		U	69	UG/KG	R						
1,1,2-TRICHLOROETHANE						U	64	UG/KG	R		U	69	UG/KG	R						
1,1-DICHLOROETHANE						U	64	UG/KG	R		U	69	UG/KG	R						
1,1-DICHLOROETHENE						U	64	UG/KG	R		U	69	UG/KG	R						
1,2,3-TRICHLOROPROPANE						U	64	UG/KG	R		U	69	UG/KG	R						
1,2-DIBROMO-3-CHLOROPROPANE						U	130	UG/KG	R		U	140	UG/KG	R						

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Well/Boring:	05-08				05-08				05-04				05-04		
Sample ID:	100218				100218DL				100219				100219DL		
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
PENTACHLOROETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
PENTACHLORONITROBENZENE	U	460	UG/KG	R				U	570	UG/KG	R				
PENTACHLOROPHENOL	U	2300	UG/KG	R				U	2900	UG/KG	R				
PHENACETIN	U	460	UG/KG	R				U	570	UG/KG	R				
PHENANTHRENE	U	460	UG/KG	R				U	570	UG/KG	R				
PHENOL	U	460	UG/KG	R				U	570	UG/KG	R				
PHORATE	U	2300	UG/KG	R				U	2900	UG/KG	R				
PRONAMIDE	U	460	UG/KG	R				U	570	UG/KG	R				
PYRENE	U	460	UG/KG	R				U	570	UG/KG	R				
PYRIDINE	U	460	UG/KG	R				U	570	UG/KG	R				
SAFROLE	U	2300	UG/KG	R				U	2900	UG/KG	R				
o,o,o-TRIETHYLPHOSPHOROTHIOATE	U	460	UG/KG	R					570	UG/KG	R				
o,o-DIETHYL-o,2-PYRAZINYLPHOSE	U	460	UG/KG	R						UG/KG	R				
o-TOLUIDINE	U	460	UG/KG	R				U	570	UG/KG	R				
p-DIMETHYLAMINOAZOBENZENE	U	460	UG/KG	R				U	570	UG/KG	R				
1,1,1,2-TETRACHLOROETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
1,1,1-TRICHLOROETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
1,1,2,2-TETRACHLOROETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
1,1,2-TRICHLOROETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
1,1-DICHLOROETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
1,1-DICHLOROETHENE	U	68	UG/KG	R				J	15	UG/KG	R				
1,2,3-TRICHLOROPROPANE	U	68	UG/KG	R				U	86	UG/KG	R				
1,2-DIBROMO-3-CHLOROPROPANE	U	140	UG/KG	R				U	170	UG/KG	R				

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Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-01				05-01				05-02				05-02			
Sample ID:		100210				100210DL				100211				100211DL			
Sample Date:		04/28/92				04/28/92				04/29/92				04/29/92			
Top Depth (ft):		N/A				N/A				N/A				N/A			
Bottom Depth (ft):		15.0				15.0				18.0				18.0			
1,2-DIBROMOETHANE	U	160	UG/KG	R										140	UG/KG	R	
1,2-DICHLOROETHANE	U	160	UG/KG	R										140	UG/KG	R	
1,2-DICHLOROETHENE	U	160	UG/KG	R										140	UG/KG	R	
1,2-DICHLOROPROPANE	U	160	UG/KG	R										140	UG/KG	R	
1,3-DICHLOROPROPENE	U	160	UG/KG	R										140	UG/KG	R	
1,4-DICHLORO-2-BUTENE	U	160	UG/KG	R										140	UG/KG	R	
1,4-DIOXANE	U	4700	UG/KG	R										4200	UG/KG	R	
2-BUTANONE	J	630	UG/KG	R										2800	UG/KG	R	
2-CHLOROETHYL VINYL ETHER	U	310	UG/KG	R										280	UG/KG	R	
2-HEXANONE	J	120	UG/KG	R										1400	UG/KG	R	
4-METHYL-2-PENTANONE	U	1600	UG/KG	R										1400	UG/KG	R	
A,A-DIMETHYLPHENETHYLAMINE	U	1000	UG/KG	R					U	950	UG/KG	R					
ACETONE		6900	UG/KG	R										3900	UG/KG	R	
ACETONITRILE	U	3100	UG/KG	R										2800	UG/KG	R	
ACROLEIN	U	1600	UG/KG	R										1400	UG/KG	R	
ACRYLONITRILE	U	1600	UG/KG	R										1400	UG/KG	R	
ALLYL CHLORIDE	U	3100	UG/KG	R										2800	UG/KG	R	
BENZENE	U	160	UG/KG	R										140	UG/KG	R	
BROMODICHLOROMETHANE	U	160	UG/KG	R										140	UG/KG	R	
BROMOFORM	U	160	UG/KG	R										140	UG/KG	R	
BROMOMETHANE	U	310	UG/KG	R										280	UG/KG	R	
CARBON DISULFIDE	U	160	UG/KG	R										140	UG/KG	R	
CARBON TETRACHLORIDE	U	160	UG/KG	R										140	UG/KG	R	

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Well/Boring:	05-03				05-03				05-04				05-04		
Sample ID:	100212				100212DL				100213				100213DL		
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	18.0				18.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-DIBROMOETHANE	U	89	UG/KG	R					U	89	UG/KG	R				
1,2-DICHLOROETHANE	U	89	UG/KG	R					U	89	UG/KG	R				
1,2-DICHLOROETHENE	U	89	UG/KG	R					U	89	UG/KG	R				
1,2-DICHLOROPROPANE	U	89	UG/KG	R					U	89	UG/KG	R				
1,3-DICHLOROPROPENE	U	89	UG/KG	R					U	89	UG/KG	R				
1,4-DICHLORO-2-BUTENE	U	89	UG/KG	R					U	89	UG/KG	R				
1,4-DIOXANE	U	2700	UG/KG	R					J	2700	UG/KG	R				
2-BUTANONE	J	1000	UG/KG	R					J	290	UG/KG	R				
2-CHLOROETHYL VINYL ETHER	U	180	UG/KG	R					U	180	UG/KG	R				
2-HEXANONE	U	890	UG/KG	R					U	890	UG/KG	R				
4-METHYL-2-PENTANONE	J	32	UG/KG	R					U	890	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE	U	590	UG/KG	R					U	580	UG/KG	R				
ACETONE		4000	UG/KG	R						1900	UG/KG	R				
ACETONITRILE	U	1800	UG/KG	R					U	1800	UG/KG	R				
ACROLEIN	U	890	UG/KG	R					U	890	UG/KG	R				
ACRYLONITRILE	U	890	UG/KG	R					U	890	UG/KG	R				
ALLYL CHLORIDE	U	1800	UG/KG	R					U	1800	UG/KG	R				
BENZENE	U	89	UG/KG	R					U	89	UG/KG	R				
BROMODICHLOROMETHANE	U	89	UG/KG	R					U	89	UG/KG	R				
BROMOFORM	U	89	UG/KG	R					U	89	UG/KG	R				
BROMOMETHANE	U	180	UG/KG	R					U	180	UG/KG	R				
CARBON DISULFIDE	U	89	UG/KG	R					U	89	UG/KG	R				
CARBON TETRACHLORIDE	U	89	UG/KG	R					U	89	UG/KG	R				

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Well/Boring:	05-05				05-05				05-06				05-06		
Sample ID:	100214				100214DL				100215				100215DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	8.0				8.0				8.0				8.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
1,2-DIBROMOETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,2-DICHLOROETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,2-DICHLOROETHENE	U	71	UG/KG	R				U	78	UG/KG	R				
1,2-DICHLOROPROPANE	U	71	UG/KG	R				U	78	UG/KG	R				
1,3-DICHLOROPROPENE	U	71	UG/KG	R				U	78	UG/KG	R				
1,4-DICHLORO-2-BUTENE	U	71	UG/KG	R				U	78	UG/KG	R				
1,4-DIOXANE	U	2100	UG/KG	R				U	2300	UG/KG	R				
2-BUTANONE	J	210	UG/KG	R				J	230	UG/KG	R				
2-CHLOROETHYL VINYL ETHER	U	140	UG/KG	R				U	160	UG/KG	R				
2-HEXANONE	J	18	UG/KG	R				U	780	UG/KG	R				
4-METHYL-2-PENTANONE	J	22	UG/KG	R				U	780	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE	U	470	UG/KG	R				U	530	UG/KG	R				
ACETONE		2200	UG/KG	R					2700	UG/KG	R				
ACETONITRILE	U	1400	UG/KG	R				U	1600	UG/KG	R				
ACROLEIN	U	710	UG/KG	R				U	780	UG/KG	R				
ACRYLONITRILE	U	710	UG/KG	R				U	780	UG/KG	R				
ALLYL CHLORIDE	U	1400	UG/KG	R				U	1600	UG/KG	R				
BENZENE	U	71	UG/KG	R				U	78	UG/KG	R				
BROMODICHLOROMETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
BROMOFORM	U	71	UG/KG	R				U	78	UG/KG	R				
BROMOMETHANE	U	140	UG/KG	R				U	160	UG/KG	R				
CARBON DISULFIDE	U	71	UG/KG	R				U	78	UG/KG	R				
CARBON TETRACHLORIDE	U	71	UG/KG	R				U	78	UG/KG	R				

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Well/Boring:	05-07				05-07				05-08				05-08			
Sample ID:	100216				100216DL				100217				100217DL			
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-DIBROMOETHANE					U	64	UG/KG	R	U	69	UG/KG	R				
1,2-DICHLOROETHANE					U	64	UG/KG	R	U	69	UG/KG	R				
1,2-DICHLOROETHENE					U	64	UG/KG	R	U	69	UG/KG	R				
1,2-DICHLOROPROPANE					U	64	UG/KG	R	U	69	UG/KG	R				
1,3-DICHLOROPROPENE					U	64	UG/KG	R	U	69	UG/KG	R				
1,4-DICHLORO-2-BUTENE					U	64	UG/KG	R	U	69	UG/KG	R				
1,4-DIOXANE					U	1900	UG/KG	R	U	2100	UG/KG	R				
2-BUTANONE					U	1300	UG/KG	R	J	120	UG/KG	R				
2-CHLOROETHYL VINYL ETHER					U	130	UG/KG	R	U	140	UG/KG	R				
2-HEXANONE					U	640	UG/KG	R	U	690	UG/KG	R				
4-METHYL-2-PENTANONE					U	640	UG/KG	R	J	10	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE					U	430	UG/KG	R	U	470	UG/KG	R				
ACETONE						2200	UG/KG	R	J	1700	UG/KG	R				
ACETONITRILE					U	1300	UG/KG	R	U	1400	UG/KG	R				
ACROLEIN					U	640	UG/KG	R	U	690	UG/KG	R				
ACRYLONITRILE					U	640	UG/KG	R	U	690	UG/KG	R				
ALLYL CHLORIDE					U	1300	UG/KG	R	U	1400	UG/KG	R				
BENZENE					U	64	UG/KG	R	U	69	UG/KG	R				
BROMODICHLOROMETHANE					U	64	UG/KG	R	U	69	UG/KG	R				
BROMOFORM					U	64	UG/KG	R	U	69	UG/KG	R				
BROMOMETHANE					U	130	UG/KG	R	U	140	UG/KG	R				
CARBON DISULFIDE					U	64	UG/KG	R	U	69	UG/KG	R				
CARBON TETRACHLORIDE					U	64	UG/KG	R	U	69	UG/KG	R				

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Well/Boring:	05-08				05-08				05-04				05-04		
Sample ID:	100218				100218DL				100219				100219DL		
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-DIBROMOETHANE	U	68	UG/KG	R					U	86	UG/KG	R				
1,2-DICHLOROETHANE	U	68	UG/KG	R					U	86	UG/KG	R				
1,2-DICHLOROETHENE	U	68	UG/KG	R					U	86	UG/KG	R				
1,2-DICHLOROPROPANE	U	68	UG/KG	R					U	86	UG/KG	R				
1,3-DICHLOROPROPENE	U	68	UG/KG	R					U	86	UG/KG	R				
1,4-DICHLORO-2-BUTENE	U	68	UG/KG	R					U	86	UG/KG	R				
1,4-DIOXANE	U	2000	UG/KG	R					U	2600	UG/KG	R				
2-BUTANONE	J	91	UG/KG	R					J	340	UG/KG	R				
2-CHLOROETHYL VINYL ETHER	U	140	UG/KG	R					U	170	UG/KG	R				
2-HEXANONE	U	680	UG/KG	R					J	37	UG/KG	R				
4-METHYL-2-PENTANONE	U	680	UG/KG	R					U	860	UG/KG	R				
A,A-DIMETHYLPHENETHYLAMINE	U	460	UG/KG	R					U	570	UG/KG	R				
ACETONE	J	1200	UG/KG	R						2500	UG/KG	R				
ACETONITRILE	U	1400	UG/KG	R					U	1700	UG/KG	R				
ACROLEIN	U	680	UG/KG	R					U	860	UG/KG	R				
ACRYLONITRILE	U	680	UG/KG	R					U	860	UG/KG	R				
ALLYL CHLORIDE	U	1400	UG/KG	R					U	1700	UG/KG	R				
BENZENE	U	68	UG/KG	R					U	86	UG/KG	R				
BROMODICHLOROMETHANE	U	68	UG/KG	R					U	86	UG/KG	R				
BROMOFORM	U	68	UG/KG	R					U	86	UG/KG	R				
BROMOMETHANE	U	140	UG/KG	R					U	170	UG/KG	R				
CARBON DISULFIDE	U	68	UG/KG	R					U	86	UG/KG	R				
CARBON TETRACHLORIDE	U	68	UG/KG	R					U	86	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-01				05-01				05-02				05-02		
Sample ID:	100210				100210DL				100211				100211DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	15.0				15.0				18.0				18.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
CHLOROBENZENE	U	160	UG/KG	R							140	UG/KG	R		
CHLOROETHANE	U	310	UG/KG	R							280	UG/KG	R		
CHLOROFORM	U	160	UG/KG	R							140	UG/KG	R		
CHLOROMETHANE	U	310	UG/KG	R							280	UG/KG	R		
CHLOROPRENE	U	160	UG/KG	R							140	UG/KG	R		
DIBROMOCHLOROMETHANE	U	160	UG/KG	R							140	UG/KG	R		
DIBROMOMETHANE	U	160	UG/KG	R							140	UG/KG	R		
DICHLORODIFLUOROMETHANE															
ETHYL METHACRYLATE	U	160	UG/KG	R							140	UG/KG	R		
ETHYLBENZENE	U	160	UG/KG	R							140	UG/KG	R		
IODOMETHANE	U	160	UG/KG	R						U	140	UG/KG	R		
ISOBUTYL ALCOHOL	U	1600	UG/KG	R							1400	UG/KG	R		
METHACRYLONITRILE	U	160	UG/KG	R							140	UG/KG	R		
METHYL METHACRYLATE	U	160	UG/KG	R							140	UG/KG	R		
METHYLENE CHLORIDE	J	28	UG/KG	R							140	UG/KG	R		
PROPIONITRILE	U	160	UG/KG	R							140	UG/KG	R		
STYRENE	U	160	UG/KG	R							140	UG/KG	R		
TETRACHLOROETHENE	U	160	UG/KG	R							140	UG/KG	R		
TOLUENE	U	160	UG/KG	R							140	UG/KG	R		
TOTAL PETROLEUM HYDROCARBON		100	MG/KG	R							272	MG/KG	R		
TOTAL XYLENE	U	160	UG/KG	R							140	UG/KG	R		
TRICHLOROETHENE	U	160	UG/KG	R							140	UG/KG	R		
TRICHLOROFLUOROMETHANE	U	160	UG/KG	R							140	UG/KG	R		

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-03				05-03				05-04				05-04		
Sample ID:	100212				100212DL				100213				100213DL		
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	18.0				18.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE	U	89	UG/KG	R					U	89	UG/KG	R				
CHLOROETHANE	U	180	UG/KG	R					U	180	UG/KG	R				
CHLOROFORM	U	89	UG/KG	R					U	89	UG/KG	R				
CHLOROMETHANE	U	180	UG/KG	R					U	180	UG/KG	R				
CHLOROPRENE	U	89	UG/KG	R					U	89	UG/KG	R				
DIBROMOCHLOROMETHANE	U	89	UG/KG	R					U	89	UG/KG	R				
DIBROMOMETHANE	U	89	UG/KG	R					U	89	UG/KG	R				
DICHLORODIFLUOROMETHANE																
ETHYL METHACRYLATE	U	89	UG/KG	R					U	89	UG/KG	R				
ETHYLBENZENE	J	15	UG/KG	R					U	89	UG/KG	R				
IODOMETHANE	U	89	UG/KG	R					U	89	UG/KG	R				
ISOBUTYL ALCOHOL	U	890	UG/KG	R					U	890	UG/KG	R				
METHACRYLONITRILE	U	89	UG/KG	R					U	89	UG/KG	R				
METHYL METHACRYLATE	U	89	UG/KG	R					U	89	UG/KG	R				
METHYLENE CHLORIDE	U	89	UG/KG	R					U	89	UG/KG	R				
PROPIONITRILE		260	UG/KG	R					U	89	UG/KG	R				
STYRENE	U	89	UG/KG	R					U	89	UG/KG	R				
TETRACHLOROETHENE	J	39	UG/KG	R					J	20	UG/KG	R				
TOLUENE	J	68	UG/KG	R					J	15	UG/KG	R				
TOTAL PETROLEUM HYDROCARBON		1440	MG/KG	R						1160	MG/KG	R				
TOTAL XYLENE	J	88	UG/KG	R					J	69	UG/KG	R				
TRICHLOROETHENE	U	89	UG/KG	R					U	89	UG/KG	R				
TRICHLOROFLUOROMETHANE	U	89	UG/KG	R					U	89	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-05				05-05				05-06				05-06		
Sample ID:	100214				100214DL				100215				100215DL		
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	8.0				8.0				8.0				8.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
CHLOROBENZENE	U	71	UG/KG	R				U	78	UG/KG	R				
CHLOROETHANE	U	140	UG/KG	R				U	160	UG/KG	R				
CHLOROFORM	U	71	UG/KG	R				U	78	UG/KG	R				
CHLOROMETHANE	U	140	UG/KG	R				U	160	UG/KG	R				
CHLOROPRENE	U	71	UG/KG	R				U	78	UG/KG	R				
DIBROMOCHLOROMETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
DIBROMOMETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
DICHLORODIFLUOROMETHANE															
ETHYL METHACRYLATE	U	71	UG/KG	R				U	78	UG/KG	R				
ETHYLBENZENE	U	71	UG/KG	R				U	78	UG/KG	R				
IODOMETHANE	U	71	UG/KG	R				U	78	UG/KG	R				
ISOBUTYL ALCOHOL	U	710	UG/KG	R				U	780	UG/KG	R				
METHACRYLONITRILE	U	71	UG/KG	R				U	78	UG/KG	R				
METHYL METHACRYLATE	U	71	UG/KG	R				U	78	UG/KG	R				
METHYLENE CHLORIDE	U	71	UG/KG	R				U	78	UG/KG	R				
PROPIONITRILE	U	71	UG/KG	R				U	78	UG/KG	R				
STYRENE	U	71	UG/KG	R				U	78	UG/KG	R				
TETRACHLOROETHENE	U	71	UG/KG	R				U	78	UG/KG	R				
TOLUENE	J	29	UG/KG	R				J	53	UG/KG	R				
TOTAL PETROLEUM HYDROCARBON		528	MG/KG	R					61	MG/KG	R				
TOTAL XYLENE	J	59	UG/KG	R				J	36	UG/KG	R				
TRICHLOROETHENE	U	71	UG/KG	R				U	78	UG/KG	R				
TRICHLOROFLUOROMETHANE	U	71	UG/KG	R				U	78	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-07				05-07				05-08				05-08			
Sample ID:	100216				100216DL				100217				100217DL			
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE					U	64	UG/KG	R	U	69	UG/KG	R				
CHLOROETHANE					U	130	UG/KG	R	U	140	UG/KG	R				
CHLOROFORM					U	64	UG/KG	R	U	69	UG/KG	R				
CHLOROMETHANE					U	130	UG/KG	R	U	140	UG/KG	R				
CHLOROPRENE					U	64	UG/KG	R	U	69	UG/KG	R				
DIBROMOCHLOROMETHANE					U	64	UG/KG	R	U	69	UG/KG	R				
DIBROMOMETHANE					U	64	UG/KG	R	U	69	UG/KG	R				
DICHLORODIFLUOROMETHANE																
ETHYL METHACRYLATE					U	64	UG/KG	R	U	69	UG/KG	R				
ETHYLBENZENE					U	64	UG/KG	R	U	69	UG/KG	R				
IODOMETHANE					U	64	UG/KG	R	U	69	UG/KG	R				
ISOBUTYL ALCOHOL					U	640	UG/KG	R	U	690	UG/KG	R				
METHACRYLONITRILE					U	64	UG/KG	R	U	69	UG/KG	R				
METHYL METHACRYLATE					U	64	UG/KG	R	U	69	UG/KG	R				
METHYLENE CHLORIDE					U	64	UG/KG	R	J	12	UG/KG	R				
PROPIONITRILE					U	64	UG/KG	R	U	69	UG/KG	R				
STYRENE					U	64	UG/KG	R		69	UG/KG	R				
TETRACHLOROETHENE					U	64	UG/KG	R	U	69	UG/KG	R				
TOLUENE					U	64	UG/KG	R	J	18	UG/KG	R				
TOTAL PETROLEUM HYDROCARBON						303	MG/KG	R		369	MG/KG	R				
TOTAL XYLENE					U	64	UG/KG	R	J	34	UG/KG	R				
TRICHLOROETHENE					U	64	UG/KG	R	U	69	UG/KG	R				
TRICHLOROFLUOROMETHANE					U	64	UG/KG	R	U	69	UG/KG	R				

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Pit Material Organic Results

Well/Boring:	05-08				05-08				05-04				05-04		
Sample ID:	100218				100218DL				100219				100219DL		
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				16.0				16.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
CHLOROBENZENE		68	UG/KG	R				U	86	UG/KG	R				
CHLOROETHANE	U	140	UG/KG	R				U	170	UG/KG	R				
CHLOROFORM	U	68	UG/KG	R				U	86	UG/KG	R				
CHLOROMETHANE	U	140	UG/KG	R				U	170	UG/KG	R				
CHLOROPRENE	U	68	UG/KG	R				U	86	UG/KG	R				
DIBROMOCHLOROMETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
DIBROMOMETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
DICHLORODIFLUOROMETHANE															
ETHYL METHACRYLATE	U	68	UG/KG	R				U	86	UG/KG	R				
ETHYLBENZENE	U	68	UG/KG	R				U	86	UG/KG	R				
IODOMETHANE	U	68	UG/KG	R				U	86	UG/KG	R				
ISOBUTYL ALCOHOL	U	680	UG/KG	R				U	860	UG/KG	R				
METHACRYLONITRILE	U	68	UG/KG	R				U	86	UG/KG	R				
METHYL METHACRYLATE	U	68	UG/KG	R				U	86	UG/KG	R				
METHYLENE CHLORIDE	U	68	UG/KG	R				U	86	UG/KG	R				
PROPIONITRILE	U	68	UG/KG	R				U	86	UG/KG	R				
STYRENE	U	68	UG/KG	R				U	86	UG/KG	R				
TETRACHLOROETHENE	U	68	UG/KG	R				J	14	UG/KG	R				
TOLUENE	J	12	UG/KG	R				J	43	UG/KG	R				
TOTAL PETROLEUM HYDROCARBON		463	MG/KG	R					1240	MG/KG	R				
TOTAL XYLENE	J	54	UG/KG	R				J	51	UG/KG	R				
TRICHLOROETHENE	U	68	UG/KG	R				U	86	UG/KG	R				
TRICHLOROFLUOROMETHANE	U	68	UG/KG	R				U	86	UG/KG	R				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-01				05-01				05-02				05-02			
Sample ID:	100210				100210DL				100211				100211DL			
Sample Date:	04/28/92				04/28/92				04/29/92				04/29/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	15.0				15.0				18.0				18.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
VINYL ACETATE	U	1600	UG/KG	R										1400	UG/KG	R
VINYL CHLORIDE	U	310	UG/KG	R										280	UG/KG	R
4,4-DDD					U	0.088	UG/L	R	Y				U	0.080	UG/L	R Y
4,4-DDE					U	0.088	UG/L	R	Y				U	0.080	UG/L	R Y
4,4-DDT					U	0.088	UG/L	R	Y				U	0.080	UG/L	R Y
ALDRIN					U	0.044	UG/L	R	Y				U	0.040	UG/L	R Y
ALPHA-BHC					U	0.044	UG/L	R	Y				U	0.040	UG/L	R Y
ALPHA-CHLORDANE					U	0.044	UG/L	R	Y				U	0.040	UG/L	R Y
AROCLOR 1016					U	1.1	UG/L	R	Y				U	1.0	UG/L	R Y
AROCLOR 1221					U	1.1	UG/L	R	Y				U	1.0	UG/L	R Y
AROCLOR 1232					U	1.1	UG/L	R	Y				U	1.0	UG/L	R Y
AROCLOR 1242					U	1.1	UG/L	R	Y				U	1.0	UG/L	R Y
AROCLOR 1248					U	1.1	UG/L	R	Y				U	1.0	UG/L	R Y
AROCLOR 1254					U	1.1	UG/L	R	Y				U	1.0	UG/L	R Y
AROCLOR 1260					U	1.1	UG/L	R	Y				U	1.0	UG/L	R Y
BETA-BHC					U	0.044	UG/L	R	Y				U	0.040	UG/L	R Y
DELTA-BHC					U	0.044	UG/L	R	Y				U	0.040	UG/L	R Y
DIELDRIN					U	0.088	UG/L	R	Y				U	0.080	UG/L	R Y
ENDOSULFAN I					U	0.044	UG/L	R	Y				U	0.040	UG/L	R Y
ENDOSULFAN II					U	0.088	UG/L	R	Y				U	0.080	UG/L	R Y
ENDOSULFAN SULFATE					U	0.088	UG/L	R	Y				U	0.080	UG/L	R Y
ENDRIN					U	0.088	UG/L	R	Y				U	0.080	UG/L	R Y
ENDRIN ALDEHYDE					U	0.088	UG/L	R	Y				U	0.080	UG/L	R Y

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-03				05-03				05-04				05-04			
Sample ID:	100212				100212DL				100213				100213DL			
Sample Date:	04/28/92				04/28/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	18.0				18.0				16.0				16.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
VINYL ACETATE	U	890	UG/KG	R					U	890	UG/KG	R				
VINYL CHLORIDE	U	180	UG/KG	R					U	180	UG/KG	R				
4,4-DDD					U	0.089	UG/L	R Y					U	0.099	UG/L	R Y
4,4-DDE					U	0.089	UG/L	R Y					U	0.099	UG/L	R Y
4,4-DDT					U	0.089	UG/L	R Y					U	0.099	UG/L	R Y
ALDRIN					U	0.044	UG/L	R Y					U	0.050	UG/L	R Y
ALPHA-BHC					U	0.044	UG/L	R Y					U	0.050	UG/L	R Y
ALPHA-CHLORDANE					U	0.044	UG/L	R Y					U	0.050	UG/L	R Y
AROCLOR 1016					U	1.1	UG/L	R Y					U	1.2	UG/L	R Y
AROCLOR 1221					U	1.1	UG/L	R Y					U	1.2	UG/L	R Y
AROCLOR 1232					U	1.1	UG/L	R Y					U	1.2	UG/L	R Y
AROCLOR 1242					U	1.1	UG/L	R Y					U	1.2	UG/L	R Y
AROCLOR 1248					U	1.1	UG/L	R Y					U	1.2	UG/L	R Y
AROCLOR 1254					U	1.1	UG/L	R Y					U	1.2	UG/L	R Y
AROCLOR 1260					U	1.1	UG/L	R Y					U	1.2	UG/L	R Y
BETA-BHC					U	0.044	UG/L	R Y					U	0.050	UG/L	R Y
DELTA-BHC					U	0.044	UG/L	R Y					U	0.050	UG/L	R Y
DIELDRIN					U	0.089	UG/L	R Y					U	0.099	UG/L	R Y
ENDOSULFAN I					U	0.044	UG/L	R Y					U	0.050	UG/L	R Y
ENDOSULFAN II					U	0.089	UG/L	R Y					U	0.099	UG/L	R Y
ENDOSULFAN SULFATE					U	0.089	UG/L	R Y					U	0.099	UG/L	R Y
ENDRIN					U	0.089	UG/L	R Y					U	0.099	UG/L	R Y
ENDRIN ALDEHYDE					U	0.089	UG/L	R Y					U	0.099	UG/L	R Y

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= Detected
NV = Not Validated
R = Rejected
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See Introduction to Appendices for additional explanation.

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1992 RI/FS - Pit 5
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-05					05-05					05-06					05-06			
Sample ID:		100214					100214DL					100215					100215DL			
Sample Date:		04/28/92					04/28/92					04/29/92					04/29/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		8.0					8.0					8.0					8.0			
VINYL ACETATE	U	710	UG/KG	R							U	780	UG/KG	R						
VINYL CHLORIDE	U	140	UG/KG	R							U	160	UG/KG	R						
4,4-DDD						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y
4,4-DDE						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y
4,4-DDT						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y
ALDRIN						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
ALPHA-BHC						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
ALPHA-CHLORDANE						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
AROCLOR 1016						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1221						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1232						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1242						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1248						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1254						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1260						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
BETA-BHC						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
DELTA-BHC						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
DIELDRIN						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y
ENDOSULFAN I						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
ENDOSULFAN II						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y
ENDOSULFAN SULFATE						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y
ENDRIN						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y
ENDRIN ALDEHYDE						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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Pit Material Organic Results

Well/Boring:	05-07	05-07	05-08	05-08
Sample ID:	100216	100216DL	100217	100217DL
Sample Date:	04/29/92	04/29/92	04/28/92	04/28/92
Top Depth (ft):	N/A	N/A	N/A	N/A
Bottom Depth (ft):	6.0	6.0	6.0	6.0

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VINYL ACETATE						U	640	UG/KG	R		U	690	UG/KG	R						
VINYL CHLORIDE						U	130	UG/KG	R		U	140	UG/KG	R						
4,4-DDD						U	0.094	UG/L	R	Y						U	0.095	UG/L	R	Y
4,4-DDE						U	0.094	UG/L	R	Y						U	0.095	UG/L	R	Y
4,4-DDT						U	0.094	UG/L	R	Y						U	0.095	UG/L	R	Y
ALDRIN						U	0.047	UG/L	R	Y						U	0.048	UG/L	R	Y
ALPHA-BHC						U	0.047	UG/L	R	Y						U	0.048	UG/L	R	Y
ALPHA-CHLORDANE						U	0.047	UG/L	R	Y						U	0.048	UG/L	R	Y
AROCLOR 1016						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1221						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1232						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1242						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1248						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1254						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
AROCLOR 1260						U	1.2	UG/L	R	Y						U	1.2	UG/L	R	Y
BETA-BHC						U	0.047	UG/L	R	Y						U	0.048	UG/L	R	Y
DELTA-BHC						U	0.047	UG/L	R	Y						U	0.048	UG/L	R	Y
DIELDRIN						U	0.094	UG/L	R	Y						U	0.095	UG/L	R	Y
ENDOSULFAN I						U	0.047	UG/L	R	Y						U	0.048	UG/L	R	Y
ENDOSULFAN II						U	0.094	UG/L	R	Y						U	0.095	UG/L	R	Y
ENDOSULFAN SULFATE						U	0.094	UG/L	R	Y						U	0.095	UG/L	R	Y
ENDRIN						U	0.094	UG/L	R	Y						U	0.095	UG/L	R	Y
ENDRIN ALDEHYDE						U	0.094	UG/L	R	Y						U	0.095	UG/L	R	Y

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Submittal Date: 08-Feb-94
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1992 RI/FS - Pit 5
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:	05-08					05-08					05-04					05-04				
Sample ID:	100218					100218DL					100219					100219DL				
Sample Date:	04/29/92					04/29/92					04/28/92					04/28/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					16.0					16.0				
VINYL ACETATE	U	680	UG/KG	R							U	860	UG/KG	R						
VINYL CHLORIDE	U	140	UG/KG	R							U	170	UG/KG	R						
4,4-DDD						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y
4,4-DDE						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y
4,4-DDT						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y
ALDRIN						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
ALPHA-BHC						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
ALPHA-CHLORDANE						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
AROCLOR 1016						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1221						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1232						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1242						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1248						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1254						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1260						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
BETA-BHC						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
DELTA-BHC						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
DIELDRIN						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y
ENDOSULFAN I						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
ENDOSULFAN II						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y
ENDOSULFAN SULFATE						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y
ENDRIN						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y
ENDRIN ALDEHYDE						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-01					05-01					05-02					05-02			
Sample ID:		100210					100210DL					100211					100211DL			
Sample Date:		04/28/92					04/28/92					04/29/92					04/29/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		15.0					15.0					18.0					18.0			
ENDRIN KETONE						U	0.088	UG/L	R	Y						U	0.080	UG/L	R	Y
GAMMA-BHC(Lindane)						U	0.044	UG/L	R	Y						U	0.040	UG/L	R	Y
GAMMA-CHLORDANE						U	0.044	UG/L	R	Y						U	0.040	UG/L	R	Y
HEPTACHLOR						U	0.044	UG/L	R	Y						U	0.040	UG/L	R	Y
HEPTACHLOR EPOXIDE						U	0.044	UG/L	R	Y						U	0.040	UG/L	R	Y
METHOXYCHLOR						U	0.44	UG/L	R	Y						U	0.40	UG/L	R	Y
TOXAPHENE						U	4.4	UG/L	R	Y						U	4.0	UG/L	R	Y
1,2,4-TRICHLOROBENZENE	U	10	UG/L	R	Y															
1,2-DICHLOROBENZENE	U	10	UG/L	R	Y															
1,3-DICHLOROBENZENE	U	10	UG/L	R	Y															
1,4-DICHLOROBENZENE	U	10	UG/L	R	Y															
2,4,5-TRICHLOROPHENOL	U	50	UG/L	R	Y															
2,4,6-TRICHLOROPHENOL	U	10	UG/L	R	Y															
2,4-DICHLOROPHENOL	U	10	UG/L	R	Y															
2,4-DIMETHYLPHENOL	U	10	UG/L	R	Y															
2,4-DINITROPHENOL	U	50	UG/L	R	Y															
2,4-DINITROTOLUENE	U	10	UG/L	R	Y															
2,6-DINITROTOLUENE	U	10	UG/L	R	Y															
2-CHLORONAPHTHALENE	U	10	UG/L	R	Y															
2-CHLOROPHENOL	U	10	UG/L	R	Y															
2-METHYLNAPHTHALENE	U	10	UG/L	R	Y															
2-METHYLPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-NITROANILINE	U	50	UG/L	R	Y															

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Pit Material Organic Results

Well/Boring:	05-03					05-03					05-04					05-04			
Sample ID:	100212					100212DL					100213					100213DL			
Sample Date:	04/28/92					04/28/92					04/28/92					04/28/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	18.0					18.0					16.0					16.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
ENDRIN KETONE						U	0.089	UG/L	R	Y						U	0.099	UG/L	R	Y
GAMMA-BHC(Lindane)						U	0.047	UG/L	R	Y						U	0.050	UG/L	R	Y
GAMMA-CHLORDANE						U	0.044	UG/L	R	Y						U	0.050	UG/L	R	Y
HEPTACHLOR						U	0.044	UG/L	R	Y						U	0.050	UG/L	R	Y
HEPTACHLOR EPOXIDE						U	0.044	UG/L	R	Y						U	0.050	UG/L	R	Y
METHOXYCHLOR						U	0.44	UG/L	R	Y						U	0.50	UG/L	R	Y
TOXAPHENE						U	4.4	UG/L	R	Y						U	5.0	UG/L	R	Y
1,2,4-TRICHLOROBENZENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
1,2-DICHLOROBENZENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
1,3-DICHLOROBENZENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
1,4-DICHLOROBENZENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2,4,5-TRICHLOROPHENOL	U	52	UG/L	R	Y						U	46	UG/L	R	Y					
2,4,6-TRICHLOROPHENOL	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2,4-DICHLOROPHENOL	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2,4-DIMETHYLPHENOL	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2,4-DINITROPHENOL	U	52	UG/L	R	Y						U	46	UG/L	R	Y					
2,4-DINITROTOLUENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2,6-DINITROTOLUENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2-CHLORONAPHTHALENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2-CHLOROPHENOL	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2-METHYLNAPHTHALENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2-METHYLPHENOL	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
2-NITROANILINE	U	52	UG/L	R	Y						U	46	UG/L	R	Y					

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Pit Material Organic Results

Well/Boring:	05-05	05-05	05-06	05-06
Sample ID:	100214	100214DL	100215	100215DL
Sample Date:	04/28/92	04/28/92	04/29/92	04/29/92
Top Depth (ft):	N/A	N/A	N/A	N/A
Bottom Depth (ft):	8.0	8.0	8.0	8.0

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
ENDRIN KETONE						U	0.098	UG/L	R	Y						U	0.096	UG/L	R	Y
GAMMA-BHC(Lindane)						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
GAMMA-CHLORDANE						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
HEPTACHLOR						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
HEPTACHLOR EPOXIDE						U	0.049	UG/L	R	Y						U	0.048	UG/L	R	Y
METHOXYCHLOR						U	0.49	UG/L	R	Y						U	0.48	UG/L	R	Y
TOXAPHENE						U	4.9	UG/L	R	Y						U	4.8	UG/L	R	Y
1,2,4-TRICHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
1,2-DICHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
1,3-DICHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
1,4-DICHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,4,5-TRICHLOROPHENOL	U	52	UG/L	R	Y						U	48	UG/L	R	Y					
2,4,6-TRICHLOROPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,4-DICHLOROPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,4-DIMETHYLPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,4-DINITROPHENOL	U	52	UG/L	R	Y						U	48	UG/L	R	Y					
2,4-DINITROTOLUENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,6-DINITROTOLUENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-CHLORONAPHTHALENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-CHLOROPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-METHYLNAPHTHALENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-METHYLPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-NITROANILINE	U	52	UG/L	R	Y						U	48	UG/L	R	Y					

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J = Estimated
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R = Rejected
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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-07				05-07				05-08				05-08			
Sample ID:	100216				100216DL				100217				100217DL			
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ENDRIN KETONE					U	0.094	UG/L	R Y					U	0.095	UG/L	R Y
GAMMA-BHC(Lindane)					U	0.047	UG/L	R Y					U	0.048	UG/L	R Y
GAMMA-CHLORDANE					U	0.047	UG/L	R Y					U	0.048	UG/L	R Y
HEPTACHLOR					U	0.047	UG/L	R Y					U	0.048	UG/L	R Y
HEPTACHLOR EPOXIDE					U	0.047	UG/L	R Y					U	0.048	UG/L	R Y
METHOXYCHLOR					U	0.47	UG/L	R Y					U	0.48	UG/L	R Y
TOXAPHENE					U	4.7	UG/L	R Y					U	4.8	UG/L	R Y
1,2,4-TRICHLOROBENZENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
1,2-DICHLOROBENZENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
1,3-DICHLOROBENZENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
1,4-DICHLOROBENZENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
2,4,5-TRICHLOROPHENOL					U	49	UG/L	R Y	U	50	UG/L	R Y				
2,4,6-TRICHLOROPHENOL					U	10	UG/L	R Y	U	10	UG/L	R Y				
2,4-DICHLOROPHENOL					U	10	UG/L	R Y	U	10	UG/L	R Y				
2,4-DIMETHYLPHENOL					U	10	UG/L	R Y	U	10	UG/L	R Y				
2,4-DINITROPHENOL					U	49	UG/L	R Y	U	50	UG/L	R Y				
2,4-DINITROTOLUENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
2,6-DINITROTOLUENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
2-CHLORONAPHTHALENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
2-CHLOROPHENOL					U	10	UG/L	R Y	U	10	UG/L	R Y				
2-METHYLNAPHTHALENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
2-METHYLPHENOL					U	10	UG/L	R Y	U	10	UG/L	R Y				
2-NITROANILINE					U	49	UG/L	R Y	U	50	UG/L	R Y				

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Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-08					05-08					05-04					05-04			
Sample ID:		100218					100218DL					100219					100219DL			
Sample Date:		04/29/92					04/29/92					04/28/92					04/28/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					16.0					16.0			
ENDRIN KETONE						U	0.090	UG/L	R	Y						U	0.092	UG/L	R	Y
GAMMA-BHC(Lindane)						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
GAMMA-CHLORDANE						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
HEPTACHLOR						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
HEPTACHLOR EPOXIDE						U	0.045	UG/L	R	Y						U	0.046	UG/L	R	Y
METHOXYCHLOR						U	0.45	UG/L	R	Y						U	0.46	UG/L	R	Y
TOXAPHENE						U	4.5	UG/L	R	Y						U	4.6	UG/L	R	Y
1,2,4-TRICHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
1,2-DICHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
1,3-DICHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
1,4-DICHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,4,5-TRICHLOROPHENOL	U	51	UG/L	R	Y						U	51	UG/L	R	Y					
2,4,6-TRICHLOROPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,4-DICHLOROPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,4-DIMETHYLPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,4-DINITROPHENOL	U	51	UG/L	R	Y						U	51	UG/L	R	Y					
2,4-DINITROTOLUENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2,6-DINITROTOLUENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-CHLORONAPHTHALENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-CHLOROPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-METHYLNAPHTHALENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-METHYLPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
2-NITROANILINE	U	51	UG/L	R	Y						U	51	UG/L	R	Y					

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Well/Boring:	05-01					05-01					05-02					05-02		
Sample ID:	100210					100210DL					100211					100211DL		
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92		
Top Depth (ft):	N/A					N/A					N/A					N/A		
Bottom Depth (ft):	15.0					15.0					18.0					18.0		
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
2-NITROPHENOL	U	10	UG/L	R	Y												
3,3-DICHLOROBENZIDINE	U	20	UG/L	R	Y												
3-NITROANILINE	U	50	UG/L	R	Y												
4,6-DINITRO-2-METHYLPHENOL	U	50	UG/L	R	Y												
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	R	Y												
4-CHLORO-3-METHYLPHENOL	U	20	UG/L	R	Y												
4-CHLOROANILINE	U	20	UG/L	R	Y												
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	R	Y												
4-METHYLPHENOL	U	10	UG/L	R	Y												
4-NITROANILINE	U	50	UG/L	R	Y												
4-NITROPHENOL	U	50	UG/L	R	Y												
ACENAPHTHENE	U	10	UG/L	R	Y					10	UG/L	R	Y				
ACENAPHTHYLENE	U	10	UG/L	R	Y												
ANTHRACENE	U	10	UG/L	R	Y												
BENZO(A)ANTHRACENE	U	10	UG/L	R	Y												
BENZO(A)PYRENE	U	10	UG/L	R	Y												
BENZO(B)FLUORANTHENE	U	10	UG/L	R	Y												
BENZO(G,H,I)PERYLENE	U	10	UG/L	R	Y												
BENZO(K)FLUORANTHENE	U	10	UG/L	R	Y												
BENZYL ALCOHOL	U	20	UG/L	R	Y												
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	R	Y												
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	R	Y												
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	R	Y												

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Well/Boring:	05-03					05-03					05-04					05-04			
Sample ID:	100212					100212DL					100213					100213DL			
Sample Date:	04/28/92					04/28/92					04/28/92					04/28/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	18.0					18.0					16.0					16.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
2-NITROPHENOL	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
3,3-DICHLOROBENZIDINE	U	21	UG/L	R	Y						U	18	UG/L	R	Y					
3-NITROANILINE	U	52	UG/L	R	Y						U	46	UG/L	R	Y					
4,6-DINITRO-2-METHYLPHENOL	U	52	UG/L	R	Y						U	46	UG/L	R	Y					
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
4-CHLORO-3-METHYLPHENOL	U	21	UG/L	R	Y						U	18	UG/L	R	Y					
4-CHLOROANILINE	U	21	UG/L	R	Y						U	18	UG/L	R	Y					
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
4-METHYLPHENOL	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
4-NITROANILINE	U	52	UG/L	R	Y						U	46	UG/L	R	Y					
4-NITROPHENOL	U	52	UG/L	R	Y						U	46	UG/L	R	Y					
ACENAPHTHENE	U	10	UG/L	R	Y															
ACENAPHTHYLENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
ANTHRACENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
BENZO(A)ANTHRACENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
BENZO(A)PYRENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
BENZO(B)FLUORANTHENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
BENZO(G,H,I)PERYLENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
BENZO(K)FLUORANTHENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
BENZYL ALCOHOL	U	21	UG/L	R	Y						U	18	UG/L	R	Y					
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	R	Y						U	9	UG/L	R	Y					

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Well/Boring:	05-05					05-05					05-06					05-06			
Sample ID:	100214					100214DL					100215					100215DL			
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	8.0					8.0					8.0					8.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
2-NITROPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
3,3-DICHLOROBENZIDINE	U	21	UG/L	R	Y						U	19	UG/L	R	Y					
3-NITROANILINE	U	52	UG/L	R	Y						U	48	UG/L	R	Y					
4,6-DINITRO-2-METHYLPHENOL	U	52	UG/L	R	Y						U	48	UG/L	R	Y					
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
4-CHLORO-3-METHYLPHENOL	U	21	UG/L	R	Y						U	19	UG/L	R	Y					
4-CHLOROANILINE	U	21	UG/L	R	Y						U	19	UG/L	R	Y					
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
4-METHYLPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
4-NITROANILINE	U	52	UG/L	R	Y						U	48	UG/L	R	Y					
4-NITROPHENOL	U	52	UG/L	R	Y						U	48	UG/L	R	Y					
ACENAPHTHENE																				
ACENAPHTHYLENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
ANTHRACENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(A)ANTHRACENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(A)PYRENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(B)FLUORANTHENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(G,H,I)PERYLENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(K)FLUORANTHENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZYL ALCOHOL	U	21	UG/L	R	Y						U	19	UG/L	R	Y					
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	R	Y						U	10	UG/L	R	Y					

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Well/Boring:	05-07					05-07					05-08					05-08			
Sample ID:	100216					100216DL					100217					100217DL			
Sample Date:	04/29/92					04/29/92					04/28/92					04/28/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	6.0					6.0					6.0					6.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
2-NITROPHENOL						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
3,3-DICHLOROBENZIDINE						U	20	UG/L	R	Y	U	20	UG/L	R	Y					
3-NITROANILINE						U	49	UG/L	R	Y	U	50	UG/L	R	Y					
4,6-DINITRO-2-METHYLPHENOL						U	49	UG/L	R	Y	U	50	UG/L	R	Y					
4-BROMOPHENYL PHENYL ETHER						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
4-CHLORO-3-METHYLPHENOL						U	20	UG/L	R	Y	U	20	UG/L	R	Y					
4-CHLOROANILINE						U	20	UG/L	R	Y	U	20	UG/L	R	Y					
4-CHLOROPHENOL PHENYL ETHER						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
4-METHYLPHENOL						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
4-NITROANILINE						U	49	UG/L	R	Y	U	50	UG/L	R	Y					
4-NITROPHENOL						U	49	UG/L	R	Y	U	50	UG/L	R	Y					
ACENAPHTHENE																				
ACENAPHTHYLENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
ANTHRACENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
BENZO(A)ANTHRACENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
BENZO(A)PYRENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
BENZO(B)FLUORANTHENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
BENZO(G,H,I)PERYLENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
BENZO(K)FLUORANTHENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
BENZYL ALCOHOL						U	20	UG/L	R	Y	U	20	UG/L	R	Y					
BIS(2-CHLOROETHOXY)METHANE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
BIS(2-CHLOROETHYL)ETHER						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
BIS(2-CHLOROISOPROPYL)ETHER						U	10	UG/L	R	Y	U	10	UG/L	R	Y					

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Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:	05-08					05-08					05-04					05-04				
Sample ID:	100218					100218DL					100219					100219DL				
Sample Date:	04/29/92					04/29/92					04/28/92					04/28/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					16.0					16.0				
2-NITROPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
3,3-DICHLOROBENZIDINE	U	20	UG/L	R	Y						U	20	UG/L	R	Y					
3-NITROANILINE	U	51	UG/L	R	Y						U	51	UG/L	R	Y					
4,6-DINITRO-2-METHYLPHENOL	U	51	UG/L	R	Y						U	51	UG/L	R	Y					
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
4-CHLORO-3-METHYLPHENOL	U	20	UG/L	R	Y						U	20	UG/L	R	Y					
4-CHLOROANILINE	U	20	UG/L	R	Y						U	20	UG/L	R	Y					
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
4-METHYLPHENOL	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
4-NITROANILINE	U	51	UG/L	R	Y						U	51	UG/L	R	Y					
4-NITROPHENOL	U	51	UG/L	R	Y						U	51	UG/L	R	Y					
ACENAPHTHENE											U	10	UG/L	R	Y					
ACENAPHTHYLENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
ANTHRACENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(A)ANTHRACENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(A)PYRENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(B)FLUORANTHENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(G,H,I)PERYLENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BENZO(K)FLUORANTHENE	U	10	UG/L	R	Y						U	20	UG/L	R	Y					
BENZYL ALCOHOL	U	20	UG/L	R	Y						U	10	UG/L	R	Y					
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	R	Y						U	10	UG/L	R	Y					

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Well/Boring:	05-01					05-01					05-02					05-02				
Sample ID:	100210					100210DL					100211					100211DL				
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	15.0					15.0					18.0					18.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	10	UG/L	R	Y															
BUTYL BENZYL PHTHALATE	U	10	UG/L	R	Y															
CARBAZOLE	U	10	UG/L	R	Y															
CHRYSENE	U	10	UG/L	R	Y															
DI-N-BUTYLPHTHALATE	U	10	UG/L	R	Y															
DI-N-OCTYLPHTHALATE	U	10	UG/L	R	Y															
DIBENZO(A,H)ANTHRACENE	U	10	UG/L	R	Y															
DIBENZOFURAN	U	10	UG/L	R	Y															
DIETHYL PHTHALATE	U	10	UG/L	R	Y															
DIMETHYL PHTHALATE	U	10	UG/L	R	Y															
FLUORANTHENE	U	10	UG/L	R	Y															
FLUORENE	U	10	UG/L	R	Y															
HEXACHLOROBENZENE	U	10	UG/L	R	Y															
HEXACHLOROBUTADIENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	R	Y															
HEXACHLOROETHANE	U	10	UG/L	R	Y															
INDENO(1,2,3-CD)PYRENE	U	10	UG/L	R	Y															
ISOPHORONE	U	10	UG/L	R	Y															
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	R	Y															
N-NITROSODIPHENYLAMINE	U	10	UG/L	R	Y															
NAPHTHALENE	U	10	UG/L	R	Y															
NITROBENZENE	U	10	UG/L	R	Y															
PENTACHLOROPHENOL	U	50	UG/L	R	Y															

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TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-03					05-03					05-04					05-04				
Sample ID:	100212					100212DL					100213					100213DL				
Sample Date:	04/28/92					04/28/92					04/28/92					04/28/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	18.0					18.0					16.0					16.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ
BIS(2-ETHYLHEXYL)PHTHALATE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
BUTYL BENZYL PHTHALATE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
CARBAZOLE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
CHRYSENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
DI-N-BUTYLPHTHALATE	U	10	UG/L	R	Y					U	36	UG/L	R	Y				
DI-N-OCTYLPHTHALATE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
DIBENZO(A,H)ANTHRACENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
DIBENZOFURAN	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
DIETHYL PHTHALATE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
DIMETHYL PHTHALATE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
FLUORANTHENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
FLUORENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
HEXACHLOROBENZENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
HEXACHLOROBUTADIENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
HEXACHLOROETHANE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
INDENO(1,2,3-CD)PYRENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
ISOPHORONE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
N-NITROSODIPHENYLAMINE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
NAPHTHALENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
NITROBENZENE	U	10	UG/L	R	Y					U	9	UG/L	R	Y				
PENTACHLOROPHENOL	U	52	UG/L	R	Y					U	46	UG/L	R	Y				

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Submittal Date: 08-Feb-94
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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-05					05-05					05-06					05-06				
Sample ID:	100214					100214DL					100215					100215DL				
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	8.0					8.0					8.0					8.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	J	9	UG/L	R	Y						U	10	UG/L	R	Y					
BUTYL BENZYL PHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CARBAZOLE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CHRYSENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DI-N-BUTYLPHTHALATE	U	21	UG/L	R	Y						U	10	UG/L	R	Y					
DI-N-OCTYLPHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIBENZO(A,H)ANTHRACENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIBENZOFURAN	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIETHYL PHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIMETHYL PHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
FLUORANTHENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
FLUORENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROBUTADIENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
INDENO(1,2,3-CD)PYRENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
ISOPHORONE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
N-NITROSODIPHENYLAMINE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
NAPHTHALENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
NITROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
PENTACHLOROPHENOL	U	52	UG/L	R	Y						U	48	UG/L	R	Y					

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-07				05-07				05-08				05-08			
Sample ID:	100216				100216DL				100217				100217DL			
Sample Date:	04/29/92				04/29/92				04/28/92				04/28/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE					U	10	UG/L	R Y	U	10	UG/L	R Y				
BUTYL BENZYL PHTHALATE					U	10	UG/L	R Y	U	10	UG/L	R Y				
CARBAZOLE					U	10	UG/L	R Y	U	10	UG/L	R Y				
CHRYSENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
DI-N-BUTYLPHTHALATE					U	10	UG/L	R Y	U	10	UG/L	R Y				
DI-N-OCTYLPHTHALATE					U	10	UG/L	R Y	U	10	UG/L	R Y				
DIBENZO(A,H)ANTHRACENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
DIBENZOFURAN					U	10	UG/L	R Y	U	10	UG/L	R Y				
DIETHYL PHTHALATE					U	10	UG/L	R Y	U	10	UG/L	R Y				
DIMETHYL PHTHALATE					U	10	UG/L	R Y	U	10	UG/L	R Y				
FLUORANTHENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
FLUORENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
HEXACHLOROBENZENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
HEXACHLOROBUTADIENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
HEXACHLOROCYCLOPENTADIENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
HEXACHLOROETHANE					U	10	UG/L	R Y	U	10	UG/L	R Y				
INDENO(1,2,3-CD)PYRENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
ISOPHORONE					U	10	UG/L	R Y	U	10	UG/L	R Y				
N-NITROSO-DI-N-PROPYLAMINE					U	10	UG/L	R Y	U	10	UG/L	R Y				
N-NITROSODIPHENYLAMINE					U	10	UG/L	R Y	U	10	UG/L	R Y				
NAPHTHALENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
NITROBENZENE					U	10	UG/L	R Y	U	10	UG/L	R Y				
PENTACHLOROPHENOL					U	49	UG/L	R Y	U	50	UG/L	R Y				

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-08					05-08					05-04					05-04				
Sample ID:	100218					100218DL					100219					100219DL				
Sample Date:	04/29/92					04/29/92					04/28/92					04/28/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					16.0					16.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
BUTYL BENZYL PHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CARBAZOLE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CHRYSENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DI-N-BUTYLPHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DI-N-OCTYLPHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIBENZO(A,H)ANTHRACENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIBENZOFURAN	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIETHYL PHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIMETHYL PHTHALATE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
FLUORANTHENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
FLUORENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROBUTADIENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
HEXACHLOROETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
INDENO(1,2,3-CD)PYRENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
ISOPHORONE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
N-NITROSODIPHENYLAMINE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
NAPHTHALENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
NITROBENZENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
PENTACHLOROPHENOL	U	51	UG/L	R	Y						U	51	UG/L	R	Y					

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Submittal Date: 08-Feb-94
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1992 RI/FS - Pit 5
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-01					05-01					05-02					05-02			
Sample ID:		100210					100210DL					100211					100211DL			
Sample Date:		04/28/92					04/28/92					04/29/92					04/29/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		15.0					15.0					18.0					18.0			
PHENANTHRENE	U	10	UG/L	R	Y															
PYRENE	U	10	UG/L	R	Y															
o,o-DIETHYL-o,2-PYRAZINYLPHOSE																				
1,1,1-TRICHLOROETHANE	U	5	UG/L	R	Y															
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	R	Y															
1,1,2-TRICHLOROETHANE	U	5	UG/L	R	Y															
1,1-DICHLOROETHANE	U	5	UG/L	R	Y															
1,1-DICHLOROETHENE	U	5	UG/L	R	Y															
1,2-DICHLOROETHANE	U	5	UG/L	R	Y															
1,2-DICHLOROETHENE	U	5	UG/L	R	Y															
1,2-DICHLOROPROPANE	U	5	UG/L	R	Y															
1,3-DICHLOROPROPENE	U	5	UG/L	R	Y															
2-BUTANONE	U	100	UG/L	R	Y															
2-CHLOROETHYL VINYL ETHER																				
2-HEXANONE	U	50	UG/L	R	Y															
4-METHYL-2-PENTANONE	U	50	UG/L	R	Y															
ACETONE	U	87	UG/L	R	Y															
BENZENE	U	5	UG/L	R	Y															
BROMODICHLOROMETHANE	U	5	UG/L	R	Y															
BROMOFORM	U	5	UG/L	R	Y															
BROMOMETHANE	U	10	UG/L	R	Y															
CARBON DISULFIDE	U	5	UG/L	R	Y															
CARBON TETRACHLORIDE	U	5	UG/L	R	Y															

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-03					05-03					05-04					05-04			
Sample ID:	100212					100212DL					100213					100213DL			
Sample Date:	04/28/92					04/28/92					04/28/92					04/28/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	18.0					18.0					16.0					16.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
PHENANTHRENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
PYRENE	U	10	UG/L	R	Y						U	9	UG/L	R	Y					
o,o-DIETHYL-o,2-PYRAZINYLPHOSE																				
1,1,1-TRICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1,2-TRICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1-DICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1-DICHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROPROPANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,3-DICHLOROPROPENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
2-BUTANONE	U	100	UG/L	R	Y						U	100	UG/L	R	Y					
2-CHLOROETHYL VINYL ETHER																				
2-HEXANONE	U	50	UG/L	R	Y						U	50	UG/L	R	Y					
4-METHYL-2-PENTANONE	U	50	UG/L	R	Y						U	50	UG/L	R	Y					
ACETONE	U	38	UG/L	R	Y						U	37	UG/L	R	Y					
BENZENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMODICHLOROMETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMOFORM	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMOMETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CARBON DISULFIDE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
CARBON TETRACHLORIDE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					

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1992 RI/FS - Pit 5
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		05-05					05-05					05-06					05-06			
Sample ID:		100214					100214DL					100215					100215DL			
Sample Date:		04/28/92					04/28/92					04/29/92					04/29/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		8.0					8.0					8.0					8.0			
PHENANTHRENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
PYRENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
o,o-DIETHYL-o,2-PYRAZINYLPHOSE																				
1,1,1-TRICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1,2-TRICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1-DICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1-DICHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROPROPANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,3-DICHLOROPROPENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
2-BUTANONE	J	4	UG/L	R	Y						U	100	UG/L	R	Y					
2-CHLOROETHYL VINYL ETHER																				
2-HEXANONE	U	50	UG/L	R	Y						U	50	UG/L	R	Y					
4-METHYL-2-PENTANONE		94	UG/L	R	Y						J	5	UG/L	R	Y					
ACETONE	U	56	UG/L	R	Y						UJ	93	UG/L	R	Y					
BENZENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMODICHLOROMETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMOFORM	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMOMETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CARBON DISULFIDE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
CARBON TETRACHLORIDE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-07					05-07					05-08					05-08			
Sample ID:	100216					100216DL					100217					100217DL			
Sample Date:	04/29/92					04/29/92					04/28/92					04/28/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	6.0					6.0					6.0					6.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
PHENANTHRENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
PYRENE						U	10	UG/L	R	Y	U	10	UG/L	R	Y					
o,o-DIETHYL-o,2-PYRAZINYLPHOSE																				
1,1,1-TRICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1,2-TRICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1-DICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,1-DICHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROPROPANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
1,3-DICHLOROPROPENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
2-BUTANONE	U	100	UG/L	R	Y						U	100	UG/L	R	Y					
2-CHLOROETHYL VINYL ETHER																				
2-HEXANONE	U	50	UG/L	R	Y						U	50	UG/L	R	Y					
4-METHYL-2-PENTANONE	J	16	UG/L	R	Y							58	UG/L	R	Y					
ACETONE	U	50	UG/L	R	Y						U	48	UG/L	R	Y					
BENZENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMODICHLOROMETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMOFORM	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
BROMOMETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CARBON DISULFIDE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
CARBON TETRACHLORIDE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-08					05-08					05-04					05-04				
Sample ID:	100218					100218DL					100219					100219DL				
Sample Date:	04/29/92					04/29/92					04/28/92					04/28/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					16.0					16.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
PHENANTHRENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
PYRENE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
o,o-DIETHYL-o,2-PYRAZINYLPHOSE																				
1,1,1-TRICHLOROETHANE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
1,1,2,2-TETRACHLOROETHANE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
1,1,2-TRICHLOROETHANE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
1,1-DICHLOROETHANE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
1,1-DICHLOROETHENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROETHANE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROETHENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
1,2-DICHLOROPROPANE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
1,3-DICHLOROPROPENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
2-BUTANONE	U	500	UG/L	R	Y						U	100	UG/L	R	Y					
2-CHLOROETHYL VINYL ETHER																				
2-HEXANONE	U	250	UG/L	R	Y						U	50	UG/L	R	Y					
4-METHYL-2-PENTANONE	U	250	UG/L	R	Y							83	UG/L	R	Y					
ACETONE		550	UG/L	R	Y						UJ	49	UG/L	R	Y					
BENZENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
BROMODICHLOROMETHANE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
BROMOFORM	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
BROMOMETHANE	U	50	UG/L	R	Y						U	10	UG/L	R	Y					
CARBON DISULFIDE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
CARBON TETRACHLORIDE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					

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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-01					05-01					05-02					05-02		
Sample ID:	100210					100210DL					100211					100211DL		
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92		
Top Depth (ft):	N/A					N/A					N/A					N/A		
Bottom Depth (ft):	15.0					15.0					18.0					18.0		
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
CHLOROBENZENE	U	5	UG/L	R	Y												
CHLOROETHANE	U	10	UG/L	R	Y												
CHLOROFORM	U	5	UG/L	R	Y												
CHLOROMETHANE	U	10	UG/L	R	Y												
DIBROMOCHLOROMETHANE	U	5	UG/L	R	Y												
ETHYLBENZENE	U	5	UG/L	R	Y												
METHYLENE CHLORIDE	U	61	UG/L	R	Y												
STYRENE	U	5	UG/L	R	Y												
TETRACHLOROETHENE	U	5	UG/L	R	Y												
TOLUENE	U	5	UG/L	R	Y												
TOTAL XYLENE	U	5	UG/L	R	Y												
TRICHLOROETHENE	U	5	UG/L	R	Y												
VINYL ACETATE	U	50	UG/L	R	Y												
VINYL CHLORIDE	U	10	UG/L	R	Y												

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
= Detected
NV = Not Validated
R = Rejected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:	05-03					05-03					05-04					05-04				
Sample ID:	100212					100212DL					100213					100213DL				
Sample Date:	04/28/92					04/28/92					04/28/92					04/28/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	18.0					18.0					16.0					16.0				
CHLOROBENZENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
CHLOROETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CHLOROFORM	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
CHLOROMETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIBROMOCHLOROMETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
ETHYLBENZENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
METHYLENE CHLORIDE	UJ	14	UG/L	R	Y						U	35	UG/L	R	Y					
STYRENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
TETRACHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
TOLUENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
TOTAL XYLENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
TRICHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
VINYL ACETATE	U	50	UG/L	R	Y						U	50	UG/L	R	Y					
VINYL CHLORIDE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					

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VQ = Validated Qualifier (See list at front of Appendices)
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J = Estimated
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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-05					05-05					05-06					05-06				
Sample ID:	100214					100214DL					100215					100215DL				
Sample Date:	04/28/92					04/28/92					04/29/92					04/29/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	8.0					8.0					8.0					8.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
CHLOROBENZENE	U	5	UG/L	R	Y					U	5	UG/L	R	Y							
CHLOROETHANE	U	10	UG/L	R	Y					U	10	UG/L	R	Y							
CHLOROFORM	U	5	UG/L	R	Y					U	5	UG/L	R	Y							
CHLOROMETHANE	U	10	UG/L	R	Y					U	10	UG/L	R	Y							
DIBROMOCHLOROMETHANE	U	5	UG/L	R	Y					U	5	UG/L	R	Y							
ETHYLBENZENE	U	5	UG/L	R	Y					U	5	UG/L	R	Y							
METHYLENE CHLORIDE	U	16	UG/L	R	Y					UJ	77	UG/L	R	Y							
STYRENE	U	5	UG/L	R	Y					U	5	UG/L	R	Y							
TETRACHLOROETHENE	U	5	UG/L	R	Y					U	5	UG/L	R	Y							
TOLUENE	U	5	UG/L	R	Y					J	4	UG/L	R	Y							
TOTAL XYLENE	U	5	UG/L	R	Y					U	5	UG/L	R	Y							
TRICHLOROETHENE	U	5	UG/L	R	Y					U	5	UG/L	R	Y							
VINYL ACETATE	U	50	UG/L	R	Y					U	50	UG/L	R	Y							
VINYL CHLORIDE	U	10	UG/L	R	Y					U	10	UG/L	R	Y							

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1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-07					05-07					05-08					05-08				
Sample ID:	100216					100216DL					100217					100217DL				
Sample Date:	04/29/92					04/29/92					04/28/92					04/28/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHLOROBENZENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
CHLOROETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
CHLOROFORM	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
CHLOROMETHANE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					
DIBROMOCHLOROMETHANE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
ETHYLBENZENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
METHYLENE CHLORIDE	U	15	UG/L	R	Y						U	17	UG/L	R	Y					
STYRENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
TETRACHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
TOLUENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
TOTAL XYLENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
TRICHLOROETHENE	U	5	UG/L	R	Y						U	5	UG/L	R	Y					
VINYL ACETATE	U	50	UG/L	R	Y						U	50	UG/L	R	Y					
VINYL CHLORIDE	U	10	UG/L	R	Y						U	10	UG/L	R	Y					

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 5
Pit Material Organic Results

Well/Boring:	05-08					05-08					05-04					05-04			
Sample ID:	100218					100218DL					100219					100219DL			
Sample Date:	04/29/92					04/29/92					04/28/92					04/28/92			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	6.0					6.0					16.0					16.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHLOROBENZENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
CHLOROETHANE	U	50	UG/L	R	Y						U	10	UG/L	R	Y					
CHLOROFORM	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
CHLOROMETHANE	U	50	UG/L	R	Y						U	10	UG/L	R	Y					
DIBROMOCHLOROMETHANE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
ETHYLBENZENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
METHYLENE CHLORIDE		180	UG/L	R	Y						U	17	UG/L	R	Y					
STYRENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
TETRACHLOROETHENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
TOLUENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
TOTAL XYLENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
TRICHLOROETHENE	U	25	UG/L	R	Y						U	5	UG/L	R	Y					
VINYL ACETATE	U	250	UG/L	R	Y						U	50	UG/L	R	Y					
VINYL CHLORIDE	U	50	UG/L	R	Y						U	10	UG/L	R	Y					

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PIT 1
PIT MATERIAL
EXTRACTION PROCEDURE TOXICITY RESULTS

Characterization Investigation Study - Pit 5
Extraction Procedure Toxicity Data

Chemical Parameters												
Well/Boring:		05-06			05-05			05-04			05-03	
Sample ID:		PS-05-001			PS-05-012			PS-05-024			PS-05-045	
Sample Date:		3/13/87			3/20/87			3/23/87			3/24/87	
Top Depth (ft):		0			0			0			0	
Bottom Depth (ft):		12			12			12			12	
	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		> 800	DEG F		> 800	DEG F		> 800	DEG F		> 800	DEG F
CORROSIVITY		7.00	PHU		7.00	PHU		8.70	PHU		8.60	PHU
REACTIVITY (SULFIDE)	U	1.26	MG/KG	U	1.01	MG/L	U	0.82	MG/L	U	0.88	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE		516	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE	U	1000	UG/L	U	1000	UG/L	U	1000	UG/L		2260	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE		6.2	UG/L		1.9	UG/L		3.8	UG/L		3.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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Characterization Investigation Study - Pit 5
Extraction Procedure Toxicity Data

Chemical Parameters						
Well/Boring:		05-02			05-01	
Sample ID:		PS-05-065			PS-05-077	
Sample Date:		3/26/87			3/30/87	
Top Depth (ft):		0			0	
Bottom Depth (ft):		14			3	
	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		> 800	DEG F		> 800	DEG F
CORROSIVITY		9.30	PHU		9.30	PHU
REACTIVITY (SULFIDE)		0.95	MG/KG	U	0.55	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE		3170	UG/L	U	1000	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L	U	0.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L

Note: Data was not validated
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PHU = pH units
LQ = Laboratory qualifier
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A.5.2

PIT 5
PIT SURFACE WATER

A.5.2.1

PIT 5
PIT SURFACE WATER
RADIOLOGICAL RESULTS

Well/Boring:		05				05		
Sample ID:		SW-05-001				SW-05-002		
Sample Date:		05/15/87				05/15/87		
Top Depth (ft):		N/A				N/A		
Bottom Depth (ft):		N/A				N/A		
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CESIUM-137		51	PCI/L	-		90	PCI/L	-
NEPTUNIUM-237	<	0.7	PCI/L	UJ	<	0.4	PCI/L	UJ
PLUTONIUM-238	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
PLUTONIUM-239/240	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
RADIUM-226			PCI/L	NV			PCI/L	NV
RADIUM-228			PCI/L	NV			PCI/L	NV
RUTHENIUM-106	<	76	PCI/L	UJ	<	85	PCI/L	UJ
STRONTIUM-90		41	PCI/L	-		34	PCI/L	-
TECHNETIUM-99		240	PCI/L	-		320	PCI/L	-
THORIUM-228	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
THORIUM-230		0.1	PCI/L	J		0.1	PCI/L	J
THORIUM-232	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
URANIUM-234		420	PCI/L	-		410	PCI/L	-
URANIUM-235		18	PCI/L	-		19	PCI/L	-
URANIUM-238		400	PCI/L	-		370	PCI/L	-

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A.5.2.2

PIT 5
PIT SURFACE WATER
INORGANIC RESULTS

Well/Boring:		05				05		
Sample ID:		SW-05-001				SW-05-002		
Sample Date:		05/15/87				05/15/87		
Top Depth (ft):		N/A				N/A		
Bottom Depth (ft):		N/A				N/A		
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CYANIDE	N	87	UG/L	J	N	67	UG/L	J
ALUMINUM	U	51	UG/L	U	U	51	UG/L	U
ANTIMONY	N	3.9	UG/L	J	N	4.5	UG/L	J
ARSENIC		2.1	UG/L	J		2.1	UG/L	J
BARIUM		108	UG/L	J		104	UG/L	J
BERYLLIUM	U	1	UG/L	U	U	1	UG/L	U
CADMIUM	U	1.9	UG/L	U	U	1.9	UG/L	U
CALCIUM		184000	UG/L	-		178000	UG/L	-
CHROMIUM	U	4.4	UG/L	U	U	4.4	UG/L	U
COBALT	U	9.5	UG/L	U	U	9.5	UG/L	U
COPPER		20	UG/L	J		21	UG/L	J
IRON	U	14	UG/L	U	U	14	UG/L	U
LEAD	N	1.5	UG/L	J	N	2.9	UG/L	J
MAGNESIUM		387000	UG/L	-		386000	UG/L	-
MANGANESE	UN	2.3	UG/L	UJ	UN	2.3	UG/L	UJ
MERCURY	U	0.2	UG/L	U	U	0.2	UG/L	U
NICKEL		19	UG/L	J		21	UG/L	J
POTASSIUM	N	92000	UG/L	J	N	48000	UG/L	J
SELENIUM	UN	1.7	UG/L	UJ	N	2.1	UG/L	J
SILVER	UN	6.7	UG/L	UJ	UN	6.7	UG/L	UJ
SODIUM		1320000	UG/L	-		1150000	UG/L	-
THALLIUM	UN	1.1	UG/L	UJ	UN	1.1	UG/L	UJ

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Characterization Investigation Study - Pit 5
Surface Water Inorganic Results

Well/Boring:		05				05		
Sample ID:		SW-05-001				SW-05-002		
Sample Date:		05/15/87				05/15/87		
Top Depth (ft):		N/A				N/A		
Bottom Depth (ft):		N/A				N/A		
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
VANADIUM		47	UG/L	J		46	UG/L	J
ZINC	*	94	UG/L	J	U	4.3	UG/L	UJ

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Submittal Date: 08-Feb-94
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A.5.2.3

PIT 5
PIT SURFACE WATER
ORGANIC RESULTS

Well/Boring:	05				05			
Sample ID:	SW-05-001				SW-05-002			
Sample Date:	05/15/87				05/15/87			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	.2	UG/L	U	U	.2	UG/L	U
4,4-DDE	U	.2	UG/L	U	U	.2	UG/L	U
4,4-DDT	U	.2	UG/L	U	U	.2	UG/L	U
ALDRIN	U	.1	UG/L	U	U	.1	UG/L	U
ALPHA-BHC	U	.1	UG/L	U	U	.1	UG/L	U
AROCLOR 1016	U	1	UG/L	U	U	1	UG/L	U
AROCLOR 1221	U	1	UG/L	U	U	1	UG/L	U
AROCLOR 1232	U	1	UG/L	U	U	1	UG/L	U
AROCLOR 1242	U	1	UG/L	U	U	1	UG/L	U
AROCLOR 1248	U	1	UG/L	U	U	1	UG/L	U
AROCLOR 1254	U	2	UG/L	U	U	2	UG/L	U
AROCLOR 1260	U	2	UG/L	U	U	2	UG/L	U
BETA-BHC	U	.1	UG/L	U	U	.1	UG/L	U
CHLORDANE	U	1	UG/L	U	U	1	UG/L	U
DELTA-BHC	U	.1	UG/L	U	U	.1	UG/L	U
DIELDRIN	U	.2	UG/L	U	U	.2	UG/L	U
ENDOSULFAN I	U	.1	UG/L	U	U	.1	UG/L	U
ENDOSULFAN II	U	.2	UG/L	U	U	.2	UG/L	U
ENDOSULFAN SULFATE	U	.2	UG/L	U	U	.2	UG/L	U
ENDRIN	U	.2	UG/L	U	U	.2	UG/L	U
ENDRIN KETONE	U	.2	UG/L	U	U	.2	UG/L	U
GAMMA-BHC(Lindane)	U	.1	UG/L	U	U	.1	UG/L	U

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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:	05				05			
Sample ID:	SW-05-001				SW-05-002			
Sample Date:	05/15/87				05/15/87			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
HEPTACHLOR	U	.1	UG/L	U	U	.1	UG/L	U
HEPTACHLOR EPOXIDE	U	.1	UG/L	U	U	.1	UG/L	U
METHOXYCHLOR	U	1	UG/L	U	U	1	UG/L	U
TOXAPHENE	U	2	UG/L	U	U	2	UG/L	U
1,2,4-TRICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U
1,2-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U
1,3-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U
1,4-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U
2,4,5-TRICHLOROPHENOL	U	50	UG/L	UJ	U	50	UG/L	UJ
2,4,6-TRICHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U
2,4-DICHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U
2,4-DIMETHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U
2,4-DINITROPHENOL	U	50	UG/L	U	U	50	UG/L	U
2,4-DINITROTOLUENE	U	10	UG/L	UJ	U	10	UG/L	UJ
2,6-DINITROTOLUENE	U	10	UG/L	U	U	10	UG/L	U
2-CHLORONAPHTHALENE	U	10	UG/L	U	U	10	UG/L	U
2-CHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U
2-METHYLNAPHTHALENE	U	10	UG/L	U	U	10	UG/L	U
2-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U
2-NITROANILINE	U	50	UG/L	U	U	50	UG/L	U
2-NITROPHENOL	U	10	UG/L	U	U	10	UG/L	U
3,3-DICHLOROBENZIDINE	U	20	UG/L	U	U	20	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		05				05			
Sample ID:		SW-05-001				SW-05-002			
Sample Date:		05/15/87				05/15/87			
Top Depth (ft):		N/A				N/A			
Bottom Depth (ft):		N/A				N/A			
3-NITROANILINE	U	50	UG/L	U	U	50	UG/L	U	
4,6-DINITRO-2-METHYLPHENOL	U	50	UG/L	U	U	50	UG/L	U	
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	UJ	U	10	UG/L	UJ	
4-CHLORO-3-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U	
4-CHLOROANILINE	U	10	UG/L	U	U	10	UG/L	U	
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	UJ	U	10	UG/L	UJ	
4-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U	
4-NITROANILINE	U	50	UG/L	U	U	50	UG/L	U	
4-NITROPHENOL	U	50	UG/L	UJ	U	50	UG/L	UJ	
ACENAPHTHENE	U	10	UG/L	U	U	10	UG/L	U	
ACENAPHTHYLENE	U	10	UG/L	U	U	10	UG/L	U	
ANTHRACENE	U	10	UG/L	U	U	10	UG/L	U	
BENZO(A)ANTHRACENE	U	10	UG/L	U	U	10	UG/L	U	
BENZO(A)PYRENE	U	10	UG/L	U	U	10	UG/L	U	
BENZO(B)FLUORANTHENE	U	10	UG/L	U	U	10	UG/L	U	
BENZO(G,H,I)PERYLENE	U	10	UG/L	UJ	U	10	UG/L	UJ	
BENZO(K)FLUORANTHENE	U	10	UG/L	U	U	10	UG/L	U	
BENZOIC ACID	U	50	UG/L	R	U	50	UG/L	R	
BENZYL ALCOHOL	U	10	UG/L	UJ	U	10	UG/L	UJ	
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	U	U	10	UG/L	U	
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	UJ	U	10	UG/L	UJ	
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	UJ	U	10	UG/L	UJ	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:	05				05			
Sample ID:	SW-05-001				SW-05-002			
Sample Date:	05/15/87				05/15/87			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
BIS(2-ETHYLHEXYL)PHTHALATE	U	10	UG/L	U	U	10	UG/L	U
BUTYL BENZYL PHTHALATE	U	10	UG/L	U	U	10	UG/L	U
CHRYSENE	U	10	UG/L	U	U	10	UG/L	U
DI-N-BUTYLPHTHALATE	J	10	UG/L	U	J	10	UG/L	U
DI-N-OCTYLPHTHALATE	U	10	UG/L	U	U	10	UG/L	U
DIBENZO(A,H)ANTHRACENE	U	10	UG/L	UJ	U	10	UG/L	UJ
DIBENZOFURAN	U	10	UG/L	U	U	10	UG/L	U
DIETHYL PHTHALATE	U	10	UG/L	U	U	10	UG/L	U
DIMETHYL PHTHALATE	U	10	UG/L	UJ	U	10	UG/L	UJ
FLUORANTHENE	U	10	UG/L	U	U	10	UG/L	U
FLUORENE	U	10	UG/L	U	U	10	UG/L	U
HEXACHLOROBENZENE	U	10	UG/L	UJ	U	10	UG/L	UJ
HEXACHLOROBUTADIENE	U	10	UG/L	U	U	10	UG/L	U
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	U	U	10	UG/L	U
HEXACHLOROETHANE	U	10	UG/L	U	U	10	UG/L	U
INDENO(1,2,3-CD)PYRENE	U	10	UG/L	UJ	U	10	UG/L	UJ
ISOPHORONE	U	10	UG/L	UJ	U	10	UG/L	UJ
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	U	U	10	UG/L	UJ
N-NITROSODIPHENYLAMINE	U	10	UG/L	UJ	U	10	UG/L	U
NAPHTHALENE	U	10	UG/L	U	U	10	UG/L	U
NITROBENZENE	U	10	UG/L	UJ	U	10	UG/L	UJ
PENTACHLOROPHENOL	U	50	UG/L	U	U	50	UG/L	U

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Well/Boring:	05				05			
Sample ID:	SW-05-001				SW-05-002			
Sample Date:	05/15/87				05/15/87			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
PHENANTHRENE	U	10	UG/L	U	U	10	UG/L	U
PHENOL	U	10	UG/L	U	U	10	UG/L	U
PYRENE	U	10	UG/L	U	U	10	UG/L	U
1,1,1-TRICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,1,2-TRICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,1-DICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,1-DICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U
1,2-DICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,2-DICHLOROPROPANE	U	5	UG/L	U	U	5	UG/L	U
1,3-DICHLOROPROPENE	U	5	UG/L	U	U	5	UG/L	U
2-BUTANONE	U	10	UG/L	R	U	10	UG/L	R
2-CHLOROETHYL VINYL ETHER	U	10	UG/L	UJ	U	10	UG/L	UJ
2-HEXANONE	U	10	UG/L	UJ	U	10	UG/L	UJ
4-METHYL-2-PENTANONE	U	10	UG/L	U	U	10	UG/L	U
ACETONE	J	10	UG/L	UJ	J	10	UG/L	UJ
BENZENE		11	UG/L	-	U	5	UG/L	U
BROMODICHLOROMETHANE	U	5	UG/L	U	U	5	UG/L	U
BROMOFORM	U	5	UG/L	U	U	5	UG/L	U
BROMOMETHANE	U	10	UG/L	UJ	U	10	UG/L	UJ
CARBON DISULFIDE	U	5	UG/L	U	U	5	UG/L	U
CARBON TETRACHLORIDE	U	5	UG/L	U	U	5	UG/L	U

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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:	05				05			
Sample ID:	SW-05-001				SW-05-002			
Sample Date:	05/15/87				05/15/87			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
CHLOROBENZENE	U	5	UG/L	U	U	5	UG/L	U
CHLOROETHANE	U	10	UG/L	UJ	U	10	UG/L	UJ
CHLOROFORM	U	5	UG/L	U	U	5	UG/L	U
CHLOROMETHANE	U	10	UG/L	UJ	U	10	UG/L	UJ
DIBROMOCHLOROMETHANE	U	5	UG/L	U	U	5	UG/L	U
ETHYLBENZENE	U	5	UG/L	U	U	5	UG/L	U
METHYLENE CHLORIDE	J	1	UG/L	J	J	2	UG/L	J
STYRENE	U	5	UG/L	U	U	5	UG/L	U
TETRACHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U
TOLUENE	J	1	UG/L	J	U	5	UG/L	U
TOTAL XYLENE	U	5	UG/L	U	U	5	UG/L	U
TRANS-1,2-DICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U
TRICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U
VINYL ACETATE	U	10	UG/L	U	U	10	UG/L	U
VINYL CHLORIDE	U	10	UG/L	U	U	10	UG/L	U

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
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J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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A.6

PIT 6

A.6.1

PIT 6
PIT MATERIAL

A.6.1.1

PIT 6
PIT MATERIAL
VISUAL CLASSIFICATION OF SOILS

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 06-01 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481927.88,1379191.13	DATE OF COMPLETION: 4/7/87 PAGE 1 OF 1

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 8	NA	Push	2	Same as 28"-48", no plastic	Sm	NA	16000 cpm above 2000 cpm below HNu = ND
8 28	FMP-PS-06-027	Push	10	Same as 28" - 48", no plastic, medium gravel, more yellow (some)	Sm	NA	28000 cpm HNu = ND
28 48	FMP-PS-06-026	Push	8	Black (5Y 2/5/1) trace yellow (5Y 8/8) trace white (10 YR 8/1), cm (+) to fine sand, some silt, trace clay plastic in bottom (clear plastic) very saturated, trace fine gravel (spaghetti sauce consistency)	Sm	NA	HNu = 1.5 ppm
				Total Depth = 4 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-06-028, & 030, are composite samples of entire boring

above - above mixing bowl cpm - counts per minute read with HP-210T

below - below mixing bowl

FERNALD/WEL0801.DRW/8/5-7-93

-5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 06-02 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481914.94,1379115.75	DATE OF COMPLETION: 4/7/87 PAGE 1 OF 1

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 8	NA	Push	0	(No description given)	NA	NA	No cpm reading HNu = ND
8 28	FMP-PS-06-024	Push	8	Same as below. Bottom 4 " had more (some) yellow (5 Y 8/8)	NA	NA	40000 cpm HNu = ND
28 48	FMP-PS-06-023	Push	9	Black (5 Y 2.5/1), little (5 Y 8/8) yellow, trace white (10 YR 8/1) Coarse material to fine sand, some (-) silt, trace clay, trace fine clay, very saturated (spaghetti sauce consistency) pieces of yellow plastic.	NA	NA	31000 cpm HNu = ND
				Total Depth = 4 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-06-025 & 029 are composite samples of entire boring

cpm - counts per minute

FERNALD/WEL0602.DRW/I/8-7-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 06-03 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: PONTOON BOAT & RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY ROY F. WESTON, INC. COORDINATES: 481938.28,1379176.38	DATE OF COMPLETION: 4/6/87 PAGE 1 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 20	FMP-PS-06-013	Push	8	Same as 40-60" about color, color changes dark olive gray (5 Y 3/2) predominant yellow (5 Y 8/8) and white (10 YR 8/1) all more abundant than 20-60" cake icing consistency, soupy.	NA	NA	17000 cpm HNu = ND
20 40	FMP-PS-06-014	Push	5	Same as 40-60"	NA	NA	3500 cpm HNu = ND
40 60	FMP-PS-06-015	Push	8	Black (5 Y 2.5/1) with little yellow (5 Y 8/8) and trace white (10 YR 8/1) coarse to fine sand, little clay, little silt, trace of gravel, yellow material is asociated with larger chunks of material, spaghetti sauce consistency.	SM/ML	NA	3500 cpm HNu = ND
60 80	FMP-PS-06-016	Push	4	Same as 100-120"	NA	NA	22000 cpm above Hnu = ND 2000 cpm below
80 100	FMP-PS-06-017	Push	6	Same as 100-120"	NA	NA	25000 cpm HNu = ND
100 120	FMP-PS-06-018	Push	6	Black (5 Y 2.5/1) with little yellow (5 Y 8/8) trace white (10 YR 8/1), coarse medium to fine sand, little clay, little silt, trace of gravel, spaghetti sauce consistency, clumps of gravel			21000 cpm above HNu = ND 4000 cpm below
114 134	FMP-PS-06-019	Push	8	Yellow and white are predominate with dark olive green and black throughout, spaghetti sauce consistency, coarse to medium to fine sand, some silt little clay trace fine gravel, clumps of consolidated silt and clay like material (yellow and gray are not found in these clumps)			No cpm reading HNu = 10 ppm

NOTES:
Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.
Samples FMP-PS-06-011, 012, & 022 are composite samples of entire boring
cpm - counts per minute
above - above the mixing bowl
below - below the mixing bowl

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 06-03 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481938.28,1379176.38	DATE OF COMPLETION: 4/6/87 PAGE 2 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
134 154	FMP-PS-06-020	Push	10	Same as 100'-120', less yellow and more white.	NA	NA	30000 cpm HNu = ND
154 174	FMP-PS-06-021	Push	10	Same as 100'-120', less water, consistency of pudding, less large chunks of unconsolidated silt and clay	NA	NA	25000 cpm HNu = ND
				Total Depth = 14.5 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.
Samples FMP-PS-06-011, 012, and 022 are composite samples of entire boring
cpm - counts per minute
above - above mixing bowl
below - below mixing bowl

FERNALD/WEL0603a.DRW/9-7-93

VISUAL CLASSIFICATION OF SOILS

5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 06-04 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: PONTOON BOAT & PISTON RING SAMPLER	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 481887.47,1379205.00	DATE OF COMPLETION: 4/3/87 PAGE 1 OF 1

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 20	FMP-PS-06-002	Push	10	Dark olive gray (5Y 3/2) liquid, abundant flecks of yellow (5 Y 8/8) coarse to fine sand like material trace fine gravel, some clay like material large pebble sized clay material is yellow (5 Y 8/8) when crushed (appears as black pebbles in the sample)	NA	NA	65 cpm [1] 12500 cpm [2] HNu = ND
20 40	FMP-PS-06-003	Push	20	Black (5 Y 2.5/1) spaghetti sauce consistency, abundant grit, medium to coarse sand size some pebble sized clay material, petrol sheen on surface	NA	NA	120 cpm [1] 25000 cpm [2] HNu = ND
40 60	FMP-PS-06-004	Push	20	As 20-40" but with occasional specks of what appears to be green salts	NA	NA	60 cpm [1] 1700 cpm [2] HNu = ND
60 80	FMP-PS-06-006	Push	20	Black (5 Y 2.5/1) coarse to fine sand sized material, trace of gravel, some clay dark olive gray (5 Y 2/2) and yellow (5 Y 8/8) and little white (10 YR 8/1) mixed throughout.	NA	NA	15000 cpm [2] HNu = ND
80 100	FMP-PS-06-007	Push	20	14" black (5 Y 2.5/1) coarse to fine sand size material, trace of gravel, some clay, dark olive gray (5 Y 3/2) throughout. 6" yellow (5 Y 8/8) with black (5 Y 2.5/1) mixed in, coarse to fine sand size material, trace of gravel, some clay material, trace of gravel some clay, spaghetti sauce consistency.	NA	NA	20000 cpm [2] HNu = ND
100 120	FMP-PS-06-008	Push	20	Black (5 Y 2.5/1) coarse to fine sand size material, trace of gravel to some clay, abundant yellow (5 Y 8/8) and white (10 YR 8/1) mixed through out, spaghetti sauce consistency.	SM/ ML	NA	10000 cpm [2] HNu = ND
				Total Depth = 10 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-06-001, 005, composites of 0-60", samples of FMP-PS-06-009, 010 composites of 0-120".

1 - cpm - counts perimete read - HP-270
2 - cpm counts per minute red - HP-210T

FERNALD/WEL0604.DRW/I/8-7-93

A.6.1.2

PIT 6
PIT MATERIAL
RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit 6
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		06-04				06-03				06-02				06-01		
Sample ID:		PS-06-009				PS-06-012				PS-06-025				PS-06-028		
Sample Date:		4/2/87				4/6/87				4/7/87				4/7/87		
Top Depth (ft):		0.0				0.0				0				1.2		
Bottom Depth (ft):		10.0				15.0				4.0				4.5		
CESIUM-137	<	4.0	PCI/G	UJ		20	PCI/G	J		31	PCI/G	J		15	PCI/G	J
NEPTUNIUM-237		1.5	PCI/G	-		0.9	PCI/G	-		3.6	PCI/G	-		2.1	PCI/G	-
PLUTONIUM-238		0.7	PCI/G	-		0.4	PCI/G	-		0.6	PCI/G	-		1.4	PCI/G	-
PLUTONIUM-239/240		6.3	PCI/G	J		4.0	PCI/G	J		9.5	PCI/G	J		15	PCI/G	J
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	35	PCI/G	UJ	<	35	PCI/G	UJ	<	35	PCI/G	UJ	<	35	PCI/G	UJ
STRONTIUM-90		3.7	PCI/G	-		2.6	PCI/G	-		5.0	PCI/G	-		5.1	PCI/G	-
TECHNETIUM-99		140	PCI/G	-		164	PCI/G	-		120	PCI/G	-		84	PCI/G	-
THORIUM-228		0.4	PCI/G	J		0.2	PCI/G	J		0.2	PCI/G	J		1.2	PCI/G	J
THORIUM-230		14	PCI/G	J		25	PCI/G	J		44	PCI/G	J		41	PCI/G	J
THORIUM-232		0.4	PCI/G	J		0.2	PCI/G	J		0.2	PCI/G	J		1.2	PCI/G	J
URANIUM-234		2000	PCI/G	J		2960	PCI/G	J		5330	PCI/G	J		3380	PCI/G	J
URANIUM-235		580	PCI/G	J		350	PCI/G	J		1750	PCI/G	J		1490	PCI/G	J
URANIUM-238		12500	PCI/G	J		18000	PCI/G	J		18700	PCI/G	J		18700	PCI/G	J

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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93

1992 RI/FS - Pit 6
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		06-01				06-02				06-03				06-04		
Sample ID:		100225				100226				100227				100228		
Sample Date:		05/04/92				05/04/92				05/05/92				05/05/92		
Top Depth (ft):		N/A				N/A				N/A				N/A		
Bottom Depth (ft):		7.0				6.0				6.0				6.0		
CESIUM-137		0.9	PCI/G	J		0.9	PCI/G	J		1.6	PCI/G	J		7.5	PCI/G	J
GROSS ALPHA		3300	PCI/G	J		11000	PCI/G	J		4800	PCI/G	J		5100	PCI/G	J
GROSS BETA		7200	PCI/G	J		19000	PCI/G	J		9700	PCI/G	J		9000	PCI/G	J
NEPTUNIUM-237		0.08	PCI/G	UJ		0.7	PCI/G	J		0.1	PCI/G	J		0.5	PCI/G	J
PLUTONIUM-238		0.6	PCI/G	J		10	PCI/G	J		0.7	PCI/G	J		8.1	PCI/G	J
PLUTONIUM-239/240		3.2	PCI/G	J		2.9	PCI/G	J		4.6	PCI/G	J		3.4	PCI/G	J
POTASSIUM-40		13	PCI/G	J		83	PCI/G	J	ND	8.0	PCI/G	J		191	PCI/G	J
RADIUM-226	ND	3.3	PCI/G	UJ	ND	3.2	PCI/G	UJ	ND	3.6	PCI/G	UJ	ND	1.5	PCI/G	UJ
RADIUM-228	ND	0.89	PCI/G	UJ		3.9	PCI/G	J	ND	0.95	PCI/G	UJ		3.2	PCI/G	J
RUTHENIUM-106	ND	3.7	PCI/G	UJ	ND	3.8	PCI/G	UJ	ND	4.1	PCI/G	UJ		13	PCI/G	J
STRONTIUM-90		0.7	PCI/G	J		1.2	PCI/G	J		1.3	PCI/G	J		0.9	PCI/G	J
TECHNETIUM-99		4.9	PCI/G	J		35	PCI/G	J		4.6	PCI/G	J		35	PCI/G	J
THORIUM-228		0.4	PCI/G	J		0.4	PCI/G	J		0.6	PCI/G	J		0.2	PCI/G	J
THORIUM-230		1030	PCI/G	J		2338	PCI/G	J		1796	PCI/G	J		1780	PCI/G	J
THORIUM-232		110	PCI/G	J		159	PCI/G	J		132	PCI/G	J		158	PCI/G	J
THORIUM-TOTAL		6863	PCI/G	J		13095	PCI/G	J		10400	PCI/G	J		9001	PCI/G	J
URANIUM-234		18820	UG/G	J		4592	UG/G	J		2808	UG/G	J		3590	UG/G	J
URANIUM-235/236																
URANIUM-238																
URANIUM-TOTAL																

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-05					06-06					06-07					06-08			
Sample ID:		100229					100230					100231					100232			
Sample Date:		05/05/92					05/05/92					05/04/92					05/05/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					6.0			
CESIUM-137		14.0	PCI/G	J			10.0	PCI/G	J			12.3	PCI/G	J			10.5	PCI/G	J	
GROSS ALPHA		13000	PCI/G	J			13000	PCI/G	J			14000	PCI/G	J			5700	PCI/G	J	
GROSS BETA		19000	PCI/G	J			23000	PCI/G	J			18000	PCI/G	J			10000	PCI/G	J	
NEPTUNIUM-237																				
PLUTONIUM-238		0.9	PCI/G	J			0.7	PCI/G	J			1.0	PCI/G	J			0.53	PCI/G	UJ	
PLUTONIUM-239/240		11	PCI/G	J			13	PCI/G	J			14	PCI/G	J			4.7	PCI/G	J	
POTASSIUM-40																				
RADIUM-226		4.1	PCI/G	J			4.4	PCI/G	J			4.9	PCI/G	J			3.7	PCI/G	J	
RADIUM-228		79	PCI/G	J			26	PCI/G	J			15	PCI/G	J			19	PCI/G	J	
RUTHENIUM-106	ND	1.8	PCI/G	UJ		ND	2	PCI/G	UJ		ND	5.6	PCI/G	UJ		ND	4	PCI/G	UJ	
STRONTIUM-90		4.8	PCI/G	J			2.2	PCI/G	J			4.3	PCI/G	J			1.4	PCI/G	J	
TECHNETIUM-99		44	PCI/G	J			45	PCI/G	J			32	PCI/G	J			7.1	PCI/G	J	
THORIUM-228		1.4	PCI/G	J			1.7	PCI/G	J			1.6	PCI/G	J			1.1	PCI/G	J	
THORIUM-230		39	PCI/G	J			62	PCI/G	J			52	PCI/G	J			26	PCI/G	J	
THORIUM-232		0.4	PCI/G	J			1.0	PCI/G	J			0.6	PCI/G	J			0.6	PCI/G	J	
THORIUM-TOTAL																				
URANIUM-234		4064	PCI/G	J			3409	PCI/G	J			3326	PCI/G	J			1465	PCI/G	J	
URANIUM-235/236		337	PCI/G	J			312	PCI/G	J			293	PCI/G	J			137	PCI/G	J	
URANIUM-238		28746	PCI/G	J			24350	PCI/G	J			19563	PCI/G	J			8886	PCI/G	J	
URANIUM-TOTAL		8792	UG/G	J			11006	UG/G	J			24748	UG/G	J			27733	UG/G	J	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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Well/Boring:	UNKNOWN
Sample ID:	100233
Sample Date:	05/05/92
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ TCLP
CESIUM-137		0.9	PCI/G	J
GROSS ALPHA		4200	PCI/G	J
GROSS BETA		7500	PCI/G	J
NEPTUNIUM-237				
PLUTONIUM-238		0.1	PCI/G	UJ
PLUTONIUM-239/240		0.6	PCI/G	J
POTASSIUM-40				
RADIUM-226		3.3	PCI/G	J
RADIUM-228		4.9	PCI/G	J
RUTHENIUM-106	ND	1.7	PCI/G	UJ
STRONTIUM-90	ND	0.9	PCI/G	UJ
TECHNETIUM-99	ND	3.7	PCI/G	UJ
THORIUM-228		.7	PCI/G	J
THORIUM-230		7.9	PCI/G	J
THORIUM-232		0.7	PCI/G	J
THORIUM-TOTAL				
URANIUM-234		1031	PCI/G	J
URANIUM-235/236		86	PCI/G	J
URANIUM-238		6186	PCI/G	J
URANIUM-TOTAL		1331	UG/G	J

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- = Detected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

A.6.1.3

PIT 6
PIT MATERIAL
INORGANIC RESULTS

Characterization Investigation Study - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-04				06-03				06-02				06-01			
Sample ID:	PS-06-001				PS-06-011				PS-06-029				PS-06-030			
Sample Date:	04/03/87				04/06/87				04/07/87				04/07/87			
Top Depth (ft):	0.0				0.0				0				1.2			
Bottom Depth (ft):	5				15.0				4.0				4.5			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CYANIDE	U	0.7	MG/KG	UJ												
ALUMINUM	E	4730	MG/KG	J												
ANTIMONY	UN	1.9	MG/KG	UJ	U	10	MG/KG	NV	U	10	MG/KG	NV	U	10	MG/KG	NV
ARSENIC		7.6	MG/KG	J	U	1	MG/KG	NV	U	1	MG/KG	NV	U	1	MG/KG	NV
BARIUM		95	MG/KG	-												
BERYLLIUM		5.7	MG/KG	-		2	MG/KG	NV	U	1	MG/KG	NV	U	1	MG/KG	NV
CADMIUM		5.7	MG/KG	-		0.6	MG/KG	NV	U	0.5	MG/KG	NV	U	0.5	MG/KG	NV
CALCIUM		22200	MG/KG	-												
CHROMIUM		30	MG/KG	-		28	MG/KG	NV		13	MG/KG	NV		4.8	MG/KG	NV
COBALT		26	MG/KG	-												
COPPER		222	MG/KG	-		140	MG/KG	NV		74	MG/KG	NV		13	MG/KG	NV
CYANIDE	U	0.7	MG/KG	UJ												
IRON	E	2750	MG/KG	J												
LEAD		60	MG/KG	J		40	MG/KG	NV		15	MG/KG	NV		5.0	MG/KG	NV
MAGNESIUM		32100	MG/KG	-												
MANGANESE	E	35	MG/KG	J												
MERCURY	U	0.1	MG/KG	UJ		0.07	MG/KG	NV		0.04	MG/KG	NV		0.03	MG/KG	NV
NICKEL		51	MG/KG	-		20	MG/KG	NV		7.7	MG/KG	NV		8.0	MG/KG	NV
OSMIUM																
POTASSIUM		913	MG/KG	-												
SELENIUM	UN	0.4	MG/KG	UJ	U	0.7	MG/KG	NV	U	0.7	MG/KG	NV	U	0.7	MG/KG	NV
SILVER	N	158	MG/KG	J	U	1	MG/KG	NV	U	1	MG/KG	NV	U	1	MG/KG	NV

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit 6
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		06-04				06-03				06-02				06-01		
Sample ID:		PS-06-001				PS-06-011				PS-06-029				PS-06-030		
Sample Date:		04/03/87				04/06/87				04/07/87				04/07/87		
Top Depth (ft):		0.0				0.0				0				1.2		
Bottom Depth (ft):		5				15.0				4.0				4.5		
SODIUM		600	MG/KG	-												
THALLIUM	U	0.7	MG/KG	UJ	U	10	MG/KG	NV	U	10	MG/KG	NV	U	10	MG/KG	NV
TIN																
VANADIUM		100	MG/KG	-												
ZINC		48	MG/KG	-		51	MG/KG	NV		32	MG/KG	NV		4.8	MG/KG	NV

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-01				06-02				06-03				06-04		
Sample ID:	100225				100226				100227				100228		
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	7.0				6.0				6.0				6.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ALUMINUM		17000	MG/KG	J		13600	MG/KG	J		9780	MG/KG	J		1590	MG/KG	J
ANTIMONY	U	6.9	MG/KG	UJ	U	5.5	MG/KG	UJ	U	5.6	MG/KG	UJ	U	1.7	MG/KG	UJ
ARSENIC		36.6	MG/KG	J		18.6	MG/KG	J		17.3	MG/KG	J		26.4	MG/KG	J
BARIUM		58.2	MG/KG	J		40.1	MG/KG	J		24.0	MG/KG	J		10.7	MG/KG	J
BERYLLIUM		1.1	MG/KG	J		0.90	MG/KG	J		0.57	MG/KG	J		0.36	MG/KG	J
CADMIUM	U	0.63	MG/KG	UJ	U	0.50	MG/KG	UJ		1.3	MG/KG	J	U	1.5	MG/KG	UJ
CALCIUM		138000	MG/KG	J		102000	MG/KG	J		157000	MG/KG	J		27900	MG/KG	J
CHROMIUM		5.2	MG/KG	J		6.0	MG/KG	J		7.0	MG/KG	J	U	30.3	MG/KG	UJ
COBALT		4.0	MG/KG	J		4.6	MG/KG	J		2.8	MG/KG	J	U	3.0	MG/KG	UJ
COPPER		5.8	MG/KG	J		5.1	MG/KG	J		10.8	MG/KG	J	U	30.3	MG/KG	UJ
IRON		14800	MG/KG	J		13000	MG/KG	J		8810	MG/KG	J		1160	MG/KG	J
LEAD		51.4	MG/KG	J		26.6	MG/KG	J		45.4	MG/KG	J		31.7	MG/KG	J
MAGNESIUM		18700	MG/KG	J		12100	MG/KG	J		12000	MG/KG	J		15800	MG/KG	J
MANGANESE		312	MG/KG	J		237	MG/KG	J		256	MG/KG	J		64.2	MG/KG	J
MERCURY	U	1.1	MG/KG	UJ	U	1.0	MG/KG	UJ	U	0.74	MG/KG	UJ	U	0.22	MG/KG	UJ
MOLYBDENUM	U	2.5	MG/KG	UJ	U	2.0	MG/KG	UJ	U	2.0	MG/KG	UJ	U	60.5	MG/KG	UJ
NICKEL		22.7	MG/KG	J		16.3	MG/KG	J		13.8	MG/KG	J		6.5	MG/KG	J
POTASSIUM		3760	MG/KG	J		2910	MG/KG	J		1520	MG/KG	J		399	MG/KG	J
SELENIUM	U	139	MG/KG	UJ	U	110	MG/KG	UJ	U	112	MG/KG	UJ	U	3.3	MG/KG	UJ
SILVER		2.7	MG/KG	J	U	1.5	MG/KG	UJ	U	1.5	MG/KG	UJ		2.4	MG/KG	J
SODIUM		315	MG/KG	J		326	MG/KG	J		222	MG/KG	J		185	MG/KG	J
THALLIUM	U	25.9	MG/KG	UJ	U	20.6	MG/KG	UJ	U	20.8	MG/KG	UJ		37.0	MG/KG	J
TIN		9.9	MG/KG	J	U	5.5	MG/KG	UJ	U	5.6	MG/KG	UJ		5.6	MG/KG	J

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Submittal Date: 08-Feb-94
Print Date: 01-FEB-94
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5129

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1992 RI/FS - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-01					06-02					06-03					06-04				
Sample ID:	100225					100226					100227					100228				
Sample Date:	05/04/92					05/04/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	7.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
CHROMIUM	U	200	UG/L	R	Y U	200	UG/L	R	Y U	26.1	UG/L	R	Y U	200	UG/L	R	Y
COBALT	U	20.0	UG/L	UJ	Y U	20.0	UG/L	UJ	Y U	20.0	UG/L	UJ	Y U	200	UG/L	UJ	Y
COPPER	U	200	UG/L	R	Y U	200	UG/L	R	Y	56.1	UG/L	R	Y U	200	UG/L	R	Y
IRON		558	UG/L	J	Y	1700	UG/L	J	Y	104	UG/L	J	Y	883	UG/L	J	Y
LEAD		461	UG/L	J	Y	291	UG/L	J	Y U	140	UG/L	UJ	Y	433	UG/L	J	Y
MAGNESIUM		114000	UG/L	J	Y	121000	UG/L	J	Y	889	UG/L	J	Y	727000	UG/L	J	Y
MANGANESE		1750	UG/L	J	Y	2140	UG/L	J	Y	10.9	UG/L	J	Y	2240	UG/L	J	Y
MERCURY	U	0.4	UG/L	UJ	Y U	0.4	UG/L	UJ	Y U	0.4	UG/L	U	Y U	0.4	UG/L	U	Y
MOLYBDENUM																	
NICKEL		77.5	UG/L	J	Y	51.3	UG/L	J	Y	12.7	UG/L	J	Y	114	UG/L	J	Y
POTASSIUM		4410	UG/L	J	Y	3950	UG/L	J	Y	1890	UG/L	J	Y	5810	UG/L	J	Y
SELENIUM	U	2200	UG/L	R	Y U	2200	UG/L	R	Y U	220	UG/L	R	Y U	2200	UG/L	R	Y
SILVER		40.9	UG/L	J	Y U	30.0	UG/L	UJ	Y U	30.0	UG/L	UJ	Y	37.3	UG/L	J	Y
SODIUM		80900	UG/L	J	Y	33600	UG/L	J	Y	29700	UG/L	J	Y	87600	UG/L	J	Y
THALLIUM		567	UG/L	J	Y U	410	UG/L	UJ	Y U	410	UG/L	UJ	Y	393	UG/L	J	Y
VANADIUM	U	300	UG/L	R	Y U	100	UG/L	R	Y U	10.0	UG/L	R	Y U	300	UG/L	R	Y
ZINC		514	UG/L	J	Y	1430	UG/L	J	Y	1240	UG/L	J	Y	1810	UG/L	J	Y
CYANIDE		0.029	MG/L	J	Y	0.018	MG/L	J	Y	0.006	MG/L	J	Y	0.008	MG/L	J	Y
SILICON																	

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1992 RI/FS - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-01					06-02					06-03					06-04				
Sample ID:	100225					100226					100227					100228				
Sample Date:	05/04/92					05/04/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	7.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VANADIUM	U	15.8	MG/KG	UJ		U	5.0	MG/KG	UJ		U	5.1	MG/KG	UJ		U	30.3	MG/KG	UJ	
ZINC		61.0	MG/KG	J			43.3	MG/KG	J			43.5	MG/KG	J			6.7	MG/KG	J	
AMMONIA, AS NITROGEN		40.9	MG/KG	J			141	MG/KG	J			44.1	MG/KG	J			11.5	MG/KG	J	
BROMIDE	U	382	MG/KG	UJ		U	249	MG/KG	UJ			366	MG/KG	J		U	73.8	MG/KG	UJ	
CHLORIDE		1990	MG/KG	J			2250	MG/KG	J			2170	MG/KG	J		U	295	MG/KG	UJ	
CYANIDE	U	1.74	MG/KG	UJ		U	1.38	MG/KG	UJ		U	3.22	MG/KG	UJ		U	0.42	MG/KG	UJ	
MOISTURE CONTENT																				
NITRATE/NITRITE		52.4	MG/KG	J			25.2	MG/KG	J			36.6	MG/KG	J		U	7.38	MG/KG	UJ	
OIL & GREASE	U	83	MG/KG	UJ		U	71	MG/KG	UJ		U	72	MG/KG	UJ		U	22	MG/KG	UJ	
SPECIFIC GRAVITY		1.037	S.U.	NV			1.228	S.U.	NV			1.485	S.U.	NV			1.950	S.U.	NV	
SULFATE	U	765	MG/KG	UJ		U	499	MG/KG	UJ		U	487	MG/KG	UJ			1610	MG/KG	J	
TOTAL KJELDAHL NITROGEN		653	MG/KG	J			653	MG/KG	J			429	MG/KG	J			348	MG/KG	J	
TOTAL ORGANIC CARBON		25400	MG/KG	J			13100	MG/KG	J			4180	MG/KG	J			3070	MG/KG	J	
TOTAL ORGANIC NITROGEN		612	MG/KG	J			512	MG/KG	J			385	MG/KG	J			337	MG/KG	J	
TOTAL PHOSPHORUS		3850	MG/KG	J			2320	MG/KG	J			2580	MG/KG	J			1420	MG/KG	J	
pH		13	S.U.	J			13	S.U.	J			13	S.U.	J			9	S.U.	J	
ALUMINUM		18100	UG/L	J	Y		15800	UG/L	J	Y		546	UG/L	J	Y		6200	UG/L	J	Y
ANTIMONY	U	110	UG/L	UJ	Y	U	110	UG/L	UJ	Y	U	110	UG/L	UJ	Y	U	110	UG/L	UJ	Y
ARSENIC		400	UG/L	J	Y		349	UG/L	J	Y	U	120	UG/L	UJ	Y		403	UG/L	J	Y
BARIUM		754	UG/L	J	Y		1470	UG/L	J	Y		1260	UG/L	J	Y		1560	UG/L	J	Y
BERYLLIUM		6.5	UG/L	J	Y		4.4	UG/L	J	Y	U	1.0	UG/L	UJ	Y		5.8	UG/L	J	Y
CADMIUM	U	10.0	UG/L	UJ	Y	U	10.0	UG/L	UJ	Y	U	10.0	UG/L	UJ	Y	U	10.0	UG/L	UJ	Y
CALCIUM		1350000	UG/L	J	Y		1470000	UG/L	J	Y		2080000	UG/L	J	Y		626000	UG/L	J	Y

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Print Date: 01-FEB-94
FEMP OU1RI-5 USEPA

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951 29

1992 RI/FS - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-05				06-06				06-07				06-08		
Sample ID:	100229				100230				100231				100232		
Sample Date:	05/05/92				05/05/92				05/04/92				05/05/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				6.0				6.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ALUMINUM		2420	MG/KG	J		11300	MG/KG	J		11700	MG/KG	J		19800	MG/KG	J
ANTIMONY	U	13.6	MG/KG	UJ	U	21.1	MG/KG	UJ	U	26.2	MG/KG	UJ	U	3.3	MG/KG	UJ
ARSENIC		62.9	MG/KG	J		76.7	MG/KG	J		65.8	MG/KG	J		34.5	MG/KG	J
BARIUM		20.1	MG/KG	J		54.6	MG/KG	J		51.8	MG/KG	J		71.7	MG/KG	J
BERYLLIUM		0.93	MG/KG	J		2.1	MG/KG	J		1.4	MG/KG	J		1.3	MG/KG	J
CADMIUM	U	12.3	MG/KG	UJ	U	1.9	MG/KG	UJ	U	2.4	MG/KG	UJ	U	3.0	MG/KG	UJ
CALCIUM		11700	MG/KG	J		38200	MG/KG	J		63200	MG/KG	J		87600	MG/KG	J
CHROMIUM	U	24.6	MG/KG	UJ	U	38.4	MG/KG	UJ	U	47.7	MG/KG	UJ	U	60.4	MG/KG	UJ
COBALT	U	24.6	MG/KG	UJ	U	3.8	MG/KG	UJ	U	4.8	MG/KG	UJ		1.8	MG/KG	J
COPPER	U	24.6	MG/KG	UJ	U	38.4	MG/KG	UJ	U	47.7	MG/KG	UJ	U	6.0	MG/KG	UJ
IRON		1270	MG/KG	J		7170	MG/KG	J		6820	MG/KG	J		12700	MG/KG	J
LEAD		87.4	MG/KG	J		113	MG/KG	J		89.7	MG/KG	J		54.9	MG/KG	J
MAGNESIUM		18600	MG/KG	J		20800	MG/KG	J		41900	MG/KG	J		32000	MG/KG	J
MANGANESE		28.4	MG/KG	J		108	MG/KG	J		108	MG/KG	J		175	MG/KG	J
MERCURY	U	0.19	MG/KG	UJ	U	0.35	MG/KG	UJ	U	0.48	MG/KG	UJ	U	0.55	MG/KG	UJ
MOLYBDENUM	U	49.3	MG/KG	UJ	U	76.7	MG/KG	UJ	U	95.4	MG/KG	UJ	U	12.1	MG/KG	UJ
NICKEL		10.2	MG/KG	J		20.8	MG/KG	J		16.6	MG/KG	J		17.6	MG/KG	J
POTASSIUM		873	MG/KG	J		3990	MG/KG	J		4080	MG/KG	J		6390	MG/KG	J
SELENIUM	U	271	MG/KG	UJ	U	422	MG/KG	UJ	U	525	MG/KG	UJ	U	664	MG/KG	UJ
SILVER		7.3	MG/KG	J		9.2	MG/KG	J		7.3	MG/KG	J		4.2	MG/KG	J
SODIUM		292	MG/KG	J		586	MG/KG	J		561	MG/KG	J		447	MG/KG	J
THALLIUM		85.7	MG/KG	J		108	MG/KG	J		98.3	MG/KG	J		27.9	MG/KG	J
TIN		14.0	MG/KG	J		21.5	MG/KG	J		14.3	MG/KG	J		9.9	MG/KG	J

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-05					06-06					06-07					06-08				
Sample ID:	100229					100230					100231					100232				
Sample Date:	05/05/92					05/05/92					05/04/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
CHROMIUM	U	1000	UG/L	R	Y U	1000	UG/L	R	Y U	200	UG/L	R	Y				
COBALT	U	200	UG/L	UJ	Y U	200	UG/L	UJ	Y U	200	UG/L	UJ	Y U	40.0	UG/L	UJ	Y
COPPER	U	1000	UG/L	R	Y U	1000	UG/L	R	Y U	200	UG/L	R	Y				
IRON		12800	UG/L	J	Y	1820	UG/L	J	Y	185	UG/L	J	Y	289	UG/L	J	Y
LEAD		1480	UG/L	J	Y	1160	UG/L	J	Y	474	UG/L	J	Y	545	UG/L	J	Y
MAGNESIUM		279000	UG/L	J	Y	261000	UG/L	J	Y	842000	UG/L	J	Y	704000	UG/L	J	Y
MANGANESE		1040	UG/L	J	Y	1530	UG/L	J	Y	278	UG/L	J	Y	799	UG/L	J	Y
MERCURY	U	0.4	UG/L	U	Y U	0.4	UG/L	UJ	Y U	0.4	UG/L	UJ	Y				
MOLYBDENUM																	
NICKEL		249	UG/L	J	Y	196	UG/L	J	Y	41.5	UG/L	J	Y	68.4	UG/L	J	Y
POTASSIUM		27200	UG/L	J	Y	32700	UG/L	J	Y	11800	UG/L	J	Y	16200	UG/L	J	Y
SELENIUM	U	11000	UG/L	R	Y U	2200	UG/L	R	Y U	2200	UG/L	R	Y				
SILVER		104	UG/L	J	Y	96.2	UG/L	J	Y	34.4	UG/L	J	Y	43.4	UG/L	J	Y
SODIUM		35400	UG/L	J	Y	96800	UG/L	J	Y	88100	UG/L	J	Y	85700	UG/L	J	Y
THALLIUM		1900	UG/L	J	Y	1380	UG/L	J	Y	363	UG/L	J	Y	483	UG/L	J	Y
VANADIUM	U	500	UG/L	R	Y U	500	UG/L	R	Y U	300	UG/L	R	Y				
ZINC		971	UG/L	J	Y	2260	UG/L	J	Y	1310	UG/L	J	Y	2600	UG/L	J	Y
CYANIDE	U	0.003	MG/L	UJ	Y	0.003	MG/L	J	Y U	0.003	MG/L	UJ	Y	0.013	MG/L	J	Y
SILICON																	

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Submittal Date: 08-Feb-94
Print Date: 01-FEB-94
FEMP OU1RI-5 USEPA

51129

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1992 RI/FS - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-05					06-06					06-07					06-08				
Sample ID:	100229					100230					100231					100232				
Sample Date:	05/05/92					05/05/92					05/04/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VANADIUM	U	123	MG/KG	UJ		U	95.9	MG/KG	UJ		U	119	MG/KG	UJ		U	30.2	MG/KG	UJ	
ZINC		10.5	MG/KG	J			32.6	MG/KG	J			28.4	MG/KG	J			40.7	MG/KG	J	
AMMONIA, AS NITROGEN		57.9	MG/KG	J			58.2	MG/KG	J			63.2	MG/KG	J			55.2	MG/KG	J	
BROMIDE	U	36.8	MG/KG	UJ		U	94.7	MG/KG	UJ		U	126	MG/KG	UJ		U	153	MG/KG	UJ	
CHLORIDE		266	MG/KG	J		U	379	MG/KG	UJ		U	506	MG/KG	UJ		U	613	MG/KG	UJ	
CYANIDE	U	2.12	MG/KG	UJ		U	2.06	MG/KG	UJ		U	2.5	MG/KG	UJ		U	2.08	MG/KG	UJ	
MOISTURE CONTENT																				
NITRATE/NITRITE	U	3.68	MG/KG	UJ		U	9.47	MG/KG	UJ		U	12.6	MG/KG	UJ		U	15.3	MG/KG	UJ	
OIL & GREASE		28	MG/KG	J			46	MG/KG	J		U	34	MG/KG	UJ		U	43	MG/KG	UJ	
SPECIFIC GRAVITY		2.198	S.U.	NV			1.023	S.U.	NV			3.017	S.U.	NV						
SULFATE	U	73.6	MG/KG	UJ			1230	MG/KG	J		U	253	MG/KG	UJ			1420	MG/KG	J	
TOTAL KJELDAHL NITROGEN		471	MG/KG	J			859	MG/KG	J			793	MG/KG	J			774	MG/KG	J	
TOTAL ORGANIC CARBON		2510	MG/KG	J			35000	MG/KG	J			10800	MG/KG	J			18800	MG/KG	J	
TOTAL ORGANIC NITROGEN		413	MG/KG	J			801	MG/KG	NV			730	MG/KG	J						
TOTAL PHOSPHORUS		572	MG/KG	J			1800	MG/KG	J			1460	MG/KG	J			1880	MG/KG	J	
pH		9	S.U.	J			7	S.U.	J			7	S.U.	J						
ALUMINUM		13300	UG/L	J	Y		19900	UG/L	J	Y		3500	UG/L	J	Y		4530	UG/L	J	Y
ANTIMONY	U	110	UG/L	UJ	Y U		110	UG/L	UJ	Y U		110	UG/L	UJ	Y U		220	UG/L	UJ	Y
ARSENIC		1350	UG/L	J	Y		1050	UG/L	J	Y		456	UG/L	J	Y		489	UG/L	J	Y
BARIUM		966	UG/L	J	Y		2730	UG/L	J	Y		1110	UG/L	J	Y		3220	UG/L	J	Y
BERYLLIUM		18.1	UG/L	J	Y		22.8	UG/L	J	Y		5.4	UG/L	J	Y		11.0	UG/L	J	Y
CADMIUM	U	100	UG/L	UJ	Y U		100	UG/L	UJ	Y U		10.0	UG/L	UJ	Y U		20.0	UG/L	UJ-	Y
CALCIUM		475000	UG/L	J	Y		1040000	UG/L	J	Y		387000	UG/L	J	Y		712000	UG/L	J	Y

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TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
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R = Rejected
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Submittal Date: 08-Feb-94
Print Date: 01-FEB-94
FEMP OU1RI-5 USEPA

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5129

1992 RI/FS - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-08					UNKNOWN		
Sample ID:	100232DL					100233		
Sample Date:	05/05/92					05/04/92		
Top Depth (ft):	N/A					N/A		
Bottom Depth (ft):	6.0					N/A		
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ TCLP
ALUMINUM						22800	MG/KG	J
ANTIMONY					U	8.1	MG/KG	UJ
ARSENIC						28.5	MG/KG	J
BARIUM						66.1	MG/KG	J
BERYLLIUM						1.5	MG/KG	J
CADMIUM					U	0.73	MG/KG	UJ
CALCIUM						122000	MG/KG	J
CHROMIUM						8.3	MG/KG	J
COBALT						5.4	MG/KG	J
COPPER						7.0	MG/KG	J
IRON						18300	MG/KG	J
LEAD						44.0	MG/KG	J
MAGNESIUM						18200	MG/KG	J
MANGANESE						318	MG/KG	J
MERCURY					U	1.34	MG/KG	UJ
MOLYBDENUM					U	2.9	MG/KG	UJ
NICKEL						22.6	MG/KG	J
POTASSIUM						5750	MG/KG	J
SELENIUM					U	161	MG/KG	UJ
SILVER						2.8	MG/KG	J
SODIUM						390	MG/KG	J
THALLIUM					U	30.1	MG/KG	UJ
TIN					U	8.1	MG/KG	UJ

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FEMP OU1RI-5 USEPA

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61 29

1992 RI/FS - Pit 6
Pit Material Inorganic Results

Well/Boring:	06-08					UNKNOWN				
Sample ID:	100232DL					100233				
Sample Date:	05/05/92					05/04/92				
Top Depth (ft):	N/A					N/A				
Bottom Depth (ft):	6.0					N/A				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHROMIUM	U	400	UG/L	UJ	Y	U	200	UG/L	R	Y
COBALT						U	20.0	UG/L	UJ	Y
COPPER	U	400	UG/L	UJ	Y	U	200	UG/L	R	Y
IRON							224	UG/L	J	Y
LEAD							498	UG/L	J	Y
MAGNESIUM							129000	UG/L	J	Y
MANGANESE							1960	UG/L	J	Y
MERCURY	U	0.06	UG/L	UJ	Y	U	0.4	UG/L	UJ	Y
MOLYBDENUM										
NICKEL							70.6	UG/L	J	Y
POTASSIUM							4810	UG/L	J	Y
SELENIUM	U	4400	UG/L	UJ	Y	U	2200	UG/L	R	Y
SILVER							40.3	UG/L	J	Y
SODIUM							79200	UG/L	J	Y
THALLIUM							619	UG/L	J	Y
VANADIUM	U	200	UG/L	UJ	Y	U	300	UG/L	R	Y
ZINC							779	UG/L	J	Y
CYANIDE							0.029	MG/L	J	Y
SILICON										

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FEMP OU1RI-5 USEPA

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Sample ID:		100232DL					100233			
Sample Date:		05/05/92					05/04/92			
Top Depth (ft):		N/A					N/A			
Bottom Depth (ft):		6.0					N/A			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VANADIUM						U	7.3	MG/KG	UJ	
ZINC							60.8	MG/KG	J	
AMMONIA, AS NITROGEN							48.2	MG/KG	J	
BROMIDE						U	328	MG/KG	UJ	
CHLORIDE							2080	MG/KG	J	
CYANIDE						U	2.02	MG/KG	UJ	
MOISTURE CONTENT										
NITRATE/NITRITE							55.4	MG/KG	J	
OIL & GREASE						U	104	MG/KG	UJ	
SPECIFIC GRAVITY							1.280	S.U.	NV	
SULFATE						U	656	MG/KG	UJ	
TOTAL KJELDAHL NITROGEN							1030	MG/KG	J	
TOTAL ORGANIC CARBON							19900	MG/KG	J	
TOTAL ORGANIC NITROGEN							982	MG/KG	J	
TOTAL PHOSPHORUS							3840	MG/KG	J	
pH							13	S.U.	J	
ALUMINUM							13500	UG/L	J	Y
ANTIMONY						U	110	UG/L	UJ	Y
ARSENIC							452	UG/L	J	Y
BARIUM							1020	UG/L	J	Y
BERYLLIUM							6.6	UG/L	J	Y
CADMIUM						U	10.0	UG/L	UJ	Y
CALCIUM							1350000	UG/L	J	Y

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FEMP OU1RI-5 USEPA

A.6.1.4

PIT 6
PIT MATERIAL
ORGANIC RESULTS

Characterization Investigation Study - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-03				06-02				06-01		
Sample ID:	PS-06-001				PS-06-011				PS-06-029				PS-06-030		
Sample Date:	04/03/87				04/06/87				04/07/87				04/07/87		
Top Depth (ft):	0.0				0.0				0				1.2		
Bottom Depth (ft):	5				15.0				4.0				4.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	44	UG/KG	U	U	64	UG/KG	UJ	U	41	UG/KG	UJ	U	33	UG/KG	UJ
4,4-DDE	U	44	UG/KG	U	U	64	UG/KG	UJ	U	41	UG/KG	UJ	U	33	UG/KG	UJ
4,4-DDT	U	44	UG/KG	U	U	64	UG/KG	UJ	U	41	UG/KG	UJ	U	33	UG/KG	UJ
ALDRIN	U	22	UG/KG	U	U	32	UG/KG	UJ	U	21	UG/KG	UJ	U	17	UG/KG	UJ
ALPHA-BHC	U	22	UG/KG	U	U	32	UG/KG	UJ	U	21	UG/KG	UJ	U	17	UG/KG	UJ
AROCLOR 1016	U	220	UG/KG	U	U	320	UG/KG	UJ	U	210	UG/KG	UJ	U	170	UG/KG	UJ
AROCLOR 1221	U	220	UG/KG	U	U	320	UG/KG	UJ	U	210	UG/KG	UJ	U	170	UG/KG	UJ
AROCLOR 1232	U	220	UG/KG	U	U	320	UG/KG	UJ	U	210	UG/KG	UJ	U	170	UG/KG	UJ
AROCLOR 1242	U	220	UG/KG	U	U	320	UG/KG	UJ	U	210	UG/KG	UJ	U	170	UG/KG	UJ
AROCLOR 1248	U	220	UG/KG	U	U	320	UG/KG	UJ	U	210	UG/KG	UJ	U	170	UG/KG	UJ
AROCLOR 1254	J	81	UG/KG	J	U	640	UG/KG	UJ	U	410	UG/KG	UJ	U	330	UG/KG	UJ
AROCLOR 1260	U	440	UG/KG	U	U	640	UG/KG	UJ	U	410	UG/KG	UJ	U	330	UG/KG	UJ
BETA-BHC	U	22	UG/KG	U	U	32	UG/KG	UJ	U	21	UG/KG	UJ	U	17	UG/KG	UJ
CHLORDANE	U	220	UG/KG	U	U	320	UG/KG	UJ	U	210	UG/KG	UJ	U	170	UG/KG	UJ
DELTA-BHC	U	22	UG/KG	U	U	32	UG/KG	UJ	U	21	UG/KG	UJ	U	17	UG/KG	UJ
DIELDRIN	U	44	UG/KG	U	U	64	UG/KG	UJ	U	41	UG/KG	UJ	U	33	UG/KG	UJ
ENDOSULFAN I	U	22	UG/KG	U	U	32	UG/KG	UJ	U	21	UG/KG	UJ	U	17	UG/KG	UJ
ENDOSULFAN II	U	44	UG/KG	U	U	64	UG/KG	UJ	U	41	UG/KG	UJ	U	33	UG/KG	UJ
ENDOSULFAN SULFATE	U	44	UG/KG	U	U	64	UG/KG	UJ	U	41	UG/KG	UJ	U	33	UG/KG	UJ
ENDRIN	U	44	UG/KG	U	U	64	UG/KG	UJ	U	41	UG/KG	UJ	U	33	UG/KG	UJ
ENDRIN KETONE	U	44	UG/KG	U	U	64	UG/KG	UJ	U	41	UG/KG	UJ	U	33	UG/KG	UJ
GAMMA-BHC(Lindane)	U	22	UG/KG	U	U	32	UG/KG	UJ	U	21	UG/KG	UJ	U	17	UG/KG	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

-5129

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Characterization Investigation Study - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-03				06-02				06-01		
Sample ID:	PS-06-001				PS-06-011				PS-06-029				PS-06-030		
Sample Date:	04/03/87				04/06/87				04/07/87				04/07/87		
Top Depth (ft):	0.0				0.0				0				1.2		
Bottom Depth (ft):	5				15.0				4.0				4.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	22	UG/KG	U	U	32	UG/KG	UJ	U	21	UG/KG	UJ	U	17	UG/KG	UJ
HEPTACHLOR EPOXIDE	U	22	UG/KG	U	U	32	UG/KG	UJ	U	21	UG/KG	UJ	U	17	UG/KG	UJ
METHOXYCHLOR	U	220	UG/KG	U	U	320	UG/KG	UJ	U	210	UG/KG	UJ	U	170	UG/KG	UJ
TOXAPHENE	U	440	UG/KG	U	U	640	UG/KG	UJ	U	420	UG/KG	U	U	330	UG/KG	UJ
1,2,4-TRICHLOROBENZENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
1,2-DICHLOROBENZENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
1,3-DICHLOROBENZENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
1,4-DICHLOROBENZENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	2500	UG/KG	U	U	6400	UG/KG	U	U	850	UG/KG	U	U	3300	UG/KG	U
2,4,6-TRICHLOROPHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2,4-DICHLOROPHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2,4-DIMETHYLPHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2,4-DINITROPHENOL	U	2500	UG/KG	UJ	U	6400	UG/KG	UJ	U	4100	UG/KG	U	U	3300	UG/KG	UJ
2,4-DINITROTOLUENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2,6-DINITROTOLUENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2-CHLORONAPHTHALENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2-CHLOROPHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2-METHYLNAPHTHALENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2-METHYLPHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
2-NITROANILINE	U	2500	UG/KG	U	U	6400	UG/KG	U	U	850	UG/KG	U	U	3300	UG/KG	U
2-NITROPHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
3,3-DICHLOROBENZIDINE	U	1000	UG/KG	U	U	2600	UG/KG	U	U	1700	UG/KG	U	U	1400	UG/KG	U

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FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-03				06-02				06-01		
Sample ID:	PS-06-001				PS-06-011				PS-06-029				PS-06-030		
Sample Date:	04/03/87				04/06/87				04/07/87				04/07/87		
Top Depth (ft):	0.0				0.0				0				1.2		
Bottom Depth (ft):	5				15.0				4.0				4.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	2500	UG/KG	U	U	6400	UG/KG	UJ	U	4100	UG/KG	U	U	3300	UG/KG	UJ
4,6-DINITRO-2-METHYLPHENOL	U	2500	UG/KG	UJ	U	6400	UG/KG	U	U	4100	UG/KG	U	U	3300	UG/KG	U
4-BROMOPHENYL PHENYL ETHER	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
4-CHLOROANILINE	U	500	UG/KG	U	U	1300	UG/KG	UJ	U	850	UG/KG	UJ	U	690	UG/KG	UJ
4-CHLOROPHENOL PHENYL ETHER	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
4-METHYLPHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
4-NITROANILINE	U	2500	UG/KG	U	U	6400	UG/KG	U	U	4100	UG/KG	U	U	3300	UG/KG	U
4-NITROPHENOL	U	2500	UG/KG	U	U	6400	UG/KG	U	U	4100	UG/KG	U	U	3300	UG/KG	U
ACENAPHTHENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
ACENAPHTHYLENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
ANTHRACENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
BENZO(A)ANTHRACENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
BENZO(A)PYRENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
BENZO(B)FLUORANTHENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
BENZO(G,H,I)PERYLENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
BENZO(K)FLUORANTHENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
BENZOIC ACID	U	2500	UG/KG	R	U	6400	UG/KG	U	U	4100	UG/KG	U	U	3300	UG/KG	U
BENZYL ALCOHOL	U	500	UG/KG	U	U	1300	UG/KG	UJ	U	850	UG/KG	UJ	U	690	UG/KG	UJ
BIS(2-CHLOROETHOXY)METHANE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
BIS(2-CHLOROISOPROPYL)ETHER	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-03				06-02				06-01			
Sample ID:	PS-06-001				PS-06-011				PS-06-029				PS-06-030			
Sample Date:	04/03/87				04/06/87				04/07/87				04/07/87			
Top Depth (ft):	0.0				0.0				0				1.2			
Bottom Depth (ft):	5				15.0				4.0				4.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL) PHTHALATE	J	410	UG/KG	J	J	910	UG/KG	J	U	850	UG/KG	U	U	690	UG/KG	U
BIS(CHLOROMETHYL) ETHER																
BUTYL BENZYL PHTHALATE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
C-10 UNK HYDROCARBON																
CHRYSENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
DI-N-BUTYLPHTHALATE	U	500	UG/KG	UJ	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
DI-N-OCTYLPHTHALATE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
DIBENZO(A,H) ANTHRACENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
DIBENZOFURAN	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
DIETHYL PHTHALATE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
DIMETHYL PHTHALATE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
DIPROPYLAMINE																
FLUORANTHENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
FLUORENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
HEXACHLOROBENZENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
HEXACHLOROBUTADIENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	500	UG/KG	R	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
HEXACHLOROETHANE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
INDENO(1,2,3-CD) PYRENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
ISOPHORONE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
N-NITROSO-DI-N-PROPYLAMINE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
N-NITROSODIPHENYLAMINE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U

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Characterization Investigation Study - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-03				06-02				06-01		
Sample ID:	PS-06-001				PS-06-011				PS-06-029				PS-06-030		
Sample Date:	04/03/87				04/06/87				04/07/87				04/07/87		
Top Depth (ft):	0.0				0.0				0				1.2		
Bottom Depth (ft):	5				15.0				4.0				4.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
NITROBENZENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
PENTACHLOROPHENOL	U	2500	UG/KG	U	U	6400	UG/KG	U	U	4100	UG/KG	U	U	3300	UG/KG	U
PHENANTHRENE	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
PHENOL	U	500	UG/KG	U	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
PYRENE	U	500	UG/KG	R	U	1300	UG/KG	U	U	850	UG/KG	U	U	690	UG/KG	U
1,1,1-TRICHLOROETHANE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
1,1,2,2-TETRACHLOROETHANE	U	240	UG/KG	U	U	1500	UG/KG	U	U	1200	UG/KG	U	U	1900	UG/KG	U
1,1,2-TRICHLOROETHANE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
1,1-DICHLOROETHANE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
1,1-DICHLOROETHENE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
1,2-DICHLOROETHANE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
1,2-DICHLOROETHENE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
1,2-DICHLOROPROPANE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
1,2-DICHLOROPROPENE																
1,3-DICHLOROPROPENE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
1,3-DICHLOROPROPYLENE																
2-BUTANONE		530	UG/KG	J	BJ	1500	UG/KG	U	BJ	1200	UG/KG	U	B	1900	UG/KG	U
2-CHLOROETHYL VINYL ETHER	U	470	UG/KG	R												
2-HEXANONE	U	470	UG/KG	UJ	U	1500	UG/KG	U	U	1200	UG/KG	U	U	1900	UG/KG	U
4-METHYL-2-PENTANONE	U	470	UG/KG	U												
4-METHYLPHENOLPROPHYL ETHER																

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-03				06-02				06-01		
Sample ID:	PS-06-001				PS-06-011				PS-06-029				PS-06-030		
Sample Date:	04/03/87				04/06/87				04/07/87				04/07/87		
Top Depth (ft):	0.0				0.0				0				1.2		
Bottom Depth (ft):	5				15.0				4.0				4.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	U	470	UG/KG	R	BJ	1500	UG/KG	U	BJ	1200	UG/KG	U	BJ	1900	UG/KG	U
ACROLEIN																
ACRYLONITRILE																
BENZENE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
BROMODICHLOROMETHANE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
BROMOFORM	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
BROMOMETHANE	U	470	UG/KG	UJ	U	1500	UG/KG	U	U	1200	UG/KG	U	U	1900	UG/KG	U
BUTANOIC ACID, METHYL ESTER									J	6	UG/KG	NJ	J	5	UG/KG	NJ
CARBON DISULFIDE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
CARBON TETRACHLORIDE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
CHLOROBENZENE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
CHLOROETHANE	U	470	UG/KG	U	U	1500	UG/KG	U	U	1200	UG/KG	U	U	1900	UG/KG	U
CHLOROFORM	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
CHLOROMETHANE	U	470	UG/KG	U	U	1500	UG/KG	U	U	1200	UG/KG	U	U	1900	UG/KG	U
DIBROMOCHLOROMETHANE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
DICHLORODIFLUOROMETHANE																
ETHYLBENZENE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
METHYLENE CHLORIDE		280	UG/KG	J	BJ	760	UG/KG	U	U	610	UG/KG	R	B	980	UG/KG	U
STYRENE	U	240	UG/KG	U	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
TETRACHLOROETHENE		29000	UG/KG	-		24000	UG/KG	-		770	UG/KG	-		4100	UG/KG	-
TOLUENE	U	240	UG/KG	U	BJ	1500	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
TOTAL XYLENE	U	240	UG/KG	U	U	670	UG/KG	U	J	610	UG/KG	U	J	750	UG/KG	U

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Characterization Investigation Study - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-03				06-02				06-01			
Sample ID:	PS-06-001				PS-06-011				PS-06-029				PS-06-030			
Sample Date:	04/03/87				04/06/87				04/07/87				04/07/87			
Top Depth (ft):	0.0				0.0				0				1.2			
Bottom Depth (ft):	5				15.0				4.0				4.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
TRANS-1,2-DICHLOROETHENE	U	240	UG/KG	U												
TRICHLOROETHENE	J	170	UG/KG	J	U	760	UG/KG	U	U	610	UG/KG	U	U	930	UG/KG	U
VINYL ACETATE	U	470	UG/KG	U	U	1500	UG/KG	U	U	1200	UG/KG	U	U	1900	UG/KG	U
VINYL CHLORIDE	U	470	UG/KG	U	U	1500	UG/KG	U	U	1200	UG/KG	U	U	1900	UG/KG	U

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Submittal Date: 04-Feb-94
Print Date: 13-JAN-94
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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01				06-02				06-03				06-04			
Sample ID:	100225				100226				100227				100228			
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	7.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4,5-T	U	11.18	UG/KG	R	U	11.00	UG/KG	R	U	13.27	UG/KG	R	U	5.52	UG/KG	R
2,4,5-TP (SILVEX)	U	11.18	UG/KG	R	U	11.00	UG/KG	R	U	13.27	UG/KG	R	U	5.52	UG/KG	R
2,4-D	U	56.0	UG/KG	R	U	55.0	UG/KG	R	U	66.0	UG/KG	R	U	28.0	UG/KG	R
DINOSEB	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
DIMETHOATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
DISULFOTON	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
FAMPHUR	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PARATHION	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
4,4-DDD	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
4,4-DDE	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
4,4-DDT	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
ALDRIN	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
ALPHA-BHC	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
ALPHA-CHLORDANE	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
AROCLOR 1016	U	290	UG/KG	R	U	230	UG/KG	R	U	230	UG/KG	R	U	66	UG/KG	R
AROCLOR 1221	U	290	UG/KG	R	U	230	UG/KG	R	U	230	UG/KG	R	U	66	UG/KG	R
AROCLOR 1232	U	290	UG/KG	R	U	230	UG/KG	R	U	230	UG/KG	R	U	66	UG/KG	R
AROCLOR 1242	U	290	UG/KG	R	U	230	UG/KG	R	U	230	UG/KG	R	U	66	UG/KG	R
AROCLOR 1248	U	290	UG/KG	R	U	230	UG/KG	R	U	230	UG/KG	R	U	66	UG/KG	R
AROCLOR 1254	U	290	UG/KG	R	U	230	UG/KG	R	U	230	UG/KG	R	U	66	UG/KG	R
AROCLOR 1260	U	290	UG/KG	R	U	230	UG/KG	R	U	230	UG/KG	R	U	66	UG/KG	R
BETA-BHC	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
CHLORDANE	U	230	UG/KG	R	U	180	UG/KG	R	U	180	UG/KG	R	U	53	UG/KG	R

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TCLP = Toxicity Characteristic Leaching Procedure
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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4,5-T					U	4.07	UG/KG	R					U	6.29	UG/KG	R
2,4,5-TP (SILVEX)					U	4.07	UG/KG	R					U	6.29	UG/KG	R
2,4-D					U	20.0	UG/KG	R					U	31.0	UG/KG	R
DINOSEB					U	1100	UG/KG	R					U	1800	UG/KG	R
DIMETHOATE					U	230	UG/KG	R					U	350	UG/KG	R
DISULFOTON					U	230	UG/KG	R					U	350	UG/KG	R
FAMPHUR					U	230	UG/KG	R					U	350	UG/KG	R
PARATHION					U	230	UG/KG	R					U	350	UG/KG	R
4,4-DDD					U	4.5	UG/KG	R					U	7.0	UG/KG	R
4,4-DDE					U	4.5	UG/KG	R					U	7.0	UG/KG	R
4,4-DDT					U	4.5	UG/KG	R					U	7.0	UG/KG	R
ALDRIN					U	2.3	UG/KG	R					U	3.5	UG/KG	R
ALPHA-BHC					U	2.3	UG/KG	R					U	3.5	UG/KG	R
ALPHA-CHLORDANE					U	2.3	UG/KG	R					U	3.5	UG/KG	R
AROCLOR 1016					U	56	UG/KG	R					U	87	UG/KG	R
AROCLOR 1221					U	56	UG/KG	R					U	87	UG/KG	R
AROCLOR 1232					U	56	UG/KG	R					U	87	UG/KG	R
AROCLOR 1242					U	56	UG/KG	R					U	87	UG/KG	R
AROCLOR 1248					U	56	UG/KG	R					U	87	UG/KG	R
AROCLOR 1254					U	56	UG/KG	R					U	87	UG/KG	R
AROCLOR 1260					U	56	UG/KG	R					U	87	UG/KG	R
BETA-BHC					U	2.3	UG/KG	R					U	3.5	UG/KG	R
CHLORDANE					U	45	UG/KG	R					U	70	UG/KG	R

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1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-06					06-07					06-08					UNKNOWN			
Sample ID:		100230RE					100231					100232					100233			
Sample Date:		05/05/92					05/04/92					05/05/92					05/04/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					N/A			
2,4,5-T						U	7.52	UG/KG		R						U	13.31	UG/KG		R
2,4,5-TP (SILVEX)						U	7.52	UG/KG		R						U	13.31	UG/KG		R
2,4-D						U	38.0	UG/KG		R						U	67.0	UG/KG		R
DINOSEB						U	2200	UG/KG		R						U	6700	UG/KG		R
DIMETHOATE						U	440	UG/KG		R						U	1300	UG/KG		R
DISULFOTON						U	440	UG/KG		R						U	1300	UG/KG		R
FAMPHUR						U	440	UG/KG		R						U	1300	UG/KG		R
PARATHION						U	440	UG/KG		R						U	1300	UG/KG		R
4,4-DDD						U	8.6	UG/KG		R						U	27	UG/KG		R
4,4-DDE						U	8.6	UG/KG		R						U	27	UG/KG		R
4,4-DDT						U	8.6	UG/KG		R						U	27	UG/KG		R
ALDRIN						U	4.3	UG/KG		R						U	13	UG/KG		R
ALPHA-BHC						U	4.3	UG/KG		R						U	13	UG/KG		R
ALPHA-CHLORDANE						U	4.3	UG/KG		R						U	13	UG/KG		R
AROCLOR 1016						U	110	UG/KG		R						U	340	UG/KG		R
AROCLOR 1221						U	110	UG/KG		R						U	340	UG/KG		R
AROCLOR 1232						U	110	UG/KG		R						U	340	UG/KG		R
AROCLOR 1242						U	110	UG/KG		R						U	340	UG/KG		R
AROCLOR 1248						U	110	UG/KG		R						U	340	UG/KG		R
AROCLOR 1254						U	110	UG/KG		R						U	340	UG/KG		R
AROCLOR 1260						U	110	UG/KG		R						U	340	UG/KG		R
BETA-BHC						U	4.3	UG/KG		R						U	13	UG/KG		R
CHLORDANE						U	86	UG/KG		R						U	270	UG/KG		R

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Submittal Date: 08-Feb-94
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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01				06-02				06-03				06-04		
Sample ID:	100225				100226				100227				100228		
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	7.0				6.0				6.0				6.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
DELTA-BHC	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
DIELDRIN	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
ENDOSULFAN I	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
ENDOSULFAN II	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
ENDOSULFAN SULFATE	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
ENDRIN	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
ENDRIN ALDEHYDE	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
ENDRIN KETONE	U	23	UG/KG	R	U	18	UG/KG	R	U	18	UG/KG	R	U	5.3	UG/KG	R
GAMMA-BHC(Lindane)	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
GAMMA-CHLORDANE	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
HEPTACHLOR	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
HEPTACHLOR EPOXIDE	U	12	UG/KG	R	U	9.1	UG/KG	R	U	9.2	UG/KG	R	U	2.6	UG/KG	R
METHOXYCHLOR	U	120	UG/KG	R	U	91	UG/KG	R	U	92	UG/KG	R	U	26	UG/KG	R
TOXAPHENE	U	1160	UG/KG	R	U	910	UG/KG	R	U	920	UG/KG	R	U	260	UG/KG	R
1,2,4,5-TETRACHLOROBENZENE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
1,2,4-TRICHLOROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
1,2-DICHLOROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
1,3,5-TRINITROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
1,3-DICHLOROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
1,3-DINITROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
1,4-DICHLOROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
1,4-NAPHTHOQUINONE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
1-NAPHTHYLAMINE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
DELTA-BHC					U	2.3	UG/KG	R					U	3.5	UG/KG	R
DIELDRIN					U	4.5	UG/KG	R					U	7.0	UG/KG	R
ENDOSULFAN I					U	2.3	UG/KG	R					U	3.5	UG/KG	R
ENDOSULFAN II					U	4.5	UG/KG	R					U	7.0	UG/KG	R
ENDOSULFAN SULFATE					U	4.5	UG/KG	R					U	7.0	UG/KG	R
ENDRIN					U	4.5	UG/KG	R					U	7.0	UG/KG	R
ENDRIN ALDEHYDE					U	4.5	UG/KG	R					U	7.0	UG/KG	R
ENDRIN KETONE					U	4.5	UG/KG	R					U	7.0	UG/KG	R
GAMMA-BHC(Lindane)					U	2.3	UG/KG	R					U	3.5	UG/KG	R
GAMMA-CHLORDANE					U	2.3	UG/KG	R					U	3.5	UG/KG	R
HEPTACHLOR					U	2.3	UG/KG	R					U	3.5	UG/KG	R
HEPTACHLOR EPOXIDE					U	2.3	UG/KG	R					U	3.5	UG/KG	R
METHOXYCHLOR					U	23	UG/KG	R					U	35	UG/KG	R
TOXAPHENE					U	230	UG/KG	R					U	1800	UG/KG	R
1,2,4,5-TETRACHLOROBENZENE					U	1100	UG/KG	R					U	350	UG/KG	R
1,2,4-TRICHLOROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
1,2-DICHLOROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
1,3,5-TRINITROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
1,3-DICHLOROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
1,3-DINITROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
1,4-DICHLOROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
1,4-NAPHTHOQUINONE					U	1100	UG/KG	R					U	1800	UG/KG	R
1-NAPHTHYLAMINE																

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-06				06-07				06-08				UNKNOWN			
Sample ID:	100230RE				100231				100232				100233			
Sample Date:	05/05/92				05/04/92				05/05/92				05/04/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
DELTA-BHC					U	4.3	UG/KG	R					U	13	UG/KG	R
DIELDRIN					U	8.6	UG/KG	R					U	27	UG/KG	R
ENDOSULFAN I					U	4.3	UG/KG	R					U	13	UG/KG	R
ENDOSULFAN II					U	8.6	UG/KG	R					U	27	UG/KG	R
ENDOSULFAN SULFATE					U	8.6	UG/KG	R					U	27	UG/KG	R
ENDRIN					U	8.6	UG/KG	R					U	27	UG/KG	R
ENDRIN ALDEHYDE					U	8.6	UG/KG	R					U	27	UG/KG	R
ENDRIN KETONE					U	8.6	UG/KG	R					U	27	UG/KG	R
GAMMA-BHC(Lindane)					U	4.3	UG/KG	R					U	13	UG/KG	R
GAMMA-CHLORDANE					U	4.3	UG/KG	R					U	13	UG/KG	R
HEPTACHLOR					U	4.3	UG/KG	R					U	13	UG/KG	R
HEPTACHLOR EPOXIDE					U	4.3	UG/KG	R					U	13	UG/KG	R
METHOXYCHLOR					U	43	UG/KG	R					U	130	UG/KG	R
TOXAPHENE					U	430	UG/KG	R					U	1340	UG/KG	R
1,2,4,5-TETRACHLOROBENZENE					U	2200	UG/KG	R					U	6700	UG/KG	R
1,2,4-TRICHLOROBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
1,2-DICHLOROBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
1,3,5-TRINITROBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
1,3-DICHLOROBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
1,3-DINITROBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
1,4-DICHLOROBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
1,4-NAPHTHOQUINONE					U	440	UG/KG	R					U	1300	UG/KG	R
1-NAPHTHYLAMINE					U	2200	UG/KG	R					U	6700	UG/KG	R

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01				06-02				06-03				06-04			
Sample ID:	100225				100226				100227				100228			
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	7.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,3,4,6-TETRACHLOROPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2,4,5-TRICHLOROPHENOL	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
2,4,6-TRICHLOROPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2,4-DICHLOROPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2,4-DIMETHYLPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2,4-DINITROPHENOL	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
2,4-DINITROTOLUENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2,6-DICHLOROPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2,6-DINITROTOLUENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2-ACETYLAMINOFLUORENE	U	2300	UG/KG	R	U	1800	UG/KG	R	U	1900	UG/KG	R	U	550	UG/KG	R
2-CHLORONAPHTHALENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2-CHLOROPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2-METHYLNAPHTHALENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2-METHYLPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2-NAPHTHYLAMINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2-NITROANILINE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
2-NITROPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
2-PICOLINE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
3,3-DICHLOROBENZIDINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
3-METHYLCHOLANTHRENE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
3-METHYLPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
3-NITROANILINE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
4,6-DINITRO-2-METHYLPHENOL	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,3,4,6-TETRACHLOROPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
2,4,5-TRICHLOROPHENOL					U	1100	UG/KG	R					U	1800	UG/KG	R
2,4,6-TRICHLOROPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
2,4-DICHLOROPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
2,4-DIMETHYLPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
2,4-DINITROPHENOL					U	1100	UG/KG	R					U	1800	UG/KG	R
2,4-DINITROTOLUENE					U	230	UG/KG	R					U	350	UG/KG	R
2,6-DICHLOROPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
2,6-DINITROTOLUENE					U	230	UG/KG	R					U	350	UG/KG	R
2-ACETYLAMINOFLUORENE					U	450	UG/KG	R					U	700	UG/KG	R
2-CHLORONAPHTHALENE					U	230	UG/KG	R					U	350	UG/KG	R
2-CHLOROPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
2-METHYLNAPHTHALENE					U	230	UG/KG	R					U	350	UG/KG	R
2-METHYLPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
2-NAPHTHYLAMINE					U	230	UG/KG	R					U	350	UG/KG	R
2-NITROANILINE					U	1100	UG/KG	R					U	1800	UG/KG	R
2-NITROPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
2-PICOLINE					U	1100	UG/KG	R					U	1800	UG/KG	R
3,3-DICHLOROBENZIDINE					U	230	UG/KG	R					U	350	UG/KG	R
3-METHYLCHOLANTHRENE					U	1100	UG/KG	R					U	1800	UG/KG	R
3-METHYLPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
3-NITROANILINE					U	1100	UG/KG	R					U	1800	UG/KG	R
4,6-DINITRO-2-METHYLPHENOL					U	1100	UG/KG	R					U	1800	UG/KG	R

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1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-06					06-07					06-08					UNKNOWN			
Sample ID:		100230RE					100231					100232					100233			
Sample Date:		05/05/92					05/04/92					05/05/92					05/04/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					N/A			
2,3,4,6-TETRACHLOROPHENOL						U	440	UG/KG		R						U	1300	UG/KG		R
2,4,5-TRICHLOROPHENOL						U	2200	UG/KG		R						U	6700	UG/KG		R
2,4,6-TRICHLOROPHENOL						U	440	UG/KG		R						U	1300	UG/KG		R
2,4-DICHLOROPHENOL						U	440	UG/KG		R						U	1300	UG/KG		R
2,4-DIMETHYLPHENOL						U	440	UG/KG		R						U	1300	UG/KG		R
2,4-DINITROPHENOL						U	2200	UG/KG		R						U	6700	UG/KG		R
2,4-DINITROTOLUENE						U	440	UG/KG		R						U	1300	UG/KG		R
2,6-DICHLOROPHENOL						U	440	UG/KG		R						U	1300	UG/KG		R
2,6-DINITROTOLUENE						U	440	UG/KG		R						U	1300	UG/KG		R
2-ACETYLAMINOFLUORENE						U	870	UG/KG		R						U	2700	UG/KG		R
2-CHLORONAPHTHALENE						U	440	UG/KG		R						U	1300	UG/KG		R
2-CHLOROPHENOL						U	440	UG/KG		R						U	1300	UG/KG		R
2-METHYLNAPHTHALENE						U	440	UG/KG		R						U	1300	UG/KG		R
2-METHYLPHENOL						U	440	UG/KG		R						U	1300	UG/KG		R
2-NAPHTHYLAMINE						U	440	UG/KG		R						U	1300	UG/KG		R
2-NITROANILINE						U	2200	UG/KG		R						U	6700	UG/KG		R
2-NITROPHENOL						U	440	UG/KG		R						U	1300	UG/KG		R
2-PICOLINE						U	2200	UG/KG		R						U	6700	UG/KG		R
3,3-DICHLOROBENZIDINE						U	440	UG/KG		R						U	1300	UG/KG		R
3-METHYLCHOLANTHRENE						U	2200	UG/KG		R						U	6700	UG/KG		R
3-METHYLPHENOL						U	2200	UG/KG		R						U	6700	UG/KG		R
3-NITROANILINE						U	2200	UG/KG		R						U	6700	UG/KG		R
4,6-DINITRO-2-METHYLPHENOL																				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01				06-02				06-03				06-04			
Sample ID:	100225				100226				100227				100228			
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	7.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
4-BROMOPHENYL PHENYL ETHER	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
4-CHLORO-3-METHYLPHENOL	U	2300	UG/KG	R	U	1800	UG/KG	R	U	1900	UG/KG	R	U	550	UG/KG	R
4-CHLOROANILINE	U	2300	UG/KG	R	U	1800	UG/KG	R	U	1900	UG/KG	R	U	550	UG/KG	R
4-CHLOROPHENOL PHENYL ETHER	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
4-METHYLPHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
4-NITROANILINE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
4-NITROPHENOL	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
4-NITROQUINOLINE 1-OXIDE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
5-NITRO-O-TOLUIDINE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
7,12-DIMETHYLBENZ(A)ANTHRACENE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ACENAPHTHENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ACENAPHTHYLENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ACETOPHENONE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ANILINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ANTHRACENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BENZO(A)ANTHRACENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BENZO(A)PYRENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BENZO(B)FLUORANTHENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BENZO(G,H,I)PERYLENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BENZO(K)FLUORANTHENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BENZOIC ACID	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06		
Sample ID:	100228RE				100229				100229RE				100230		
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				6.0				6.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL					U	230	UG/KG	R					U	350	UG/KG	R
4-BROMOPHENYL PHENYL ETHER					U	230	UG/KG	R					U	350	UG/KG	R
4-CHLORO-3-METHYLPHENOL					U	450	UG/KG	R					U	700	UG/KG	R
4-CHLOROANILINE					U	450	UG/KG	R					U	700	UG/KG	R
4-CHLOROPHENOL PHENYL ETHER					U	230	UG/KG	R					U	350	UG/KG	R
4-METHYLPHENOL					U	230	UG/KG	R					U	350	UG/KG	R
4-NITROANILINE					U	1100	UG/KG	R					U	1800	UG/KG	R
4-NITROPHENOL					U	1100	UG/KG	R					U	1800	UG/KG	R
4-NITROQUINOLINE 1-OXIDE					U	230	UG/KG	R					U	350	UG/KG	R
5-NITRO-O-TOLUIDINE					U	1100	UG/KG	R					U	1800	UG/KG	R
7,12-DIMETHYLBENZ(A)ANTHRACENE					U	1100	UG/KG	R					U	1800	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE					U	230	UG/KG	R					U	350	UG/KG	R
ACENAPHTHENE					U	230	UG/KG	R					U	350	UG/KG	R
ACENAPHTHYLENE					U	230	UG/KG	R					U	350	UG/KG	R
ACETOPHENONE					U	230	UG/KG	R					U	350	UG/KG	R
ANILINE					U	230	UG/KG	R					U	350	UG/KG	R
ANTHRACENE					U	230	UG/KG	R					U	350	UG/KG	R
BENZO(A)ANTHRACENE					U	230	UG/KG	R					U	350	UG/KG	R
BENZO(A)PYRENE					U	230	UG/KG	R					U	350	UG/KG	R
BENZO(B)FLUORANTHENE					U	230	UG/KG	R					U	350	UG/KG	R
BENZO(G,H,I)PERYLENE					U	230	UG/KG	R					U	350	UG/KG	R
BENZO(K)FLUORANTHENE					U	230	UG/KG	R					U	350	UG/KG	R
BENZOIC ACID					U	1100	UG/KG	R					U	1800	UG/KG	R

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-06				06-07				06-08				UNKNOWN			
Sample ID:	100230RE				100231				100232				100233			
Sample Date:	05/05/92				05/04/92				05/05/92				05/04/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL					U	440	UG/KG	R					U	1300	UG/KG	R
4-BROMOPHENYL PHENYL ETHER					U	440	UG/KG	R					U	1300	UG/KG	R
4-CHLORO-3-METHYLPHENOL					U	870	UG/KG	R					U	2700	UG/KG	R
4-CHLOROANILINE					U	870	UG/KG	R					U	2700	UG/KG	R
4-CHLOROPHENOL PHENYL ETHER					U	440	UG/KG	R					U	1300	UG/KG	R
4-METHYLPHENOL					U	440	UG/KG	R					U	1300	UG/KG	R
4-NITROANILINE					U	2200	UG/KG	R					U	6700	UG/KG	R
4-NITROPHENOL					U	2200	UG/KG	R					U	6700	UG/KG	R
4-NITROQUINOLINE 1-OXIDE					U	440	UG/KG	R					U	1300	UG/KG	R
5-NITRO-O-TOLUIDINE					U	2200	UG/KG	R					U	6700	UG/KG	R
7,12-DIMETHYLBENZ(A)ANTHRACENE					U	2200	UG/KG	R					U	6700	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE					U	440	UG/KG	R					U	1300	UG/KG	R
ACENAPHTHENE					U	440	UG/KG	R								
ACENAPHTHYLENE					U	440	UG/KG	R					U	1300	UG/KG	R
ACETOPHENONE					U	440	UG/KG	R					U	1300	UG/KG	R
ANILINE					U	440	UG/KG	R					U	1300	UG/KG	R
ANTHRACENE					U	440	UG/KG	R					U	1300	UG/KG	R
BENZO(A)ANTHRACENE					U	440	UG/KG	R					U	1300	UG/KG	R
BENZO(A)PYRENE					U	440	UG/KG	R					U	1300	UG/KG	R
BENZO(B)FLUORANTHENE					U	440	UG/KG	R					U	1300	UG/KG	R
BENZO(G,H,I)PERYLENE					U	440	UG/KG	R					U	1300	UG/KG	R
BENZO(K)FLUORANTHENE					U	440	UG/KG	R					U	1300	UG/KG	R
BENZOIC ACID					U	2200	UG/KG	R					U	6700	UG/KG	R

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Submittal Date: 08-Feb-94
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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01				06-02				06-03				06-04			
Sample ID:	100225				100226				100227				100228			
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	7.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BENZYL ALCOHOL	U	2300	UG/KG	R	U	1800	UG/KG	R	U	1900	UG/KG	R	U	550	UG/KG	R
BIS(2-CHLOROETHOXY)METHANE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BIS(2-CHLOROETHYL)ETHER	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BIS(2-CHLOROISOPROPYL)ETHER	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BIS(2-ETHYLHEXYL)PHTHALATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
BUTYL BENZYL PHTHALATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
CARBAZOLE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
CHLOROBENZILATE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
CHRYSENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
DI-N-BUTYLPHTHALATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
DI-N-OCTYLPHTHALATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
DIALLATE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
DIBENZO(A,H)ANTHRACENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
DIBENZOFURAN	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
DIETHYL PHTHALATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
DIMETHYL PHTHALATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
DIPHENYLAMINE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
ETHYL METHANESULFONATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
FLUORANTHENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
FLUORENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
HEXACHLOROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
HEXACHLOROBUTADIENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
HEXACHLOROCYCLOPENTADIENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BENZYL ALCOHOL					U	450	UG/KG	R					U	700	UG/KG	R
BIS(2-CHLOROETHOXY)METHANE					U	230	UG/KG	R					U	350	UG/KG	R
BIS(2-CHLOROETHYL)ETHER					U	230	UG/KG	R					U	350	UG/KG	R
BIS(2-CHLOROISOPROPYL)ETHER					U	230	UG/KG	R					U	350	UG/KG	R
BIS(2-ETHYLHEXYL)PHTHALATE					U	230	UG/KG	R					U	350	UG/KG	R
BUTYL BENZYL PHTHALATE					U	230	UG/KG	R					U	350	UG/KG	R
CARBAZOLE					U	230	UG/KG	R					U	350	UG/KG	R
CHLOROBENZILATE					U	1100	UG/KG	R					U	1800	UG/KG	R
CHRYSENE					U	230	UG/KG	R					U	350	UG/KG	R
DI-N-BUTYLPHTHALATE					U	230	UG/KG	R					U	350	UG/KG	R
DI-N-OCTYLPHTHALATE					U	230	UG/KG	R					U	350	UG/KG	R
DIALLATE					U	1100	UG/KG	R					U	1800	UG/KG	R
DIBENZO(A,H)ANTHRACENE					U	230	UG/KG	R					U	350	UG/KG	R
DIBENZOFURAN					U	230	UG/KG	R					U	350	UG/KG	R
DIETHYL PHTHALATE					U	230	UG/KG	R					U	350	UG/KG	R
DIMETHYL PHTHALATE					U	230	UG/KG	R					U	350	UG/KG	R
DIPHENYLAMINE					U	1100	UG/KG	R					U	1800	UG/KG	R
ETHYL METHANESULFONATE					U	230	UG/KG	R					U	350	UG/KG	R
FLUORANTHENE					U	230	UG/KG	R					U	350	UG/KG	R
FLUORENE					U	230	UG/KG	R					U	350	UG/KG	R
HEXACHLOROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
HEXACHLOROBUTADIENE					U	230	UG/KG	R					U	350	UG/KG	R
HEXACHLOROCYCLOPENTADIENE					U	230	UG/KG	R					U	350	UG/KG	R

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1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-06					06-07					06-08					UNKNOWN			
Sample ID:		100230RE					100231					100232					100233			
Sample Date:		05/05/92					05/04/92					05/05/92					05/04/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					N/A			
BENZYL ALCOHOL						U	870	UG/KG	R							U	2700	UG/KG	R	
BIS(2-CHLOROETHOXY)METHANE						U	440	UG/KG	R							U	1300	UG/KG	R	
BIS(2-CHLOROETHYL)ETHER						U	440	UG/KG	R							U	1300	UG/KG	R	
BIS(2-CHLOROISOPROPYL)ETHER						U	440	UG/KG	R							U	1300	UG/KG	R	
BIS(2-ETHYLHEXYL)PHTHALATE						U	440	UG/KG	R							U	1300	UG/KG	R	
BUTYL BENZYL PHTHALATE						U	440	UG/KG	R							U	1300	UG/KG	R	
CARBAZOLE						U	440	UG/KG	R							U	1300	UG/KG	R	
CHLOROBENZILATE						U	2200	UG/KG	R							U	6700	UG/KG	R	
CHRYSENE						U	440	UG/KG	R							U	1300	UG/KG	R	
DI-N-BUTYLPHTHALATE						U	440	UG/KG	R							U	1300	UG/KG	R	
DI-N-OCTYLPHTHALATE						U	440	UG/KG	R							U	1300	UG/KG	R	
DIALLATE						U	2200	UG/KG	R							U	6700	UG/KG	R	
DIBENZO(A,H)ANTHRACENE						U	440	UG/KG	R							U	1300	UG/KG	R	
DIBENZOFURAN						U	440	UG/KG	R							U	1300	UG/KG	R	
DIETHYL PHTHALATE						U	440	UG/KG	R							U	1300	UG/KG	R	
DIMETHYL PHTHALATE						U	440	UG/KG	R							U	1300	UG/KG	R	
DIPHENYLAMINE						U	2200	UG/KG	R							U	6700	UG/KG	R	
ETHYL METHANESULFONATE						U	440	UG/KG	R							U	1300	UG/KG	R	
FLUORANTHENE						U	440	UG/KG	R							U	1300	UG/KG	R	
FLUORENE						U	440	UG/KG	R							U	1300	UG/KG	R	
HEXACHLOROBENZENE						U	440	UG/KG	R							U	1300	UG/KG	R	
HEXACHLOROBUTADIENE						U	440	UG/KG	R							U	1300	UG/KG	R	
HEXACHLOROCYCLOPENTADIENE						U	440	UG/KG	R							U	1300	UG/KG	R	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01				06-02				06-03				06-04			
Sample ID:	100225				100226				100227				100228			
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	7.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEXACHLOROETHANE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
HEXACHLOROPHENE	U	12000	UG/KG	R	U	9200	UG/KG	R	U	9300	UG/KG	R	U	2800	UG/KG	R
HEXACHLOROPROPENE	U	2300	UG/KG	R	U	1800	UG/KG	R	U	1900	UG/KG	R	U	550	UG/KG	R
INDENO(1,2,3-CD)PYRENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ISODRIN	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ISOPHORONE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ISOSAFROLE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
KEPONE	U	12000	UG/KG	R	U	9200	UG/KG	R	U	9300	UG/KG	R	U	2800	UG/KG	R
METHAPYRILENE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
METHYL METHANESULFONATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
METHYL PARATHION	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
N-NITROSO-DI-N-BUTYLAMINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
N-NITROSO-DI-N-PROPYLAMINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
N-NITROSODIMETHYLAMINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
N-NITROSODIPHENYLAMINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
N-NITROSOMETHYLETHYLAMINE	U	2300	UG/KG	R	U	1800	UG/KG	R	U	1900	UG/KG	R	U	550	UG/KG	R
N-NITROSOMORPHOLINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
N-NITROSOPIPERIDINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
N-NITROSOPYRROLIDINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
NAPHTHALENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
NITROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PARATHION	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PENTACHLOROBENZENE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R

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Submittal Date: 08-[illegible]-94
Print Date: 13-JAN-94
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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEXACHLOROETHANE					U	230	UG/KG	R					U	350	UG/KG	R
HEXACHLOROPHENE					U	2300	UG/KG	R					U	3500	UG/KG	R
HEXACHLOROPROPENE					U	450	UG/KG	R					U	700	UG/KG	R
INDENO(1,2,3-CD)PYRENE					U	230	UG/KG	R					U	350	UG/KG	R
ISODRIN					U	230	UG/KG	R					U	350	UG/KG	R
ISOPHORONE					U	230	UG/KG	R					U	350	UG/KG	R
ISOSAFROLE					U	230	UG/KG	R					U	350	UG/KG	R
KEPONE					U	2300	UG/KG	R					U	3500	UG/KG	R
METHAPYRILENE					U	1100	UG/KG	R					U	1800	UG/KG	R
METHYL METHANESULFONATE					U	230	UG/KG	R					U	350	UG/KG	R
METHYL PARATHION					U	230	UG/KG	R					U	350	UG/KG	R
N-NITROSO-DI-N-BUTYLAMINE					U	230	UG/KG	R					U	350	UG/KG	R
N-NITROSO-DI-N-PROPYLAMINE					U	230	UG/KG	R					U	350	UG/KG	R
N-NITROSODIMETHYLAMINE					U	230	UG/KG	R					U	350	UG/KG	R
N-NITROSODIPHENYLAMINE					U	230	UG/KG	R					U	350	UG/KG	R
N-NITROSOMETHYLETHYLAMINE					U	450	UG/KG	R					U	700	UG/KG	R
N-NITROSOMORPHOLINE					U	230	UG/KG	R					U	350	UG/KG	R
N-NITROSOPIPERIDINE					U	230	UG/KG	R					U	350	UG/KG	R
N-NITROSOPYRROLIDINE					U	230	UG/KG	R					U	350	UG/KG	R
NAPHTHALENE					U	230	UG/KG	R					U	350	UG/KG	R
NITROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
PARATHION					U	230	UG/KG	R					U	350	UG/KG	R
PENTACHLOROBENZENE					U	1100	UG/KG	R					U	1800	UG/KG	R

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-06				06-07				06-08				UNKNOWN			
Sample ID:	100230RE				100231				100232				100233			
Sample Date:	05/05/92				05/04/92				05/05/92				05/04/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEXACHLOROETHANE					U	440	UG/KG	R					U	1300	UG/KG	R
HEXACHLOROPHENE					U	4400	UG/KG	R					U	13000	UG/KG	R
HEXACHLOROPROPENE					U	870	UG/KG	R					U	2700	UG/KG	R
INDENO(1,2,3-CD)PYRENE					U	440	UG/KG	R					U	1300	UG/KG	R
ISODRIN					U	440	UG/KG	R					U	1300	UG/KG	R
ISOPHORONE					U	440	UG/KG	R					U	1300	UG/KG	R
ISOSAFROLE					U	440	UG/KG	R					U	1300	UG/KG	R
KEPONE					U	4400	UG/KG	R					U	13000	UG/KG	R
METHAPYRILENE					U	2200	UG/KG	R					U	6700	UG/KG	R
METHYL METHANESULFONATE					U	440	UG/KG	R					U	1300	UG/KG	R
METHYL PARATHION					U	440	UG/KG	R					U	1300	UG/KG	R
N-NITROSO-DI-N-BUTYLAMINE					U	440	UG/KG	R					U	1300	UG/KG	R
N-NITROSO-DI-N-PROPYLAMINE					U	440	UG/KG	R					U	1300	UG/KG	R
N-NITROSODIMETHYLAMINE					U	440	UG/KG	R					U	1300	UG/KG	R
N-NITROSODIPHENYLAMINE					U	4400	UG/KG	R					U	1300	UG/KG	R
N-NITROSOMETHYLETHYLAMINE					U	870	UG/KG	R					U	2700	UG/KG	R
N-NITROSOMORPHOLINE					U	440	UG/KG	R					U	1300	UG/KG	R
N-NITROSOPIPERIDINE					U	440	UG/KG	R					U	1300	UG/KG	R
N-NITROSOPYRROLIDINE					U	440	UG/KG	R					U	1300	UG/KG	R
NAPHTHALENE					U	440	UG/KG	R					U	1300	UG/KG	R
NITROBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
PARATHION					U	440	UG/KG	R					U	1300	UG/KG	R
PENTACHLOROBENZENE					U	2200	UG/KG	R					U	6700	UG/KG	R

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01				06-02				06-03				06-04			
Sample ID:	100225				100226				100227				100228			
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	7.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
PENTACHLOROETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
PENTACHLORONITROBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PENTACHLOROPHENOL	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
PHENACETIN	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PHENANTHRENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PHENOL	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PHORATE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
PRONAMIDE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PYRENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
PYRIDINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
SAFROLE	U	5800	UG/KG	R	U	4600	UG/KG	R	U	4700	UG/KG	R	U	1400	UG/KG	R
o,o,o-TRIETHYLPHOSPHOROTHIOATE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
o,o-DIETHYL-o,2-PYRAZINYLPHOSE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
o-TOLUIDINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
p-DIMETHYLAMINOAZOBENZENE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
1,1,1,2-TETRACHLOROETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,1,1-TRICHLOROETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,1,2,2-TETRACHLOROETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,1,2-TRICHLOROETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,1-DICHLOROETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,1-DICHLOROETHENE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,2,3-TRICHLOROPROPANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,2-DIBROMO-3-CHLOROPROPANE	U	71	UG/KG	R	U	56	UG/KG	R	U	56	UG/KG	R	U	83	UG/KG	R

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
PENTACHLOROETHANE	U	42	UG/KG	R	U	7	UG/KG	R								
PENTACHLORONITROBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
PENTACHLOROPHENOL					U	1100	UG/KG	R					U	1800	UG/KG	R
PHENACETIN					U	230	UG/KG	R					U	350	UG/KG	R
PHENANTHRENE					U	230	UG/KG	R					U	350	UG/KG	R
PHENOL					U	230	UG/KG	R					U	350	UG/KG	R
PHORATE					U	1100	UG/KG	R					U	1800	UG/KG	R
PRONAMIDE					U	230	UG/KG	R					U	350	UG/KG	R
PYRENE					U	230	UG/KG	R					U	350	UG/KG	R
PYRIDINE					U	230	UG/KG	R					U	350	UG/KG	R
SAFROLE					U	1100	UG/KG	R					U	1800	UG/KG	R
o,o,o-TRIETHYLPHOSPHOROTHIOATE					U	230	UG/KG	R						350	UG/KG	R
o,o-DIETHYL-o,2-PYRAZINYLPHOSE					U	230	UG/KG	R						350	UG/KG	R
o-TOLUIDINE					U	230	UG/KG	R					U	350	UG/KG	R
p-DIMETHYLAMINOAZOBENZENE					U	230	UG/KG	R					U	350	UG/KG	R
1,1,1,2-TETRACHLOROETHANE	U	42	UG/KG	R	U	7	UG/KG	R								
1,1,1-TRICHLOROETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,1,2,2-TETRACHLOROETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,1,2-TRICHLOROETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,1-DICHLOROETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,1-DICHLOROETHENE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,2,3-TRICHLOROPROPANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,2-DIBROMO-3-CHLOROPROPANE	U	83	UG/KG	R	U	14	UG/KG	R					U	21	UG/KG	R

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-06				06-07				06-08				UNKNOWN			
Sample ID:	100230RE				100231				100232				100233			
Sample Date:	05/05/92				05/04/92				05/05/92				05/04/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
PENTACHLOROETHANE	U	53	UG/KG	R	U	13	UG/KG	R					U	42	UG/KG	R
PENTACHLORONITROBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
PENTACHLOROPHENOL					U	2200	UG/KG	R					U	6700	UG/KG	R
PHENACETIN					U	440	UG/KG	R					U	1300	UG/KG	R
PHENANTHRENE					U	440	UG/KG	R					U	1300	UG/KG	R
PHENOL					U	440	UG/KG	R					U	1300	UG/KG	R
PHORATE					U	2200	UG/KG	R					U	6700	UG/KG	R
PRONAMIDE					U	440	UG/KG	R					U	1300	UG/KG	R
PYRENE					U	440	UG/KG	R					U	1300	UG/KG	R
PYRIDINE					U	440	UG/KG	R	U	550	UG/KG	R	U	1300	UG/KG	R
SAFROLE					U	2200	UG/KG	R					U	6700	UG/KG	R
o,o,o-TRIETHYLPHOSPHOROTHIOATE					U	440	UG/KG	R					U	1300	UG/KG	R
o,o-DIETHYL-o,2-PYRAZINYLPHOSE					U	440	UG/KG	R					U	1300	UG/KG	R
o-TOLUIDINE					U	440	UG/KG	R					U	1300	UG/KG	R
p-DIMETHYLAMINOAZOBENZENE					U	440	UG/KG	R					U	1300	UG/KG	R
1,1,1,2-TETRACHLOROETHANE	U	53	UG/KG	R	U	13	UG/KG	R					U	42	UG/KG	R
1,1,1-TRICHLOROETHANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,1,2,2-TETRACHLOROETHANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,1,2-TRICHLOROETHANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,1-DICHLOROETHANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,1-DICHLOROETHENE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,2,3-TRICHLOROPROPANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,2-DIBROMO-3-CHLOROPROPANE	U	110	UG/KG	R	U	26	UG/KG	R	U	33	UG/KG	R	U	83	UG/KG	R

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
R = Rejected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01				06-02				06-03				06-04		
Sample ID:	100225				100226				100227				100228		
Sample Date:	05/04/92				05/04/92				05/05/92				05/05/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	7.0				6.0				6.0				6.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-DIBROMOETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,2-DICHLOROETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,2-DICHLOROETHENE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	J	41	UG/KG	R
1,2-DICHLOROPROPANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,3-DICHLOROPROPENE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,4-DICHLORO-2-BUTENE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
1,4-DIOXANE	U	1100	UG/KG	R	U	830	UG/KG	R	U	830	UG/KG	R	U	1300	UG/KG	R
2-BUTANONE	J	100	UG/KG	R	J	87	UG/KG	R	J	66	UG/KG	R	U	830	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	71	UG/KG	R	U	56	UG/KG	R	U	56	UG/KG	R	U	83	UG/KG	R
2-HEXANONE	U	360	UG/KG	R	U	280	UG/KG	R	U	280	UG/KG	R	U	420	UG/KG	R
4-METHYL-2-PENTANONE	U	360	UG/KG	R	U	280	UG/KG	R	U	280	UG/KG	R	U	420	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE	U	1200	UG/KG	R	U	920	UG/KG	R	U	930	UG/KG	R	U	280	UG/KG	R
ACETONE	J	380	UG/KG	R	J	520	UG/KG	R	J	430	UG/KG	R	J	160	UG/KG	R
ACETONITRILE	U	710	UG/KG	R	U	560	UG/KG	R	U	560	UG/KG	R	U	830	UG/KG	R
ACROLEIN	U	360	UG/KG	R	U	280	UG/KG	R	U	280	UG/KG	R	U	420	UG/KG	R
ACRYLONITRILE	U	360	UG/KG	R	U	280	UG/KG	R	U	280	UG/KG	R	U	420	UG/KG	R
ALLYL CHLORIDE	U	710	UG/KG	R	U	560	UG/KG	R	U	560	UG/KG	R	U	830	UG/KG	R
BENZENE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
BROMODICHLOROMETHANE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
BROMOFORM	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
BROMOMETHANE	U	71	UG/KG	R	U	56	UG/KG	R	U	56	UG/KG	R	U	83	UG/KG	R
CARBON DISULFIDE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R
CARBON TETRACHLORIDE	U	36	UG/KG	R	U	28	UG/KG	R	U	28	UG/KG	R	U	42	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-DIBROMOETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,2-DICHLOROETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,2-DICHLOROETHENE	J	29	UG/KG	R		150	UG/KG	R					U	11	UG/KG	R
1,2-DICHLOROPROPANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,3-DICHLOROPROPENE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,4-DICHLORO-2-BUTENE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
1,4-DIOXANE	U	1300	UG/KG	R	U	200	UG/KG	R					U	320	UG/KG	R
2-BUTANONE	U	830	UG/KG	R	U	140	UG/KG	R					U	210	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	83	UG/KG	R	U	14	UG/KG	R					U	21	UG/KG	R
2-HEXANONE	U	420	UG/KG	R	U	68	UG/KG	R					U	110	UG/KG	R
4-METHYL-2-PENTANONE	U	420	UG/KG	R	U	68	UG/KG	R					U	110	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE					U	230	UG/KG	R					U	350	UG/KG	R
ACETONE		4200	UG/KG	R	B	6700	UG/KG	R						940	UG/KG	R
ACETONITRILE	U	830	UG/KG	R	U	140	UG/KG	R					U	210	UG/KG	R
ACROLEIN	U	420	UG/KG	R	U	68	UG/KG	R					U	110	UG/KG	R
ACRYLONITRILE	U	420	UG/KG	R	U	68	UG/KG	R					U	110	UG/KG	R
ALLYL CHLORIDE	U	830	UG/KG	R	U	140	UG/KG	R					U	210	UG/KG	R
BENZENE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
BROMODICHLOROMETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
BROMOFORM	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
BROMOMETHANE	U	83	UG/KG	R	U	14	UG/KG	R					U	21	UG/KG	R
CARBON DISULFIDE	U	42	UG/KG	R		9	UG/KG	R					U	11	UG/KG	R
CARBON TETRACHLORIDE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-06				06-07				06-08				UNKNOWN			
Sample ID:	100230RE				100231				100232				100233			
Sample Date:	05/05/92				05/04/92				05/05/92				05/04/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-DIBROMOETHANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,2-DICHLOROETHANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,2-DICHLOROETHENE	U	53	UG/KG	R	J	11	UG/KG	R		24	UG/KG	R	U	42	UG/KG	R
1,2-DICHLOROPROPANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,3-DICHLOROPROPENE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,4-DICHLORO-2-BUTENE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
1,4-DIOXANE	U	1600	UG/KG	R	U	390	UG/KG	R	U	500	UG/KG	R	U	1300	UG/KG	R
2-BUTANONE	U	1100	UG/KG	R	U	260	UG/KG	R	U	330	UG/KG	R	U	830	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	110	UG/KG	R	U	26	UG/KG	R	U	33	UG/KG	R	U	83	UG/KG	R
2-HEXANONE	U	530	UG/KG	R	U	130	UG/KG	R	U	170	UG/KG	R	U	420	UG/KG	R
4-METHYL-2-PENTANONE	U	530	UG/KG	R	U	130	UG/KG	R	U	170	UG/KG	R	U	420	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE					U	440	UG/KG	R					U	1300	UG/KG	R
ACETONE	B	6500	UG/KG	R	J	90	UG/KG	R	B	1600	UG/KG	R	J	210	UG/KG	R
ACETONITRILE	U	1100	UG/KG	R	U	260	UG/KG	R	U	330	UG/KG	R	U	830	UG/KG	R
ACROLEIN	U	530	UG/KG	R	U	130	UG/KG	R	U	170	UG/KG	R	U	420	UG/KG	R
ACRYLONITRILE	U	530	UG/KG	R	U	130	UG/KG	R	U	170	UG/KG	R	U	420	UG/KG	R
ALLYL CHLORIDE	U	1100	UG/KG	R	U	260	UG/KG	R	U	330	UG/KG	R	U	830	UG/KG	R
BENZENE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
BROMODICHLOROMETHANE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
BROMOFORM	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
BROMOMETHANE	U	110	UG/KG	R	U	26	UG/KG	R	U	33	UG/KG	R	U	83	UG/KG	R
CARBON DISULFIDE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R
CARBON TETRACHLORIDE	U	53	UG/KG	R	U	13	UG/KG	R	U	17	UG/KG	R	U	42	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-[illegible]-94
FEMP OU1RI-5 USEPA

-51298

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-01					06-02					06-03					06-04			
Sample ID:		100225					100226					100227					100228			
Sample Date:		05/04/92					05/04/92					05/05/92					05/05/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		7.0					6.0					6.0					6.0			
CHLOROBENZENE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
CHLOROETHANE	U	71	UG/KG	R		U	56	UG/KG	R		U	56	UG/KG	R		U	83	UG/KG	R	
CHLOROFORM	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
CHLOROMETHANE	U	71	UG/KG	R		U	56	UG/KG	R		U	56	UG/KG	R		U	83	UG/KG	R	
CHLOROPRENE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
DIBROMOCHLOROMETHANE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
DIBROMOMETHANE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
DICHLORODIFLUOROMETHANE																				
ETHYL METHACRYLATE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
ETHYLBENZENE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
IODOMETHANE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
ISOBUTYL ALCOHOL	U	360	UG/KG	R		U	280	UG/KG	R		U	280	UG/KG	R		U	420	UG/KG	R	
METHACRYLONITRILE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
METHYL METHACRYLATE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
METHYLENE CHLORIDE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
PROPIONITRILE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
STYRENE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
TETRACHLOROETHENE		250	UG/KG	R			520	UG/KG	R			150	UG/KG	R			3000	UG/KG	R	
TOLUENE		41	UG/KG	R		J	23	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
TOTAL PETROLEUM HYDROCARBON																				
TOTAL XYLENE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	
TRICHLOROETHENE	J	15	UG/KG	R		J	22	UG/KG	R		J	6	UG/KG	R		U	320	UG/KG	R	
TRICHLOROFLUOROMETHANE	U	36	UG/KG	R		U	28	UG/KG	R		U	28	UG/KG	R		U	42	UG/KG	R	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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5129

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06		
Sample ID:	100228RE				100229				100229RE				100230		
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	6.0				6.0				6.0				6.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
CHLOROETHANE	U	83	UG/KG	R	U	14	UG/KG	R					U	21	UG/KG	R
CHLOROFORM	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
CHLOROMETHANE	U	83	UG/KG	R	U	14	UG/KG	R					U	21	UG/KG	R
CHLOROPRENE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
DIBROMOCHLOROMETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
DIBROMOMETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
DICHLORODIFLUOROMETHANE																
ETHYL METHACRYLATE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
ETHYLBENZENE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
IODOMETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
ISOBUTYL ALCOHOL	U	420	UG/KG	R	U	68	UG/KG	R					U	110	UG/KG	R
METHACRYLONITRILE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
METHYL METHACRYLATE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
METHYLENE CHLORIDE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
PROPIONITRILE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
STYRENE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R
TETRACHLOROETHENE	U	42	UG/KG	R		180	UG/KG	R						42	UG/KG	R
TOLUENE	U	42	UG/KG	R	U	9	UG/KG	R					J	9	UG/KG	R
TOTAL PETROLEUM HYDROCARBON																
TOTAL XYLENE	U	42	UG/KG	R	J	3	UG/KG	R					U	11	UG/KG	R
TRICHLOROETHENE	U	42	UG/KG	R		8	UG/KG	R					J	7	UG/KG	R
TRICHLOROFLUOROMETHANE	U	42	UG/KG	R	U	7	UG/KG	R					U	11	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

-5129
987

1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-06					06-07					06-08					UNKNOWN			
Sample ID:		100230RE					100231					100232					100233			
Sample Date:		05/05/92					05/04/92					05/05/92					05/04/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					N/A			
CHLOROBENZENE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
CHLOROETHANE	U	110	UG/KG	R		U	26	UG/KG	R		U	33	UG/KG	R		U	83	UG/KG	R	
CHLOROFORM	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
CHLOROMETHANE	U	110	UG/KG	R		U	26	UG/KG	R		U	33	UG/KG	R		U	83	UG/KG	R	
CHLOROPRENE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
DIBROMOCHLOROMETHANE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
DIBROMOMETHANE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
DICHLORODIFLUOROMETHANE																				
ETHYL METHACRYLATE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
ETHYLBENZENE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
IODOMETHANE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
ISOBUTYL ALCOHOL	U	530	UG/KG	R		U	130	UG/KG	R		U	170	UG/KG	R		U	420	UG/KG	R	
METHACRYLONITRILE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
METHYL METHACRYLATE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
METHYLENE CHLORIDE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
PROPIONITRILE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
STYRENE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
TETRACHLOROETHENE		370	UG/KG	R		J	6	UG/KG	R			110	UG/KG	R			260	UG/KG	R	
TOLUENE	U	53	UG/KG	R		J	7	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
TOTAL PETROLEUM HYDROCARBON																				
TOTAL XYLENE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	
TRICHLOROETHENE		53	UG/KG	R		U	13	UG/KG	R			74	UG/KG	R			420	UG/KG	R	
TRICHLOROFLUOROMETHANE	U	53	UG/KG	R		U	13	UG/KG	R		U	17	UG/KG	R		U	42	UG/KG	R	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01					06-02					06-03					06-04				
Sample ID:	100225					100226					100227					100228				
Sample Date:	05/04/92					05/04/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	7.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VINYL ACETATE	U	360	UG/KG	R		U	280	UG/KG	R		U	280	UG/KG	R		U	420	UG/KG	R	
VINYL CHLORIDE	U	71	UG/KG	R		U	56	UG/KG	R		U	56	UG/KG	R		U	83	UG/KG	R	
4,4-DDD	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y
4,4-DDE	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y
4,4-DDT	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y
ALDRIN	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
ALPHA-BHC	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
ALPHA-CHLORDANE	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
AROCLOR 1016	U	1.1	UG/L	R	Y	U	1.2	UG/L	R	Y	U	0.99	UG/L	R	Y	U	1.2	UG/L	R	Y
AROCLOR 1221	U	1.1	UG/L	R	Y	U	1.2	UG/L	R	Y	U	0.99	UG/L	R	Y	U	1.2	UG/L	R	Y
AROCLOR 1232	U	1.1	UG/L	R	Y	U	1.2	UG/L	R	Y	U	0.99	UG/L	R	Y	U	1.2	UG/L	R	Y
AROCLOR 1242	U	1.1	UG/L	R	Y	U	1.2	UG/L	R	Y	U	0.99	UG/L	R	Y	U	1.2	UG/L	R	Y
AROCLOR 1248	U	1.1	UG/L	R	Y	U	1.2	UG/L	R	Y	U	0.99	UG/L	R	Y	U	1.2	UG/L	R	Y
AROCLOR 1254	U	1.1	UG/L	R	Y	U	1.2	UG/L	R	Y	U	0.99	UG/L	R	Y	U	1.2	UG/L	R	Y
AROCLOR 1260	U	1.1	UG/L	R	Y	U	1.2	UG/L	R	Y	U	0.99	UG/L	R	Y	U	1.2	UG/L	R	Y
BETA-BHC	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
DELTA-BHC	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
DIELDRIN	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y
ENDOSULFAN I	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
ENDOSULFAN II	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y
ENDOSULFAN SULFATE	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y
ENDRIN	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y
ENDRIN ALDEHYDE	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:	06-04					06-05					06-05					06-06				
Sample ID:	100228RE					100229					100229RE					100230				
Sample Date:	05/05/92					05/05/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					6.0					6.0				
VINYL ACETATE	U	420	UG/KG	R		U	68	UG/KG	R							U	110	UG/KG	R	
VINYL CHLORIDE	U	83	UG/KG	R		J	8	UG/KG	R							U	21	UG/KG	R	
4,4-DDD						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y
4,4-DDE						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y
4,4-DDT						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y
ALDRIN						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
ALPHA-BHC						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
ALPHA-CHLORDANE						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
AROCLOR 1016						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1221						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1232						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1242						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1248						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1254						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
AROCLOR 1260						U	1.1	UG/L	R	Y						U	1.1	UG/L	R	Y
BETA-BHC						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
DELTA-BHC						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
DIELDRIN						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y
ENDOSULFAN I						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
ENDOSULFAN II						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y
ENDOSULFAN SULFATE						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y
ENDRIN						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y
ENDRIN ALDEHYDE						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y

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1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-06					06-07					06-08					UNKNOWN			
Sample ID:		100230RE					100231					100232					100233			
Sample Date:		05/05/92					05/04/92					05/05/92					05/04/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					N/A			
VINYL ACETATE	U	530	UG/KG	R		U	130	UG/KG	R		U	170	UG/KG	R		U	420	UG/KG	R	
VINYL CHLORIDE	U	110	UG/KG	R		U	26	UG/KG	R		U	33	UG/KG	R		U	83	UG/KG	R	
4,4-DDD						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y
4,4-DDE						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y
4,4-DDT						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y
ALDRIN						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
ALPHA-BHC						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
ALPHA-CHLORDANE						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
AROCLOR 1016						U	1.3	UG/L	R	Y	U	1.5	UG/L	R	Y	U	1.1	UG/L	R	Y
AROCLOR 1221						U	1.3	UG/L	R	Y	U	1.5	UG/L	R	Y	U	1.1	UG/L	R	Y
AROCLOR 1232						U	1.3	UG/L	R	Y	U	1.5	UG/L	R	Y	U	1.1	UG/L	R	Y
AROCLOR 1242						U	1.3	UG/L	R	Y	U	1.5	UG/L	R	Y	U	1.1	UG/L	R	Y
AROCLOR 1248						U	1.3	UG/L	R	Y	U	1.5	UG/L	R	Y	U	1.1	UG/L	R	Y
AROCLOR 1254						U	1.3	UG/L	R	Y	U	1.5	UG/L	R	Y	U	1.1	UG/L	R	Y
AROCLOR 1260						U	1.3	UG/L	R	Y	U	1.5	UG/L	R	Y	U	1.1	UG/L	R	Y
BETA-BHC						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
DELTA-BHC						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
DIELDRIN						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y
ENDOSULFAN I						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
ENDOSULFAN II						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y
ENDOSULFAN SULFATE						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y
ENDRIN						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y
ENDRIN ALDEHYDE						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01					06-02					06-03					06-04				
Sample ID:	100225					100226					100227					100228				
Sample Date:	05/04/92					05/04/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	7.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
ENDRIN KETONE	U	0.091	UG/L	R	Y	U	0.097	UG/L	R	Y	U	0.079	UG/L	R	Y	U	0.095	UG/L	R	Y
GAMMA-BHC(Lindane)	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
GAMMA-CHLORDANE	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
HEPTACHLOR	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
HEPTACHLOR EPOXIDE	U	0.045	UG/L	R	Y	U	0.048	UG/L	R	Y	U	0.040	UG/L	R	Y	U	0.048	UG/L	R	Y
METHOXYCHLOR	U	0.45	UG/L	R	Y	U	0.48	UG/L	R	Y	U	0.40	UG/L	R	Y	U	0.48	UG/L	R	Y
TOXAPHENE	U	4.5	UG/L	R	Y	U	4.8	UG/L	R	Y	U	4.0	UG/L	R	Y	U	4.8	UG/L	R	Y
1,2,4-TRICHLOROBENZENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
1,2-DICHLOROBENZENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
1,3-DICHLOROBENZENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
1,4-DICHLOROBENZENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2,4,5-TRICHLOROPHENOL	U	47	UG/L	R	Y	U	46	UG/L	R	Y	U	50	UG/L	R	Y	U	46	UG/L	R	Y
2,4,6-TRICHLOROPHENOL	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2,4-DICHLOROPHENOL	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2,4-DIMETHYLPHENOL	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2,4-DINITROPHENOL	U	47	UG/L	R	Y	U	46	UG/L	R	Y	U	50	UG/L	R	Y	U	46	UG/L	R	Y
2,4-DINITROTOLUENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2,6-DINITROTOLUENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2-CHLORONAPHTHALENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2-CHLOROPHENOL	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2-METHYLNAPHTHALENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2-METHYLPHENOL	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
2-NITROANILINE	U	47	UG/L	R	Y	U	46	UG/L	R	Y	U	50	UG/L	R	Y	U	46	UG/L	R	Y

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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04					06-05					06-05					06-06				
Sample ID:	100228RE					100229					100229RE					100230				
Sample Date:	05/05/92					05/05/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
ENDRIN KETONE						U	0.090	UG/L	R	Y						U	0.089	UG/L	R	Y
GAMMA-BHC(Lindane)						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
GAMMA-CHLORDANE						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
HEPTACHLOR						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
HEPTACHLOR EPOXIDE						U	0.045	UG/L	R	Y						U	0.045	UG/L	R	Y
METHOXYCHLOR						U	0.45	UG/L	R	Y						U	0.45	UG/L	R	Y
TOXAPHENE						U	4.5	UG/L	R	Y						U	4.5	UG/L	R	Y
1,2,4-TRICHLOROBENZENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
1,2-DICHLOROBENZENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
1,3-DICHLOROBENZENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
1,4-DICHLOROBENZENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
2,4,5-TRICHLOROPHENOL						U	52	UG/L	R	Y						R	46	UG/L	R	Y
2,4,6-TRICHLOROPHENOL						U	10	UG/L	R	Y						R	9	UG/L	R	Y
2,4-DICHLOROPHENOL						U	10	UG/L	R	Y						U	9	UG/L	R	Y
2,4-DIMETHYLPHENOL						U	10	UG/L	R	Y						R	9	UG/L	R	Y
2,4-DINITROPHENOL						U	52	UG/L	R	Y						U	46	UG/L	R	Y
2,4-DINITROTOLUENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
2,6-DINITROTOLUENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
2-CHLORONAPHTHALENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
2-CHLOROPHENOL						U	10	UG/L	R	Y						R	9	UG/L	R	Y
2-METHYLNAPHTHALENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
2-METHYLPHENOL						U	10	UG/L	R	Y						R	9	UG/L	R	Y
2-NITROANILINE						U	52	UG/L	R	Y						U	46	UG/L	R	Y

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J = Estimated
[illegible] = Detected
NV = Not Validated
R = Rejected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-06					06-07					06-08					UNKNOWN			
Sample ID:		100230RE					100231					100232					100233			
Sample Date:		05/05/92					05/04/92					05/05/92					05/04/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					N/A			
ENDRIN KETONE						U	0.10	UG/L	R	Y	U	0.12	UG/L	R	Y	U	0.089	UG/L	R	Y
GAMMA-BHC(Lindane)						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
GAMMA-CHLORDANE						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
HEPTACHLOR						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
HEPTACHLOR EPOXIDE						U	0.051	UG/L	R	Y	U	0.062	UG/L	R	Y	U	0.044	UG/L	R	Y
METHOXYCHLOR						U	0.51	UG/L	R	Y	U	0.62	UG/L	R	Y	U	0.44	UG/L	R	Y
TOXAPHENE						U	5.1	UG/L	R	Y	U	6.2	UG/L	R	Y	U	4.4	UG/L	R	Y
1,2,4-TRICHLOROBENZENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
1,2-DICHLOROBENZENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
1,3-DICHLOROBENZENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
1,4-DICHLOROBENZENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2,4,5-TRICHLOROPHENOL	R	45	UG/L	R	Y	U	49	UG/L	R	Y						U	44	UG/L	R	Y
2,4,6-TRICHLOROPHENOL	R	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2,4-DICHLOROPHENOL	R	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2,4-DIMETHYLPHENOL	R	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2,4-DINITROPHENOL	R	45	UG/L	R	Y	U	49	UG/L	R	Y						U	44	UG/L	R	Y
2,4-DINITROTOLUENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2,6-DINITROTOLUENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2-CHLORONAPHTHALENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2-CHLOROPHENOL	R	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2-METHYLNAPHTHALENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2-METHYLPHENOL	R	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
2-NITROANILINE	U	45	UG/L	R	Y	U	49	UG/L	R	Y						U	44	UG/L	R	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01					06-02					06-03					06-04				
Sample ID:	100225					100226					100227					100228				
Sample Date:	05/04/92					05/04/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	7.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
2-NITROPHENOL	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
3,3-DICHLOROBENZIDINE	U	19	UG/L	R	Y	U	18	UG/L	R	Y	U	20	UG/L	R	Y	U	18	UG/L	R	Y
3-NITROANILINE	U	47	UG/L	R	Y	U	46	UG/L	R	Y	U	50	UG/L	R	Y	U	46	UG/L	R	Y
4,6-DINITRO-2-METHYLPHENOL	U	47	UG/L	R	Y	U	46	UG/L	R	Y	U	50	UG/L	R	Y	U	46	UG/L	R	Y
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
4-CHLORO-3-METHYLPHENOL	U	19	UG/L	R	Y	U	18	UG/L	R	Y	U	20	UG/L	R	Y	U	18	UG/L	R	Y
4-CHLOROANILINE	U	19	UG/L	R	Y	U	18	UG/L	R	Y	U	20	UG/L	R	Y	U	18	UG/L	R	Y
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
4-METHYLPHENOL	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
4-NITROANILINE	U	47	UG/L	R	Y	U	46	UG/L	R	Y	U	50	UG/L	R	Y	U	46	UG/L	R	Y
4-NITROPHENOL	U	47	UG/L	R	Y	U	46	UG/L	R	Y	U	50	UG/L	R	Y	U	46	UG/L	R	Y
ACENAPHTHENE																				
ACENAPHTHYLENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
ANTHRACENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BENZO(A)ANTHRACENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BENZO(A)PYRENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BENZO(B)FLUORANTHENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BENZO(G,H,I)PERYLENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BENZO(K)FLUORANTHENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BENZYL ALCOHOL	U	19	UG/L	R	Y	U	18	UG/L	R	Y	U	20	UG/L	R	Y	U	18	UG/L	R	Y
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-04					06-05					06-05					06-06			
Sample ID:		100228RE					100229					100229RE					100230			
Sample Date:		05/05/92					05/05/92					05/05/92					05/05/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					6.0			
2-NITROPHENOL						U	10	UG/L	R	Y						R	9	UG/L	R	Y
3,3-DICHLOROBENZIDINE						U	21	UG/L	R	Y						U	19	UG/L	R	Y
3-NITROANILINE						U	52	UG/L	R	Y						U	46	UG/L	R	Y
4,6-DINITRO-2-METHYLPHENOL						U	52	UG/L	R	Y						R	46	UG/L	R	Y
4-BROMOPHENYL PHENYL ETHER						U	10	UG/L	R	Y						U	9	UG/L	R	Y
4-CHLORO-3-METHYLPHENOL						U	21	UG/L	R	Y						R	19	UG/L	R	Y
4-CHLOROANILINE						U	21	UG/L	R	Y						U	19	UG/L	R	Y
4-CHLOROPHENOL PHENYL ETHER						U	10	UG/L	R	Y						U	9	UG/L	R	Y
4-METHYLPHENOL						U	10	UG/L	R	Y						R	9	UG/L	R	Y
4-NITROANILINE						U	52	UG/L	R	Y						U	46	UG/L	R	Y
4-NITROPHENOL						U	52	UG/L	R	Y						U	46	UG/L	R	Y
ACENAPHTHENE																				
ACENAPHTHYLENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
ANTHRACENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(A)ANTHRACENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(A)PYRENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(B)FLUORANTHENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(G,H,I)PERYLENE																U	9	UG/L	R	Y
BENZO(K)FLUORANTHENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZYL ALCOHOL						U	21	UG/L	R	Y						U	19	UG/L	R	Y
BIS(2-CHLOROETHOXY)METHANE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
BIS(2-CHLOROETHYL)ETHER						U	10	UG/L	R	Y						U	9	UG/L	R	Y
BIS(2-CHLOROISOPROPYL)ETHER						U	10	UG/L	R	Y						U	9	UG/L	R	Y

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-06					06-07					06-08					UNKNOWN				
Sample ID:	100230RE					100231					100232					100233				
Sample Date:	05/05/92					05/04/92					05/05/92					05/04/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					6.0					N/A				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
2-NITROPHENOL	R	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
3,3-DICHLOROBENZIDINE	U	18	UG/L	R	Y	U	20	UG/L	R	Y						U	18	UG/L	R	Y
3-NITROANILINE	U	45	UG/L	R	Y	U	49	UG/L	R	Y						U	44	UG/L	R	Y
4,6-DINITRO-2-METHYLPHENOL	R	45	UG/L	R	Y	U	49	UG/L	R	Y						U	44	UG/L	R	Y
4-BROMOPHENYL PHENYL ETHER	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
4-CHLORO-3-METHYLPHENOL	R	18	UG/L	R	Y	U	20	UG/L	R	Y						U	18	UG/L	R	Y
4-CHLOROANILINE	U	18	UG/L	R	Y	U	20	UG/L	R	Y						U	18	UG/L	R	Y
4-CHLOROPHENOL PHENYL ETHER	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
4-METHYLPHENOL	R	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
4-NITROANILINE	U	45	UG/L	R	Y	U	49	UG/L	R	Y						U	44	UG/L	R	Y
4-NITROPHENOL	R	45	UG/L	R	Y	U	49	UG/L	R	Y						U	44	UG/L	R	Y
ACENAPHTHENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
ACENAPHTHYLENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
ANTHRACENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(A)ANTHRACENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(A)PYRENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(B)FLUORANTHENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(G,H,I)PERYLENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
BENZO(K)FLUORANTHENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	18	UG/L	R	Y
BENZYL ALCOHOL	U	18	UG/L	R	Y	U	20	UG/L	R	Y						U	9	UG/L	R	Y
BIS(2-CHLOROETHOXY)METHANE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
BIS(2-CHLOROETHYL)ETHER	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
BIS(2-CHLOROISOPROPYL)ETHER	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01					06-02					06-03					06-04				
Sample ID:	100225					100226					100227					100228				
Sample Date:	05/04/92					05/04/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	7.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL) PHTHALATE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
BUTYL BENZYL PHTHALATE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
CARBAZOLE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
CHRYSENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
DI-N-BUTYLPHTHALATE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
DI-N-OCTYLPHTHALATE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
DIBENZO(A,H) ANTHRACENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
DIBENZOFURAN	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
DIETHYL PHTHALATE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
DIMETHYL PHTHALATE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
FLUORANTHENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
FLUORENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
HEXACHLOROBENZENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
HEXACHLOROBUTADIENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
HEXACHLOROETHANE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
INDENO(1,2,3-CD) PYRENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
ISOPHORONE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
N-NITROSODIPHENYLAMINE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
NAPHTHALENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
NITROBENZENE	U	10	UG/L	R	Y	U	9	UG/L	R	Y	U	10	UG/L	R	Y	U	9	UG/L	R	Y
PENTACHLOROPHENOL	U	47	UG/L	R	Y	U	46	UG/L	R	Y	U	50	UG/L	R	Y	U	46	UG/L	R	Y

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J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE					U	10	UG/L	R Y					U	9	UG/L	R Y
BUTYL BENZYL PHTHALATE					U	10	UG/L	R Y					U	9	UG/L	R Y
CARBAZOLE					U	10	UG/L	R Y					U	9	UG/L	R Y
CHRYSENE					U	10	UG/L	R Y					U	9	UG/L	R Y
DI-N-BUTYLPHTHALATE					U	10	UG/L	R Y					U	9	UG/L	R Y
DI-N-OCTYLPHTHALATE					U	10	UG/L	R Y					U	9	UG/L	R Y
DIBENZO(A,H)ANTHRACENE					U	10	UG/L	R Y					U	9	UG/L	R Y
DIBENZOFURAN					U	10	UG/L	R Y					U	9	UG/L	R Y
DIETHYL PHTHALATE					U	10	UG/L	R Y					U	9	UG/L	R Y
DIMETHYL PHTHALATE					U	10	UG/L	R Y					U	9	UG/L	R Y
FLUORANTHENE					U	10	UG/L	R Y					U	9	UG/L	R Y
FLUORENE					U	10	UG/L	R Y					U	9	UG/L	R Y
HEXACHLOROBENZENE					U	10	UG/L	R Y					U	9	UG/L	R Y
HEXACHLOROBUTADIENE					U	10	UG/L	R Y					U	9	UG/L	R Y
HEXACHLOROCYCLOPENTADIENE					U	10	UG/L	R Y					U	9	UG/L	R Y
HEXACHLOROETHANE					U	10	UG/L	R Y					U	9	UG/L	R Y
INDENO(1,2,3-CD)PYRENE					U	10	UG/L	R Y					U	9	UG/L	R Y
ISOPHORONE					U	10	UG/L	R Y					U	9	UG/L	R Y
N-NITROSO-DI-N-PROPYLAMINE					U	10	UG/L	R Y					U	9	UG/L	R Y
N-NITROSODIPHENYLAMINE					U	10	UG/L	R Y					U	9	UG/L	R Y
NAPHTHALENE					U	10	UG/L	R Y					U	9	UG/L	R Y
NITROBENZENE					U	10	UG/L	R Y					U	9	UG/L	R Y
PENTACHLOROPHENOL					U	52	UG/L	R Y					U	46	UG/L	R Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:	06-06					06-07					06-08					UNKNOWN				
Sample ID:	100230RE					100231					100232					100233				
Sample Date:	05/05/92					05/04/92					05/05/92					05/04/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					6.0					N/A				
BIS(2-ETHYLHEXYL)PHTHALATE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
BUTYL BENZYL PHTHALATE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
CARBAZOLE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
CHRYSENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
DI-N-BUTYLPHTHALATE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
DI-N-OCTYLPHTHALATE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
DIBENZO(A,H)ANTHRACENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
DIBENZOFURAN	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
DIETHYL PHTHALATE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
DIMETHYL PHTHALATE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
FLUORANTHENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
FLUORENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
HEXACHLOROBENZENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
HEXACHLOROBUTADIENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
HEXACHLOROCYCLOPENTADIENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
HEXACHLOROETHANE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
INDENO(1,2,3-CD)PYRENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
ISOPHORONE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
N-NITROSO-DI-N-PROPYLAMINE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
N-NITROSODIPHENYLAMINE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
NAPHTHALENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
NITROBENZENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
PENTACHLOROPHENOL	R	45	UG/L	R	Y	U	49	UG/L	R	Y						U	44	UG/L	R	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01					06-02					06-03					06-04				
Sample ID:	100225					100226					100227					100228				
Sample Date:	05/04/92					05/04/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	7.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
PHENANTHRENE	U	10	UG/L	R	Y U	9	UG/L	R	Y U	10	UG/L	R	Y U	9	UG/L	R	Y
PYRENE	U	10	UG/L	R	Y U	9	UG/L	R	Y U	10	UG/L	R	Y U	9	UG/L	R	Y
o,o-DIETHYL-o,2-PYRAZINYLPHOSE																	
1,1,1-TRICHLOROETHANE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
1,1,2-TRICHLOROETHANE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
1,1-DICHLOROETHANE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
1,1-DICHLOROETHENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
1,2-DICHLOROETHANE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
1,2-DICHLOROETHENE	U	5	UG/L	R	Y	20	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
1,2-DICHLOROPROPANE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
1,3-DICHLOROPROPENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
2-BUTANONE	U	100	UG/L	R	Y U	100	UG/L	R	Y U	100	UG/L	R	Y U	100	UG/L	R	Y
2-CHLOROETHYL VINYL ETHER	U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y
2-HEXANONE	U	50	UG/L	R	Y U	50	UG/L	R	Y U	50	UG/L	R	Y U	50	UG/L	R	Y
4-METHYL-2-PENTANONE	U	50	UG/L	R	Y U	50	UG/L	R	Y U	50	UG/L	R	Y U	50	UG/L	R	Y
ACETONE	BJ	100	UG/L	R	Y J	37	UG/L	R	Y J	21	UG/L	R	Y J	44	UG/L	R	Y
BENZENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
BROMODICHLOROMETHANE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
BROMOFORM	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
BROMOMETHANE	U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y
CARBON DISULFIDE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y
CARBON TETRACHLORIDE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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-5128

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51269

1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-04					06-05					06-05					06-06			
Sample ID:		100228RE					100229					100229RE					100230			
Sample Date:		05/05/92					05/05/92					05/05/92					05/05/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					6.0			
PHENANTHRENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
PYRENE						U	10	UG/L	R	Y						U	9	UG/L	R	Y
o,o-DIETHYL-o,2-PYRAZINYLPHOSE							5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1,1-TRICHLOROETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1,2,2-TETRACHLOROETHANE							5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1,2-TRICHLOROETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1-DICHLOROETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1-DICHLOROETHENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROETHANE							22	UG/L	R	Y		20	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROETHENE							5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROPROPANE							5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,3-DICHLOROPROPENE						U	100	UG/L	R	Y	U	100	UG/L	R	Y	U	100	UG/L	R	Y
2-BUTANONE						U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
2-CHLOROETHYL VINYL ETHER						U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
2-HEXANONE						U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
4-METHYL-2-PENTANONE							170	UG/L	R	Y		100	UG/L	R	Y	U	100	UG/L	R	Y
ACETONE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BENZENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMODICHLOROMETHANE							5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMOFORM						U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
BROMOMETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CARBON DISULFIDE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CARBON TETRACHLORIDE																				

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		06-06					06-07					06-08					UNKNOWN			
Sample ID:		100230RE					100231					100232					100233			
Sample Date:		05/05/92					05/04/92					05/05/92					05/04/92			
Top Depth (ft):		N/A					N/A					N/A					N/A			
Bottom Depth (ft):		6.0					6.0					6.0					N/A			
PHENANTHRENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
PYRENE	U	9	UG/L	R	Y	U	10	UG/L	R	Y						U	9	UG/L	R	Y
o,o-DIETHYL-o,2-PYRAZINYLPHOSE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1,1-TRICHLOROETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1,2,2-TETRACHLOROETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1,2-TRICHLOROETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1-DICHLOROETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1-DICHLOROETHENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROETHANE						J	2	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROETHENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROPROPANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,3-DICHLOROPROPENE						U	100	UG/L	R	Y	U	100	UG/L	R	Y	U	100	UG/L	R	Y
2-BUTANONE						U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
2-CHLOROETHYL VINYL ETHER						U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
2-HEXANONE						U	50	UG/L	R	Y	U	50	UG/L	R	Y	J	12	UG/L	R	Y
4-METHYL-2-PENTANONE							110	UG/L	R	Y	J	63	UG/L	R	Y	J	100	UG/L	R	Y
ACETONE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BENZENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMODICHLOROMETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMOFORM						U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
BROMOMETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CARBON DISULFIDE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CARBON TETRACHLORIDE																				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

5129

1003

1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-01					06-02					06-03					06-04				
Sample ID:	100225					100226					100227					100228				
Sample Date:	05/04/92					05/04/92					05/05/92					05/05/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	7.0					6.0					6.0					6.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ
CHLOROBENZENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R
CHLOROETHANE	U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R
CHLOROFORM	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R
CHLOROMETHANE	U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R
DIBROMOCHLOROMETHANE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R
ETHYLBENZENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R
METHYLENE CHLORIDE	B	27	UG/L	R	Y B	67	UG/L	R	Y B	12	UG/L	R	Y B	29	UG/L	R	Y B	29	UG/L	R
STYRENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R
TETRACHLOROETHENE	J	3	UG/L	R	Y	7	UG/L	R	Y J	3	UG/L	R	Y J	3	UG/L	R	Y J	3	UG/L	R
TOLUENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R
TOTAL XYLENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R
TRICHLOROETHENE	U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R	Y U	5	UG/L	R
VINYL ACETATE	U	50	UG/L	R	Y U	50	UG/L	R	Y U	50	UG/L	R	Y U	50	UG/L	R	Y U	50	UG/L	R
VINYL CHLORIDE	U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R	Y U	10	UG/L	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1992 RI/FS - Pit 6
Pit Material Organic Results

Well/Boring:	06-04				06-05				06-05				06-06			
Sample ID:	100228RE				100229				100229RE				100230			
Sample Date:	05/05/92				05/05/92				05/05/92				05/05/92			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	6.0				6.0				6.0				6.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE						5	UG/L	R Y	U	5	UG/L	R Y	U	5	UG/L	R Y
CHLOROETHANE					U	10	UG/L	R Y	U	10	UG/L	R Y	U	10	UG/L	R Y
CHLOROFORM					U	5	UG/L	R Y	U	5	UG/L	R Y	U	5	UG/L	R Y
CHLOROMETHANE						10	UG/L	R Y	U	10	UG/L	R Y	U	10	UG/L	R Y
DIBROMOCHLOROMETHANE					U	5	UG/L	R Y	U	5	UG/L	R Y	U	5	UG/L	R Y
ETHYLBENZENE					U	5	UG/L	R Y	U	5	UG/L	R Y	U	5	UG/L	R Y
METHYLENE CHLORIDE					B	26	UG/L	R Y	B	24	UG/L	R Y	B	39	UG/L	R Y
STYRENE						5	UG/L	R Y	U	5	UG/L	R Y	U	5	UG/L	R Y
TETRACHLOROETHENE						25	UG/L	R Y		18	UG/L	R Y	U	5	UG/L	R Y
TOLUENE						5	UG/L	R Y	U	5	UG/L	R Y	U	5	UG/L	R Y
TOTAL XYLENE						5	UG/L	R Y	U	5	UG/L	R Y	U	5	UG/L	R Y
TRICHLOROETHENE					U	5	UG/L	R Y	U	5	UG/L	R Y	U	5	UG/L	R Y
VINYL ACETATE					U	50	UG/L	R Y	U	50	UG/L	R Y	U	50	UG/L	R Y
VINYL CHLORIDE					U	10	UG/L	R Y	U	10	UG/L	R Y	U	10	UG/L	R Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1992 RI/FS - Pit 6
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:	06-06					06-07					06-08					UNKNOWN				
Sample ID:	100230RE					100231					100232					100233				
Sample Date:	05/05/92					05/04/92					05/05/92					05/04/92				
Top Depth (ft):	N/A					N/A					N/A					N/A				
Bottom Depth (ft):	6.0					6.0					6.0					N/A				
CHLOROBENZENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CHLOROETHANE						U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
CHLOROFORM						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CHLOROMETHANE						U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
DIBROMOCHLOROMETHANE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
ETHYLBENZENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
METHYLENE CHLORIDE						B	15	UG/L	R	Y	B	17	UG/L	R	Y	B	20	UG/L	R	Y
STYRENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TETRACHLOROETHENE						J	140	UG/L	R	Y		6	UG/L	R	Y	J	4	UG/L	R	Y
TOLUENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TOTAL XYLENE						U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TRICHLOROETHENE							16	UG/L	R	Y	J	3	UG/L	R	Y	U	5	UG/L	R	Y
VINYL ACETATE						U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
VINYL CHLORIDE						U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y

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Submittal Date: 08-Feb-94
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A.6.1.5

PIT 1
PIT MATERIAL
EXTRACTION PROCEDURE TOXICITY RESULTS

Characterization Investigation Study - Pit 6
Extraction Procedure Toxicity Data

Chemical Parameters	Well/Boring:	06-04		06-03			06-02			06-01		
	Sample ID:	PS-06-001		PS-06-011			PS-06-029			PS-06-030		
	Sample Date:	4/3/87		4/6/87			4/7/87			4/7/87		
	Top Depth (ft):	0		0			0.7			1.2		
	Bottom Depth (ft):	10		15			4			4.5		
	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		> 800	DEG F		>140	DEG F		>140	DEG F		>140	DEG F
CORROSIVITY		11.7	PHU		11.2	PHU		8.5	PHU		8.7	PHU
REACTIVITY (SULFIDE)	U	0.35	MG/KG									
REACTIVITY					NEGATIVE			NEGATIVE			NEGATIVE	
SILVER, EP LEACHATE		2070	UG/L	U	20	UG/L	U	20	UG/L	U	20	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	10	UG/L	U	10	UG/L	U	10	UG/L
BARIUM, EP LEACHATE		1090	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
CADMIUM, EP LEACHATE		251	UG/L	U	30	UG/L	U	30	UG/L	U	30	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	90	UG/L	U	90	UG/L	U	90	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L	U	1	UG/L	U	1	UG/L	U	1	UG/L
LEAD, EP LEACHATE		1890	UG/L	U	200	UG/L	U	200	UG/L	U	200	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	10	UG/L	U	10	UG/L	U	10	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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Submittal Date: 08-FEB-94
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A.6.2

PIT 6
PIT SURFACE WATER

A.6.2.1

PIT 6
PIT SURFACE WATER
RADIOLOGICAL RESULTS

Well/Boring:	06
Sample ID:	SW-06-005
Sample Date:	05/05/87
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ
CESIUM-137	<	15	PCI/L	UJ
NEPTUNIUM-237	<	15	PCI/L	UJ
PLUTONIUM-238	<	0.1	PCI/L	UJ
PLUTONIUM-239/240	<	0.1	PCI/L	UJ
RADIUM-226	<	0.1	PCI/L	UJ
RADIUM-228		31.3	PCI/L	-
RUTHENIUM-106	<	114	PCI/L	UJ
STRONTIUM-90	<	2.0	PCI/L	UJ
TECHNETIUM-99		585	PCI/L	-
THORIUM-228			PCI/L	NV
THORIUM-230	<	0.2	PCI/L	UJ
THORIUM-232	<	0.1	PCI/L	UJ
URANIUM-234		22	PCI/L	-
URANIUM-235		1.5	PCI/L	-
URANIUM-238		117	PCI/L	-

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Print Date: 13-JAN-94
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Characterization Investigation Study - Pit 6
Surface Water Radiological Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		06				06				06				06		
Sample ID:		SW-06-001				SW-06-002				SW-06-003				SW-06-004		
Sample Date:		04/13/92				04/15/87				04/15/87				04/15/87		
Top Depth (ft):		N/A				N/A				N/A				N/A		
Bottom Depth (ft):		N/A				N/A				N/A				N/A		
CESIUM-137	<	12	PCI/L	UJ	<	11	PCI/L	UJ	<	13	PCI/L	UJ	<	10	PCI/L	UJ
NEPTUNIUM-237	<	0.3	PCI/L	U	<	11	PCI/L	UJ	<	0.3	PCI/L	U	<	0.3	PCI/L	U
PLUTONIUM-238	<	0.2	PCI/L	UJ			PCI/L	NV	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
PLUTONIUM-239/240	<	0.1	PCI/L	UJ			PCI/L	NV	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
RADIUM-226	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
RADIUM-228		10.4	PCI/L	-		15.4	PCI/L	-		17.4	PCI/L	-		16.9	PCI/L	-
RUTHENIUM-106	<	57	PCI/L	UJ	<	63	PCI/L	UJ	<	94	PCI/L	UJ	<	83	PCI/L	UJ
STRONTIUM-90	<	1.0	PCI/L	UJ	<	2.0	PCI/L	UJ	<	1.0	PCI/L	UJ	<	1.0	PCI/L	UJ
TECHNETIUM-99		1330	PCI/L	-		529	PCI/L	-		1960	PCI/L	-		3500	PCI/L	-
THORIUM-228			PCI/L	NV			PCI/L	NV			PCI/L	NV			PCI/L	NV
THORIUM-230		0.3	PCI/L	-	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ		0.3	PCI/L	-
THORIUM-232	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
URANIUM-234		61	PCI/L	-		77	PCI/L	-		77	PCI/L	-		76	PCI/L	-
URANIUM-235		5.4	PCI/L	-		8.1	PCI/L	-		9.2	PCI/L	-		9.3	PCI/L	-
URANIUM-238		317	PCI/L	-		441	PCI/L	-		460	PCI/L	-		456	PCI/L	-

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A.6.2.2

PIT 6
PIT SURFACE WATER
INORGANIC RESULTS

Characterization Investigation Study - Pit 6
Surface Water Inorganic Results

Well/Boring:	06				06				06				06			
Sample ID:	SW-06-001				SW-06-002				SW-06-003				SW-06-004			
Sample Date:	04/13/92				04/15/87				04/15/87				04/15/87			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CYANIDE	U	10000	UG/L	UJ	U	10000	UG/L	UJ	U	10000	UG/L	UJ	U	10000	UG/L	UJ
ALUMINUM		283	UG/L	-		492	UG/L	-		429	UG/L	-		476	UG/L	-
ANTIMONY	UN	1.4	UG/L	UJ	UN	1.4	UG/L	UJ	UN	1.4	UG/L	UJ	UN	1.4	UG/L	UJ
ARSENIC	UN	1.4	UG/L	UJ	UN	1.4	UG/L	UJ	UN	1.4	UG/L	UJ	UN	1.4	UG/L	UJ
BARIUM	U	27	UG/L	U	U	27	UG/L	U	U	27	UG/L	U	U	27	UG/L	U
BERYLLIUM	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
CADMIUM	U	1.9	UG/L	U	U	1.9	UG/L	U	U	1.9	UG/L	U	U	1.9	UG/L	U
CALCIUM		82200	UG/L	J		111000	UG/L	J		111000	UG/L	J		109000	UG/L	J
CHROMIUM	U	4.4	UG/L	U	U	4.4	UG/L	U	U	4.4	UG/L	U	U	4.4	UG/L	U
COBALT	U	9.5	UG/L	U	U	9.5	UG/L	U	U	9.5	UG/L	U	U	9.5	UG/L	U
COPPER	U	12	UG/L	U	U	12	UG/L	U	U	12	UG/L	U	U	12	UG/L	U
IRON	U	14.1	UG/L	U	U	14.1	UG/L	U	UN	14.1	UG/L	UJ	U	14.1	UG/L	U
LEAD	UN	1.1	UG/L	UJ	UN	1.1	UG/L	UJ	UN	1.1	UG/L	UJ	UN	1.1	UG/L	UJ
MAGNESIUM		811	UG/L	J	B	681	UG/L	J		664	UG/L	J	B	725	UG/L	J
MANGANESE	U	2.3	UG/L	U	U	2.3	UG/L	U	U	2.3	UG/L	U	U	2.3	UG/L	U
MERCURY	U	0.2	UG/L	U	U	0.2	UG/L	U	U	0.2	UG/L	U	U	0.2	UG/L	U
NICKEL	U	18	UG/L	U	U	18	UG/L	U	U	18	UG/L	U	U	18	UG/L	U
POTASSIUM	N	42000	UG/L	J	N	38000	UG/L	J	N	38000	UG/L	J	N	40000	UG/L	J
SELENIUM	UN	1.7	UG/L	UJ	UN	1.7	UG/L	UJ	UN	1.7	UG/L	UJ	UN	1.7	UG/L	UJ
SILVER	UN	6.7	UG/L	UJ	UN	6.7	UG/L	UJ	UN	6.7	UG/L	UJ	UN	6.7	UG/L	UJ
SODIUM		90000	UG/L	-		94000	UG/L	-		90000	UG/L	-		92000	UG/L	-
THALLIUM	U	1.1	UG/L	U	U	1.1	UG/L	U	U	1.1	UG/L	U	U	1.1	UG/L	U

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Submittal Date: 08-Feb-94
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-5129

Well/Boring:	06
Sample ID:	SW-06-005
Sample Date:	05/05/87
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ
CYANIDE	U	10	UG/L	U
ALUMINUM	U	51	UG/L	U
ANTIMONY	B	1.7	UG/L	J
ARSENIC	U	1.4	UG/L	U
BARIUM	U	27	UG/L	U
BERYLLIUM	U	1	UG/L	U
CADMIUM	U	1.9	UG/L	U
CALCIUM		64300	UG/L	-
CHROMIUM	U	4.4	UG/L	U
COBALT	U	9.5	UG/L	U
COPPER	U	12	UG/L	U
IRON		16	UG/L	J
LEAD		2.9	UG/L	-
MAGNESIUM		2430	UG/L	J
MANGANESE	UN	2.3	UG/L	UJ
MERCURY	U	0.2	UG/L	U
NICKEL	U	18	UG/L	U
POTASSIUM		23000	UG/L	-
SELENIUM	U	1.7	UG/L	U
SILVER	UN	6.7	UG/L	UJ
SODIUM		103000	UG/L	-
THALLIUM	U	1.1	UG/L	UJ

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit 6
Surface Water Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:	06				06				06				06			
Sample ID:	SW-06-001				SW-06-002				SW-06-003				SW-06-004			
Sample Date:	04/13/92				04/15/87				04/15/87				04/15/87			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
VANADIUM	U	14	UG/L	U	U	14	UG/L	U	U	14	UG/L	U	U	14	UG/L	U
ZINC	U	4.3	UG/L	U	U	4.3	UG/L	U	U	4.3	UG/L	U	U	4.3	UG/L	U

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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Well/Boring:	06
Sample ID:	SW-06-005
Sample Date:	05/05/87
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ
VANADIUM	U	14	UG/L	U
ZINC		8	UG/L	J

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

15129

A.6.2.3

PIT 6
PIT SURFACE WATER
ORGANIC RESULTS

Characterization Investigation Study - Pit 6
Surface Water Organic Results

Well/Boring:	06				06				06				06			
Sample ID:	SW-06-001				SW-06-002				SW-06-003				SW-06-004			
Sample Date:	04/13/92				04/15/87				04/15/87				04/15/87			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U
4,4-DDE	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U
4,4-DDT	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U
ALDRIN	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U
ALPHA-BHC	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U
AROCLOR 1016	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
AROCLOR 1221	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
AROCLOR 1232	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
AROCLOR 1242	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
AROCLOR 1248	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
AROCLOR 1254	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
AROCLOR 1260	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
BETA-BHC	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U
CHLORDANE	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
DELTA-BHC	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U
DIELDRIN	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U
ENDOSULFAN I	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U
ENDOSULFAN II	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U
ENDOSULFAN SULFATE	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U
ENDRIN	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U
ENDRIN KETONE	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U	U	.1	UG/L	U
GAMMA-BHC(Lindane)	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1020

51129

Well/Boring:	06
Sample ID:	SW-06-005
Sample Date:	05/05/87
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	.1	UG/L	U
4,4-DDE	U	.1	UG/L	U
4,4-DDT	U	.1	UG/L	U
ALDRIN	U	.05	UG/L	U
ALPHA-BHC	U	.05	UG/L	U
AROCLOR 1016	U	.5	UG/L	U
AROCLOR 1221	U	.5	UG/L	U
AROCLOR 1232	U	.5	UG/L	U
AROCLOR 1242	U	.5	UG/L	U
AROCLOR 1248	U	.5	UG/L	U
AROCLOR 1254	U	1	UG/L	U
AROCLOR 1260	U	1	UG/L	U
BETA-BHC	U	.05	UG/L	U
CHLORDANE	U	.5	UG/L	U
DELTA-BHC	U	.05	UG/L	U
DIELDRIN	U	.05	UG/L	U
ENDOSULFAN I	U	.05	UG/L	U
ENDOSULFAN II	U	.1	UG/L	U
ENDOSULFAN SULFATE	U	.1	UG/L	U
ENDRIN	U	.1	UG/L	U
ENDRIN KETONE	U	.1	UG/L	U
GAMMA-BHC(Lindane)				

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit 6
Surface Water Organic Results

Well/Boring:	06				06				06				06			
Sample ID:	SW-06-001				SW-06-002				SW-06-003				SW-06-004			
Sample Date:	04/13/92				04/15/87				04/15/87				04/15/87			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U
HEPTACHLOR EPOXIDE	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U	U	.05	UG/L	U
METHOXYCHLOR	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U	U	.5	UG/L	U
TOXAPHENE	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U	U	1	UG/L	U
1,2,4-TRICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
1,2-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
1,3-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
1,4-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2,4,5-TRICHLOROPHENOL	U	50	UG/L	UJ	U	50	UG/L	UJ	U	50	UG/L	UJ	U	50	UG/L	UJ
2,4,6-TRICHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2,4-DICHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2,4-DIMETHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2,4-DINITROPHENOL	U	50	UG/L	U	U	50	UG/L	U	U	50	UG/L	U	U	50	UG/L	U
2,4-DINITROTOLUENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2,6-DINITROTOLUENE	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
2-CHLORONAPHTHALENE	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	U	U	10	UG/L	U
2-CHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2-METHYLNAPHTHALENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2-NITROANILINE	U	50	UG/L	U	U	50	UG/L	U	U	50	UG/L	U	U	50	UG/L	U
2-NITROPHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
3,3-DICHLOROBENZIDINE	U	20	UG/L	UJ	U	20	UG/L	UJ	U	20	UG/L	UJ	U	20	UG/L	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

-5129
1021

Well/Boring:	06
Sample ID:	SW-06-005
Sample Date:	05/05/87
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	.05	UG/L	U
HEPTACHLOR EPOXIDE	U	.05	UG/L	U
METHOXYCHLOR	U	.5	UG/L	U
TOXAPHENE	U	1	UG/L	U
1,2,4-TRICHLOROBENZENE	U	10	UG/L	U
1,2-DICHLOROBENZENE	U	10	UG/L	U
1,3-DICHLOROBENZENE	U	10	UG/L	U
1,4-DICHLOROBENZENE	U	10	UG/L	U
2,4,5-TRICHLOROPHENOL	U	50	UG/L	UJ
2,4,6-TRICHLOROPHENOL	U	10	UG/L	U
2,4-DICHLOROPHENOL	U	10	UG/L	U
2,4-DIMETHYLPHENOL	U	10	UG/L	U
2,4-DINITROPHENOL	U	50	UG/L	U
2,4-DINITROTOLUENE	U	10	UG/L	UJ
2,6-DINITROTOLUENE	U	10	UG/L	U
2-CHLORONAPHTHALENE	U	10	UG/L	U
2-CHLOROPHENOL	U	10	UG/L	U
2-METHYLNAPHTHALENE	U	10	UG/L	U
2-METHYLPHENOL	U	10	UG/L	U
2-NITROANILINE	U	50	UG/L	U
2-NITROPHENOL	U	10	UG/L	U
3,3-DICHLOROBENZIDINE	U	20	UG/L	UJ

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Characterization Investigation Study - Pit 6
Surface Water Organic Results

Well/Boring:	06				06				06				06		
Sample ID:	SW-06-001				SW-06-002				SW-06-003				SW-06-004		
Sample Date:	04/13/92				04/15/87				04/15/87				04/15/87		
Top Depth (ft):	N/A				N/A				N/A				N/A		
Bottom Depth (ft):	N/A				N/A				N/A				N/A		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	50	UG/L	UJ	U	50	UG/L	UJ	U	50	UG/L	UJ	U	50	UG/L	UJ
4,6-DINITRO-2-METHYLPHENOL	U	50	UG/L	U	U	50	UG/L	U	U	50	UG/L	U	U	50	UG/L	U
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
4-CHLORO-3-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
4-CHLOROANILINE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
4-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
4-NITROANILINE	U	50	UG/L	UJ	U	50	UG/L	UJ	U	50	UG/L	UJ	U	50	UG/L	UJ
4-NITROPHENOL	U	50	UG/L	U	U	50	UG/L	U	U	50	UG/L	U	U	50	UG/L	U
ACENAPHTHENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
ACENAPHTHYLENE	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
ANTHRACENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BENZO(A)ANTHRACENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BENZO(A)PYRENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BENZO(B)FLUORANTHENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BENZO(G,H,I)PERYLENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BENZO(K)FLUORANTHENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BENZOIC ACID	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R	U	50	UG/L	R
BENZYL ALCOHOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U

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51129

Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

Well/Boring: 06
Sample ID: SW-06-005
Sample Date: 05/05/87
Top Depth (ft): N/A
Bottom Depth (ft): N/A

Parameters	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	50	UG/L	U
4,6-DINITRO-2-METHYLPHENOL	U	50	UG/L	U
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	U
4-CHLORO-3-METHYLPHENOL	U	10	UG/L	U
4-CHLOROANILINE	U	10	UG/L	U
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	U
4-METHYLPHENOL	U	10	UG/L	U
4-NITROANILINE	U	50	UG/L	U
4-NITROPHENOL	U	50	UG/L	UJ
ACENAPHTHENE	U	10	UG/L	U
ACENAPHTHYLENE	U	10	UG/L	U
ANTHRACENE	U	10	UG/L	U
BENZO(A)ANTHRACENE	U	10	UG/L	U
BENZO(A)PYRENE	U	10	UG/L	U
BENZO(B)FLUORANTHENE	U	10	UG/L	U
BENZO(G,H,I)PERYLENE	U	10	UG/L	U
BENZO(K)FLUORANTHENE	U	10	UG/L	U
BENZOIC ACID	U	50	UG/L	R
BENZYL ALCOHOL	U	10	UG/L	U
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	U
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	UJ
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	U

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Characterization Investigation Study - Pit 6
Surface Water Organic Results

Well/Boring:	06					06					06					06			
Sample ID:	SW-06-001					SW-06-002					SW-06-003					SW-06-004			
Sample Date:	04/13/92					04/15/87					04/15/87					04/15/87			
Top Depth (ft):	N/A					N/A					N/A					N/A			
Bottom Depth (ft):	N/A					N/A					N/A					N/A			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		J	10	UG/L	U	
BUTYL BENZYL PHTHALATE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
CHRYSENE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
DI-N-BUTYLPHTHALATE	U	10	UG/L	U		J	10	UG/L	U		J	10	UG/L	U		U	10	UG/L	U	
DI-N-OCTYLPHTHALATE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
DIBENZO(A,H)ANTHRACENE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
DIBENZOFURAN	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	U		U	10	UG/L	U	
DIETHYL PHTHALATE	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
DIMETHYL PHTHALATE	U	10	UG/L	U		U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
FLUORANTHENE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
FLUORENE	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
HEXACHLOROBENZENE	U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
HEXACHLOROBUTADIENE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	U		U	10	UG/L	UJ		U	10	UG/L	UJ		U	10	UG/L	UJ	
HEXACHLOROETHANE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
INDENO(1,2,3-CD)PYRENE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
ISOPHORONE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
N-NITROSODIPHENYLAMINE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
NAPHTHALENE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
NITROBENZENE	U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U		U	10	UG/L	U	
PENTACHLOROPHENOL	U	50	UG/L	U		U	50	UG/L	U		U	50	UG/L	U		U	50	UG/L	U	

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-5129

Well/Boring:	06
Sample ID:	SW-06-005
Sample Date:	05/05/87
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL) PHTHALATE		10	UG/L	U
BUTYL BENZYL PHTHALATE	U	10	UG/L	U
CHRYSENE	U	10	UG/L	U
DI-N-BUTYLPHTHALATE	U	10	UG/L	UJ
DI-N-OCTYLPHTHALATE	U	10	UG/L	U
DIBENZO(A,H) ANTHRACENE	U	10	UG/L	U
DIBENZOFURAN	U	10	UG/L	U
DIETHYL PHTHALATE	U	10	UG/L	U
DIMETHYL PHTHALATE	U	10	UG/L	U
FLUORANTHENE	U	10	UG/L	U
FLUORENE	U	10	UG/L	U
HEXACHLOROBENZENE	U	10	UG/L	U
HEXACHLOROBUTADIENE	U	10	UG/L	U
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	U
HEXACHLOROETHANE	U	10	UG/L	UJ
INDENO(1,2,3-CD) PYRENE	U	10	UG/L	UJ
ISOPHORONE	U	10	UG/L	UJ
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	UJ
N-NITROSODIPHENYLAMINE	U	10	UG/L	U
NAPHTHALENE	U	10	UG/L	U
NITROBENZENE	U	10	UG/L	UJ
PENTACHLOROPHENOL	U	50	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit 6
Surface Water Organic Results

Well/Boring:	06				06				06				06			
Sample ID:	SW-06-001				SW-06-002				SW-06-003				SW-06-004			
Sample Date:	04/13/92				04/15/87				04/15/87				04/15/87			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
PHENANTHRENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
PHENOL	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
PYRENE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
1,1,1-TRICHLOROETHANE	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
1,1,2-TRICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
1,1-DICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
1,1-DICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
1,2-DICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
1,2-DICHLOROPROPANE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
1,3-DICHLOROPROPENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
2-BUTANONE	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
2-CHLOROETHYL VINYL ETHER	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
2-HEXANONE	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
4-METHYL-2-PENTANONE	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
ACETONE	B	62	UG/L	UJ	B	44	UG/L	UJ	B	43	UG/L	UJ	B	44	UG/L	UJ
BENZENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
BROMODICHLOROMETHANE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
BROMOFORM	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ
BROMOMETHANE	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R	U	10	UG/L	R
CARBON DISULFIDE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
CARBON TETRACHLORIDE	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ	U	5	UG/L	UJ

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5128

Well/Boring:	06
Sample ID:	SW-06-005
Sample Date:	05/05/87
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ TCLP
PHENANTHRENE	U	10	UG/L	U
PHENOL	U	10	UG/L	U
PYRENE	U	10	UG/L	U
1,1,1-TRICHLOROETHANE	U	5	UG/L	U
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	U
1,1,2-TRICHLOROETHANE	U	5	UG/L	U
1,1-DICHLOROETHANE	U	5	UG/L	U
1,1-DICHLOROETHENE	U	5	UG/L	U
1,2-DICHLOROETHANE	U	5	UG/L	R
1,2-DICHLOROPROPANE	U	5	UG/L	U
1,3-DICHLOROPROPENE	U	5	UG/L	U
2-BUTANONE	U	10	UG/L	R
2-CHLOROETHYL VINYL ETHER	U	10	UG/L	U
2-HEXANONE	U	10	UG/L	U
4-METHYL-2-PENTANONE	U	10	UG/L	U
ACETONE	BJ	10	UG/L	UJ
BENZENE	U	5	UG/L	U
BROMODICHLOROMETHANE	U	5	UG/L	U
BROMOFORM	U	5	UG/L	U
BROMOMETHANE	U	10	UG/L	UJ
CARBON DISULFIDE	U	5	UG/L	UJ
CARBON TETRACHLORIDE	U	5	UG/L	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit 6
Surface Water Organic Results

Well/Boring:	06				06				06				06			
Sample ID:	SW-06-001				SW-06-002				SW-06-003				SW-06-004			
Sample Date:	04/13/92				04/15/87				04/15/87				04/15/87			
Top Depth (ft):	N/A				N/A				N/A				N/A			
Bottom Depth (ft):	N/A				N/A				N/A				N/A			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
CHLOROETHANE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U
CHLOROFORM	J	3	UG/L	J	J	2	UG/L	J	J	2	UG/L	J	J	2	UG/L	J
CHLOROMETHANE	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
DIBROMOCHLOROMETHANE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
ETHYLBENZENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
METHYLENE CHLORIDE	J	5	UG/L	UJ	J	5	UG/L	UJ	J	5	UG/L	UJ	J	5	UG/L	UJ
STYRENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
TETRACHLOROETHENE	J	2	UG/L	J	J	2	UG/L	J	J	2	UG/L	J	J	2	UG/L	J
TOLUENE	J	2	UG/L	J		6	UG/L	-	J	1	UG/L	J	J	1	UG/L	J
TOTAL XYLENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
TRANS-1,2-DICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
TRICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U	U	5	UG/L	U
VINYL ACETATE	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ	U	10	UG/L	UJ
VINYL CHLORIDE	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U	U	10	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1029
-5129

Well/Boring:	06
Sample ID:	SW-06-005
Sample Date:	05/05/87
Top Depth (ft):	N/A
Bottom Depth (ft):	N/A

Parameters	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE	U	5	UG/L	U
CHLOROETHANE	U	10	UG/L	UJ
CHLOROFORM	U	5	UG/L	U
CHLOROMETHANE	U	10	UG/L	UJ
DIBROMOCHLOROMETHANE	U	5	UG/L	U
ETHYLBENZENE	U	5	UG/L	U
METHYLENE CHLORIDE	U	5	UG/L	U
STYRENE	U	5	UG/L	U
TETRACHLOROETHENE	J	1	UG/L	J
TOLUENE	U	5	UG/L	U
TOTAL XYLENE	U	5	UG/L	U
TRANS-1,2-DICHLOROETHENE	U	5	UG/L	U
TRICHLOROETHENE	U	5	UG/L	U
VINYL ACETATE	U	10	UG/L	U
VINYL CHLORIDE	U	10	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

A.7

BURN PIT

A.7.1

BURN PIT
PIT MATERIAL

A.7.1.1

BURN PIT
PIT MATERIAL
VISUAL CLASSIFICATION OF SOILS

VISUAL CLASSIFICATION OF SOILS

-5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 07-01 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481877.94,1378639.50	DATE OF COMPLETION: 4/27/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-07-006 FMP-PS-07-007	9/20/ 25/22	19	5" brown (10 YR 8/3) Clay trace silt, damp grass roots 11" black (7.5 YR 2/0) medium to fine sand some silt, damp 4" brown (10 YR 5/3) Clay, trace silt, damp	NA	NA	100 cpm OVA = 6 ppm
2 4	FMP-PS-07-008 FMP-PS-07-009	5/2/ 1/1	22	2" same as above 11" 2" light yellowish brown (2.5 Y 6/4) medium to fine sand, some silt, hard (cemented) damp 18" white (2.5 Y 8/0) silt, trace clay size material moist, soft pure white	NA	NA	60-70 cpm OVA = 5.5 ppm OVA = 2-8 ppm horehole OVA = 900 pp, in auger OVA = 2 ppm breathing zone
4 6	FMP-PS-07-010	2/4/ 13/13	9	Same as 6-8 layers of both 1/2 white material 1/2 Clay	NA	NA	75 cpm OVA = 0.4 ppm
6 8	FMP-PS-07-011 FMP-PS-07-012	4/5/ 8/13	15 1/2	2" layers white (10 YR 8/2) medium to fine sand and silt size material wet hard 13 1/2 gray (10 YR 5/1) and brown (10 YR 5/3) Clay, silt, moist, plastic clay	NA	NA	70 cpm OVA = 5 ppm
8 10	FMP-PS-07-013 FMP-PS-07-014	8/12/ 20/21	22	Same clay as above, trace of gravel, moist.	NA	NA	60 cpm OVA = 0.4 ppm
				Total Depth = 10 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-07-001, 002, & 005 are composites of the entire boring

cpm - counts per minute read with HP-210T

OVA - background = 4 ppm

FERNALD/WEL0701.DRW/I/8-7-93

5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 07-02 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481827.56,1378653.13	DATE OF COMPLETION: 4/22/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-07-017 FMP-PS-07-018	4/12/47/58	19-1/2	10.5 inches yellowish brown (10 YR 5/6) CLAY trace silt, damp, grass roots, trace medium to fine gravel. 9 inches black (7.5 YR 2/0) coarse to fine sand and silt size material, damp, trace fine gravel, plastic cap 1/2 inch diameter (possibly for test tube) in sample.	NA	NA	300 cpm OVA = 1 ppm
2 4	FMP-PS-07-019	11/30/31/24	12	Brown (10 YR 5/4) CLAY, trace (+) silt, trace gravel (coarse to fine gravel) damp, black (7.5 YR 2.0) mixed throughout pieces of glass, aluminum wire, granite coarse gravel.	NA	NA	14000 cpm OVA = 1 ppm
4 6	FMP-PS-07-020 FMP-PS-07-021	34/38/38/46	20-1/2	4 inches grayish brown (2.5 Y 5/2) mottled, 16.5 inches light yellowish brown (2.5 Y 6/4) CLAY, trace silt, trace medium to fine gravel, damp, one medium gravel is light and porous like pumice but no sharp edges.	NA	NA	300 cpm OVA = 1 ppm
6 8		14/20/20/20	0	Recovery was trash from above only all clay, trace silt material.	NA	NA	No readings
8 10	FMP-PS-07-022 FMP-PS-07-023	6/10/17/18	20-1/2	2 inches light olive brown, 18.5 inches olive (5Y 4/4) CLAY, trace silt, trace of medium to fine gravel, trace wood splinters, trace black (7.5 YR 2/0) in clay mixed in as blotch (small areas) (looks like staining from some black material seen above).	NA	NA	250 cpm OVA = 2.5 ppm
10 12	FMP-PS-07-024 FMP-PS-07-025	10/12/17/18	20-1/2	Top half very dark grayish brown bottom half dark grayish brown CLAY little silt, moist soft, not compacted like above, organic material present, (roots of grass, decayed vegetation) (looks undisturbed).	NA	NA	250 cpm OVA = 1 ppm
				Total Depth = 12 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T, background = 250 cpm OVA - background = 1 ppm

Sample FMP-PS-07-015, FMP-PS-07-016, FMP-PS-07-003, and FMP-PS-07-004 are composites of entire boring.

FERNALD/07-02.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

-5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 07-03 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481728.53,1378616.38	DATE OF COMPLETION: 4/28/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-07-028 FMP-PS-07-029	4/8/ 48/21	20	10 inches yellowish brown (10 YR 5/6) CLAY, trace silt, damp, roots of grass, grass on top. 10 inches black (7.5 YR 2/0) coarse to fine sand, and (-) silt size material, damp, glass present, gravel is rounded to subrounded.	NA	NA	1500 cpm OVA = >10 ppm
2 4	FMP-PS-07-030	7/14/ 22/62	12	Black (7.5 YR 2/0) coarse (-) medium to fine (+) sand some silt size material (same as above, size difference only), moist, trace (-) clay lenses mixed throughout.	NA	NA	170 cpm OVA = 5 ppm
4 6	NA	44/17/ 100-4"	0	Piece of wood (oak) in split spoon, end wood - 2" X 1" X 3" wet.	NA	NA	300 cpm OVA = 1 ppm
6 8	NA	21/100-3"	0	Wood chips in sampler, oily liquid in sampler.	NA	NA	No readings
8 10	NA	12/11/ 10/13	0	Wood chips in sampler, oily liquid in sampler.	NA	NA	No readings
10 12	FMP-PS-07-031	21/46/ 104/58	8	Black stain, oily, coarse to fine sand, little fine gravel, glass, saturated.	NA	NA	300 cpm OVA = 5 ppm
12 14	FMP-PS-07-032	6/8/ 14/8	10	Light olive brown CLAY trace silt, moist, piece of twisted aluminum (can-pop).	NA	NA	250 cpm OVA = 20 ppm

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T OVA - background = 1 ppm

Sample FMP-PS-07-026 and FMP-PS-07-027 are composites of entire boring.

FERNALD/07-03.DRW/mb/8-6-93

5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 07-03 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG AND SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481728.53,1378616.38	DATE OF COMPLETION: 4/28/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	NA	5/10/ 21/14	0	Coarse angular gravel in sand trap of sampler, piece of glass, a few medium gravel and small balls of clay loose in sampler.	NA	NA	No readings
16 18	NA	12/14/ 11/14	0		NA	NA	No readings
				Total Depth = 18 Ft.			

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Log Book #44, Field Sampling Log Book #42A.

cpm - counts per minute read with HP-210T OVA - background 1 ppm

Sample FMP-PS-07-026 and FMP-PS-07-027 are composites of entire boring.

FERNALD/07-03A.DRW/mb/8-6-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER:	PROJECT NAME:	DATE OF COMPLETION: 5/5/87
OLD/NEW WELL ID: 07-04 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG, SPLIT SPOON SAMPLING	CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481729.66,1378575.50	PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-04-036 FMP-PS-04-037	6/11/14/22	15 1/2	(10 YR 3/3) dark brown CLAY, trace, silt trace of gravel, mottled one gravel is black porous, lite like coke	NA	NA	200 cpm OVA = 1ppm
2 4	FMP-PS-04-038 FMP-PS-04-039	11/13/19/16	19 1/2	10" same as above 9 1/2" very dark gray (5 Y 3/1) medium to fine SAND little (+) silt material trace of fine gravel (gravel is rounded, mixed throughout and lighter colored, has faint reddish orange color in the right light) material is moist loose, looks chard	NA	NA	200 cpm OVA = 1ppm
4 6	FMP-PS-04-040 FMP-PS-04-041	7/7/5/5	16	Same as above, wet trace (-) medium gravel the fine gravel color is dark reddish brown (2.5 YR 3/4)	NA	NA	180 cpm OVA = 1ppm
6 8	FMP-PS-04-042	3/4/3/5	10	Same as above, wet trace (-) medium gravel the fine gravel color is dark reddish brown (2.5 YR 3/4), wet	NA	NA	200 cpm OVA = 2 ppm
8 10	FMP-PS-04-043 FMP-PS-04-044	3/3/1/1	17 1/2	11 1/2 inch same as above/wet 6 1/2 inch silt size soft material with many colors in 1/4 - 1/2 layers (well layered)-colors from top to bottom 10 YR 4/4 weak red, (10 YR 6/1), reddish gray (7.5 YR 6/6) reddish yellow, (7.5 YR 8/2) pinkish white, (7.5 YR 6/2), pinkish gray, 10 YR 5/1 gray, material was wet, sof, well layered	NA	NA	190 cpm 350 cpm OVA = 1.5 ppm
10 12	FMP-PS-04-045 FMP-PS-04-046	0/0/0/3	16	8 inch same as above, with the addition of lime green similar to (5 G 7/2) pale green, (7.5 YR 7/1) pink, (2.5 Y 3/0) very dark gray, wet 8 inch light olive brown (2.5Y 5/6) clay moist	NA	NA	500 cpm
12 14	NA	4/7/8/11	0		NA	NA	No reading

NOTES:

Visual classification of soils compiled from Characterization Investigation Study, Geologist Logbook #44, Field Sampling Logbook #42A.

Samples FMP-07-033, 034, & 035 are composites of entire boring.

cpm - counts per minute

OVA - background = 1 ppm

-5129

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 07-04 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG, SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 481729.66,1378575.50	DATE OF COMPLETION: 5/5/87 PAGE 2 OF 2

DEPTH INCHES	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	FMP-PS -07-047	10/17/ 14/19	12	Light olive brown (2.5 Y 5/6) CLAY moist, gray mottling throughout, soft in spots gray mottled area dark grayish brown (2.5 Y 4/2) trace medium to fine gravel	NA	NA	150 cpm
				Total Depth = 16 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-07-033, 034, and 035 are composites of entire boring

cpm - counts per minute

OVA - background = 1 ppm

FERNALD/we807a.DRW/fj/8-6-93

VISUAL CLASSIFICATION OF SOILS

-5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 07-05 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON, INC. COORDINATES: 481655.38,1378548.38	DATE OF COMPLETION: 5/6/87 PAGE 1 OF 1

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-07-064 FMP-PS-07-065	12/24/25/26	15	13 inches 10 YR 4/4 dark yellowish brown, some silt, trace fine gravel, damp, trace medium gravel mottled 2 inch very dark gray (10 YR 3/1) coarse to fine SAND, little (+) silt material, trace of fine gravel moist, soft same material at boring 4 (1000S, 2025E) 2' 9-1/2" - 8' 6-1/2"	NA	NA	220 cpm OVA = 1.1 ppm
3 4	FMP-PS-07-066 FMP-PS-07-067	10/12/9/9	17	Same as above 2 inch of very dark gray, wet	NA	NA	80 cpm OVA = 1 ppm
4 6	FMP-PS-07-068 FMP-PS-07-069	7/6/6/4	19	Same as above, wet	NA	NA	80 cpm OVA = 15 ppm
6 8	FMP-PS-07-070	2/5/2/2	9	3 inch same as above, wet 6 inch silt size soft material with array of colors some as boring #4 (10005, 2025E) see boring #4 burn pit for colors, wet	NA	NA	600 cpm OVA = 1.2 ppm
8 10	FMP-PS-07-071	2/2/7/7	13	Same as above (6'3" to 6'4") multicolored-Clay in end of split spoon, light olive brown (5/6 2.5) moist	NA	NA	400 cpm
10 12	FMP-PS-07-072	2/2/7/7	9	Light olive brown (2.5 5/6) CLAY moist, mottled, soft in places dense	NA	NA	100 cpm
				Total Depth = 12 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-07-048, 049, 050, & 073, are composite samples of entire boring

cpm - counts per minute read with HP-210T

OVA - background = 1 ppm

FERNALD/WELL0705.DRW/1/8-7-93

VISUAL CLASSIFICATION OF SOILS

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 07-06 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY- ROY F. WESTON, INC. COORDINATES: 481630.91,1378527.75	DATE OF COMPLETION: 5/6/87 PAGE 1 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
0 2	FMP-PS-07-053 FMP-PS-07-054	9/16/ 33/44	19	8 inch (7.5 YR 4/6) strong brown CLAY trace sand, damp, trace fine gravel, grass on top, grass roots 9 inches (7.5 YR 4/6) strong brown coarse to fine sand, trace coarse to fine gravel, little (-) silt moist 2 inch (10 YR 3/1) very dark gray medium fine sand and silt size material, trace fine gravel damp same as material 2' 9 1/2" - 8' 6 1/2" at boring #4, burn pit (E2025, S1000)	NA	NA	200 cpm OVA = 10 ppm
2 4	FMP-PS-07-055 FMP-PS-07-056	4/13/ 33/44	23	Same as last 2 " above, moist	NA	NA	130 cpm OVA = 7 ppm
4 6	FMP-PS-07-057 FMP-PS-07-058	8/7/ 6/6	21	Same as above 1'5" - 3'11" slight moisture increase	NA	NA	170 cpm OVA = 3 ppm
6 8	FMP-PS-07-059 FMP-PS-07-060	6/7/ 10/5	15 1/2	6" same as above with increase of coarse sand, more coarse to fine sand little silt size material 9 1/2 multicolored silt size material described before boring 4 (1000S 2025E)	NA	NA	90 cpm OVA = 2 ppm 250 cpm
8 10	NA	1/2/ 2/2	3	Same as above multicolored, not enought to fill rad sample	NA	NA	300 ppm OVA = 4
10 12	NA	4/5/ 2/1	4	Same as above not enough for full sample 4" was put in rad jar	NA	NA	200 cpm OVA = 1 ppm
12 14	FMP-PS-07-061	5/7/ 10/17	4 1/2	1/2" same as above 4 " olive gray (5 Y 4/2) CLAY moist, dense, light olive brown, (2.5 Y 5/6) color at bottom 1 1/2" color change only - oxidation maybe?	NA	NA	300 cpm OVA = 1.7 ppm

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-07-051, 052, & 063, are composite samples of entire boring

cpm - counts per minute read with HP-210T

OVA - background = 1 ppm

VISUAL CLASSIFICATION OF SOILS

-5129

PROJECT/TASK NUMBER: OLD/NEW WELL ID: 07-06 ENGIN./GEOLOGIST: V. PEERS DRILLING METHODS: DRILL RIG & SPLIT SPOON SAMPLING	PROJECT NAME: CHARACTERIZATION INVESTIGATION STUDY-ROY F. WESTON,INC. COORDINATES: 481630.91,1378527.75	DATE OF COMPLETION: 5/6/87 PAGE 2 OF 2

DEPTH FEET	SAMPLE NUMBER	BLOWS ON SAMPLE	RECOVERY INCHES	DESCRIPTION	USCS	TSF	FIELD INSTRUMENT READINGS
14 16	FMP-PS -07-062	6/7/ 9/12	6 1/2	Same CLAY as above, predominatly light olive brown (2.5 Y 5/6) mottled. Sample is covered on outside with black liquid off material above	NA	NA	400 cpm
				Total Depth = 16 FT.			

NOTES:

Visual Classification of soils compiled from Characterization Investigation Study, Geologist Logbook # 44, Field Sampling Logbook # 42A.

Samples FMP-PS-07-051, 052, & 063, are composite samples of entire boring

cpm - counts per minute read with HP-210T

OVA - background = 1 ppm

FERNALD/WEL0706a.DRW/9/8-7-93

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1776	COORDINATES: NORTH 481,718.86 EAST 1,378,630.15	DATE: 07/30/91
GROUND ELEVATION: 584.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/30/91
ENGINEER/GEOLOGIST: HARRIS/ MULDER	Depth N/A Date/Time N/A	DATE COMPLETED: 07/30/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63166	07/30/91 1000	21	6	DENSE (10YR 6/6) BROWNISH YELLOW SILTY CLAY, SPARSE, MEDIUM ANGULAR GRAVEL, GOOD COHESION, NON PLASTICITY, VERY DRY.	CL	4.0	Hnu=0 ppm α =0 cpm βγ =0 cpm
1.0	63167	07/30/91 1000	43	6	DENSE (10YR 6/6) BROWNISH YELLOW SILTY CLAY, SPARSE, MEDIUM ANGULAR GRAVEL, GOOD COHESION, NON PLASTICITY, VERY DRY.	CL	>4.0	Hnu=0 ppm α =0 cpm βγ =0 cpm
1.5	63168	07/30/91 1000	28	6	DENSE (10YR 6/6) BROWNISH YELLOW SILTY CLAY, SPARSE, MEDIUM ANGULAR GRAVEL, GOOD COHESION, NON PLASTICITY, VERY DRY.	CL	4.0	Hnu=0 ppm α =0 cpm βγ =0 cpm
2.0	63169	07/30/91 1005	18	6	DENSE (10YR 6/8) BROWNISH YELLOW SILTY CLAY, ROUNDED QUARTZ GRAVEL, POOR COHESION AND PLASTICITY, VERY DRY.	CL	3.0	Hnu=0 ppm α =0 cpm βγ =0 cpm
2.5	63170	07/30/91 1005	20	6	DENSE (10YR 3/2) VERY DRY, GRAYISH BROWN SILTY CLAY, ROOTLETS PRESENT, MODERATE COHESION AND PLASTICITY, DRY TO SLIGHTLY MOIST.	CL	3.0	Hnu=0 ppm α =0 cpm βγ =0 cpm
3.0	63172	07/30/91 1005	16	6	DENSE (10YR 3/2) VERY DRY, GRAYISH BROWN SILTY CLAY, ROOTLETS PRESENT, MODERATE COHESION AND PLASTICITY, DRY TO SLIGHTLY MOIST.	CL	3.0	Hnu=0 ppm α =0 cpm βγ =0 cpm
3.5	63173	07/30/91 1010	8	6	MEDIUM DENSE (10YR 4/6) DARK YELLOWISH BROWN SILTY CLAY, POOR COHESION, SLIGHTLY MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βγ =0
4.0	63174	07/30/91 1010	13	6	MEDIUM DENSE (10YR 4/6) DARK YELLOWISH BROWN SILTY CLAY, POOR COHESION, SLIGHTLY MOIST.	CL	2.0	Hnu=0 ppm α =0 cpm βγ =0 cpm
4.5	63175	07/30/91 1010	6	0	NO RECOVERY.			
6.0	63176	07/30/91 1020		18	SHELBY TUBE COULD ONLY BE DRIVEN 1.5 . 1.5 OF RECOVERY.			
6.5	63147	07/30/91 1030		6	LOOSE (2.5Y 4/2) DARK GRAYISH BROWN SILTY CLAY, MODERATE COHESION AND PLASTICITY, WET.	ML	0.5	Hnu=3 ppm α =0 cpm βγ =600 cpm
7.0	63148	07/30/91 1030	25	6	LOOSE (2.5Y 4/2) DARK GRAYISH BROWN SILTY CLAY, MODERATE COHESION AND PLASTICITY, WET.	ML	0.5	Hnu=3 ppm α =0 cpm βγ =600 cpm
7.5	63177	07/30/91 1030	19	0	NO RECOVERY.			
8.0	63178	07/30/91 1045	21	6	LOOSE (7.5YR N31) VERY DARK GRAY, MEDIUM TO FINE SAND, POOR COHESION, NO PLASTICITY, WET.	SC	NA	Hnu=1 ppm α =0 cpm βγ =500 cpm
8.5	63179	07/30/91 1045	50	6	LOOSE (7.5YR N31) VERY DARK GRAY, MEDIUM TO FINE SAND, POOR COHESION, NO PLASTICITY, WET.	SC	NA	Hnu=3 ppm α =0 cpm βγ =700 cpm
9.0	63181	07/30/91 1045	48	6	LOOSE (7.5YR N31) VERY DARK GRAY, MEDIUM TO FINE SAND, POOR COHESION, NO PLASTICITY, WET, WITH SMALL AMOUNT OF GREASY SILVER MATERIAL.	SC	NA	Hnu=1 ppm α =0 cpm βγ =1000 cpm
9.5	63182	07/30/91 1135	3	6	LOOSE (10YR 4/6) DARK YELLOWISH BROWN CLAYEY SILT, MODERATE COHESION & PLASTICITY, SLIGHTLY MOIST, MATERIAL MAY HAVE SLUFFED FROM UPPER WELL.			Hnu=0 ppm α =0 cpm βγ =0 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1776	COORDINATES: NORTH 481,718.86 EAST 1,378,630.15	DATE: 07/30/91
GROUND ELEVATION: 584.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/30/91
ENGINEER/GEOLOGIST: HARRIS/ MULDER	Depth N/A Date/Time N/A	DATE COMPLETED: 07/30/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 4

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
10.0	63183	07/30/91	1135	38	6	DENSE (7.5YR N21) BLACK SILTY MATERIAL, CHARRED WOOD & CHARCOAL, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =0 cpm
10.5	63184	07/30/91	1135	15	6	MEDIUM DENSE (10YR 5/2) GRAYISH BROWN SANDY GRAVEL (ANGULAR) POOR COHESION, SLIGHTLY MOIST.	SP	NA	Hnu=0 ppm α =0 cpm βΓ =0 cpm
11.0	63185	07/30/91	1140	15	6	DENSE (10YR 4/2) DARK GRAYISH BROWN CLAY MATRIX WITH ANGULAR GRAVEL, BROKEN GLASS, BRICK, MODERATE COHESION, SLIGHTLY MOIST.	GC	2.0	Hnu=0 ppm α =0 cpm βΓ =1800 cpm
11.5	63186	07/30/91	1140	21	6	DENSE (10YR 4/2) DARK GRAYISH BROWN CLAY MATRIX WITH ANGULAR GRAVEL, BROKEN GLASS, BRICK, MODERATE COHESION, SLIGHTLY MOIST.	GC	2.5	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
12.0	63188	07/30/91	1140	24	6	DENSE (10YR 4/2) DARK GRAYISH BROWN CLAY MATRIX WITH ANGULAR GRAVEL, BROKEN GLASS, BRICK, MODERATE COHESION, SLIGHTLY MOIST.	GC	2.5	Hnu=0 ppm α =0 cpm βΓ =3000 cpm
12.5	63189	07/30/91	1405	11	6	VERY LOOSE (2.5Y 3/3) DARK OLIVE BROWN CLAY WITH SPARSE COARSE ANGULAR GRAVEL, LOW COHESION AND PLASTICITY, WET.	GC	NA	Hnu=0 ppm α =0 cpm βΓ =400 cpm
13.0	63190	07/30/91	1405	9	6	VERY LOOSE (2.5Y 3/3) DARK OLIVE BROWN CLAY WITH SPARSE COARSE ANGULAR GRAVEL, LOW COHESION AND PLASTICITY, WET.	GC	NA	Hnu=0 ppm α =0 cpm βΓ =500 cpm
13.5	63191	07/30/91	1405	6	6	VERY LOOSE (2.5Y 3/3) DARK OLIVE BROWN CLAY WITH SPARSE COARSE ANGULAR GRAVEL, LOW COHESION AND PLASTICITY, WET.	GC	NA	Hnu=0 ppm α =0 cpm βΓ =500 cpm
14.0	63192	07/30/91	1420	6	6	VERY LOOSE (2.5Y 3/3) DARK OLIVE BROWN CLAY WITH SPARSE COARSE ANGULAR GRAVEL, LOW COHESION AND PLASTICITY, WET, LARGE PIECE OF WOOD IN SHOE OF SPOON.	GC	NA	Hnu=0 ppm α =0 cpm βΓ =2000 cpm
14.5	63193	07/30/91	1420	20	0	NO RECOVERY.			
15.0	63194	07/30/91	1420	34	0	NO RECOVERY.			
15.5	63195	07/30/91	1450	7	6	DENSE (10YR 3/2) VERY DARK GRAYISH BROWN COARSE SAND GRADING INTO MEDIUM ANGULAR GRAVEL, GOOD COHESION, LOW PLASTICITY, WET.	GP	NA	Hnu=0 ppm α =0 cpm βΓ =1200 cpm
16.0	63196	07/30/91	1450	4	6	DENSE (10YR 3/2) VERY DARK GRAYISH BROWN COARSE SAND GRADING INTO MEDIUM ANGULAR GRAVEL, GOOD COHESION, LOW PLASTICITY, WET, METALLIC & RUBBER DEBRIS.	GP	NA	Hnu=0 ppm α =0 cpm βΓ =1200 cpm
16.5	63197	07/30/91	1450	20	0	NO RECOVERY.			
17.0	63198	07/30/91	1500	13	6	LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN & ANGULAR GRAVEL IN A SILTY CLAY MATRIX, LOW COHESION & PLASTICITY, WET.	GM	NA	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
17.5	63199	07/30/91	1500	8	6	LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN & ANGULAR GRAVEL IN A SILTY CLAY MATRIX, LOW COHESION & PLASTICITY, WET.	GM	NA	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
18.0	63208	07/30/91	1500	5	0	NO RECOVERY.			

NOTES:

FERNALD RI/FS -5129

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1776	COORDINATES: NORTH 481,718.86 EAST 1,378,630.15	DATE: 07/30/91
GROUND ELEVATION: 584.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/30/91
ENGINEER/GEOLOGIST: HARRIS/ MULDER	Depth N/A Date/Time N/A	DATE COMPLETED: 07/30/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 4

DEPTH	SAMPLE DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
18.5	63171 07/30/91 1510	7	6	DENSE (10Y 3/2) VERY DRY, GRAYISH BROWN SILTY CLAY, ROOTLETS ANGULAR GRAVEL & GLASS, LOW COHESION, WET.	GP	NA	Hnu=3 ppm α =0 cpm BΓ =1100 cpm
19.0	63209 07/30/91 1510	8	0	NO RECOVERY.			
19.5	63210 07/30/91 1510	7	0	NO RECOVERY.			
20.0	63211 07/30/91 1540	12	6	VERY LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN CLAY, LARGE AMOUNT OF METAL FRAGMENTS, NO COHESION, VERY WET.			Hnu=5 ppm α =0 cpm BΓ =2500 cpm
20.5	63212 07/30/91 1540	8	6	VERY LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN CLAY, LARGE AMOUNT OF METAL FRAGMENTS, NO COHESION, VERY WET.			Hnu=1 ppm α =0 cpm BΓ =2500 cpm
21.0	63213 07/30/91 1540	7	0	NO RECOVERY.			Hnu=0 ppm α =0 cpm BΓ =2500 cpm
21.5	63214 07/30/91 1550	7	6	LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN GRAVEL IN A COARSE SAND MATRIX, ABUNDANT GLASS, SOME METAL AND WOOD, LOW COHESION, VERY WET.			Hnu=0 ppm α =0 cpm BΓ =1200 cpm
22.0	63215 07/30/91 1550	6	0	NO RECOVERY.			
22.5	63216 07/30/91 1550	4	0	NO RECOVERY.			
23.0	63180 07/30/91 1600	6	6	VERY LOOSE (10Y N31) VERY DARK GRAY, MEDIUM TO FINE SAND, POOR	GP	NA	Hnu=17 ppm α =0 cpm BΓ =2000 cpm
23.5	63217 07/30/91 1600	3	0	NO RECOVERY.			
24.0	63218 07/30/91 1600	3	0	NO RECOVERY.			
24.5	63219 07/30/91 1610	23	6	LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN COARSE SAND WITH SPARSE ANGULAR GRAVEL, ALSO SOME SANDY SILT WITH FINE GRAVEL, NO COHESION, VERY WET.	GP	NA	Hnu=1 ppm α =0 cpm BΓ =3000 cpm
25.0	63220 07/30/91 1610	13	6	LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN COARSE SAND WITH SPARSE ANGULAR GRAVEL, ALSO SOME SANDY SILT WITH FINE GRAVEL, NO COHESION, VERY WET.	GP	NA	Hnu=0 ppm α =0 cpm BΓ =3000 cpm
25.5	63221 07/30/91 1610	21	6	LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN COARSE SAND WITH SPARSE ANGULAR GRAVEL, ALSO SOME SANDY SILT WITH FINE GRAVEL, NO COHESION, VERY WET.	GP	NA	Hnu=0 ppm α =0 cpm BΓ =3000 cpm
26.0	63222 07/30/91 1630	60	6	LOOSE (10YR 3/2) VERY DARK GRAYISH BROWN COURSE SAND WITH SPARSE ANGULAR GRAVEL, LOW COHESION, VERY WET.			Hnu=7 ppm α =0 cpm BΓ =4100 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1776	COORDINATES: NORTH 481,718.86 EAST 1,378,630.15	DATE: 07/30/91
GROUND ELEVATION: 584.8	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/30/91
ENGINEER/GEOLOGIST: HARRIS/ MULDER	Depth N/A Date/Time N/A	DATE COMPLETED: 07/30/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 4 OF 4

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
26.5	63223 07/30/91 1630		30	0	NO RECOVERY.			
27.0	63224 07/30/91 1630		14	0	NO RECOVERY.			
27.5	63225 07/30/91 1640		2	6	LOOSE (2.5Y N51) GRAY SILTY MATERIAL, LARGE ROCK (PROBABLY GRAPHITE) IN SPOON SHOE, NO COHESION OR MATRIX, VERY SOUPY, VERY WET.			Hnu=8 ppm α =0 cpm Bγ =2300 cpm
28.0	63226 07/30/91 1640		3	0	NO RECOVERY.			
28.5	63227 07/30/91 1640		4	0	NO RECOVERY.			
29.0	63228 07/30/91 1647		2	0	NO RECOVERY.			
29.5	63229 07/30/91 1647		2	0	NO RECOVERY.			
30.0	63230 07/30/91 1647		2	0	NO RECOVERY.			
30.5	63231 07/30/91 1700		2	6	LOW DENSITY (5Y 6/4) PALE OLIVE GRAY.	CL	NA	Hnu=10 ppm α =0 cpm Bγ =1500 cpm
31.0	63232 07/30/91 1700		2	0	NO RECOVERY.			
31.5	63233 07/30/91 1700		2	0	NO RECOVERY.			
32.0	63234 07/30/91 1715		2	6	LOW DENSITY (5Y 6/4) PALE OLIVE GRAY.	CL	NA	Hnu=16 ppm α =0 cpm Bγ =1000 cpm
32.5	63235 07/30/91 1715		5	6	LOW DENSITY (5Y 6/4) PALE OLIVE GRAY.	CL	NA	Hnu=0 ppm α =0 cpm Bγ =1000 cpm

BOTTOM OF BORING 32.5

NOTES:

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1777	COORDINATES: NORTH 481,777.74 EAST 1,378,656.58	DATE: 07/27/91
GROUND ELEVATION: 586.10	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/27/91
ENGINEER/GEOLOGIST: HARRIS/ MULDER	Depth N/A Date/Time N/A	DATE COMPLETED: 07/28/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 1 OF 3

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
0.5	63121	07/27/91 1230	19	6	HARD (10YR 6/6) BROWN YELLOW CLAY, LOW COHESION, NO PLASTICITY, VERY DRY.	CL	3.5	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
1.0	63122	07/27/91 1230	32	6	HARD (10YR 6/6) BROWN YELLOW CLAY, LOW COHESION, NO PLASTICITY, VERY DRY.	CL	3.5	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
1.5	63123	07/27/91 1230	52	6	HARD (10YR 6/6) BROWN YELLOW CLAY, LOW COHESION, NO PLASTICITY, VERY DRY.	CL	3.5	Hnu=0 ppm α =0 cpm βΓ =1000 cpm
2.0	63124	07/27/91 1230	30	0	NO RECOVERY.			
2.5	63125	07/27/91 1240	35	6	HARD (10YR 6/6) BROWN YELLOW CLAY, NO COHESION, NO PLASTICITY, VERY DRY.	CL	3.5	Hnu=0 ppm α =0 cpm βΓ =100 cpm
3.0	63126	07/27/91 1240	20	0	NO RECOVERY.			
3.5	63127	07/27/91 1240	19	0	NO RECOVERY.			
4.0	63128	07/27/91 1240	11	0	NO RECOVERY.			
4.5	63129	07/27/91 1315	15	6	HARD (10YR 6/6) BROWN YELLOW CLAY, INTERSPENSED WITH FINE GRAVEL, LOW COHESION, LOW PLASTICITY, DRY.	CL	3.5	Hnu=0 ppm α =0 cpm βΓ =100 cpm
5.0	63130	07/27/91 1315	22	6	DENSE (5Y 2.5/1) BLACK SILTY SAND PROBABLY FLY ASH & SLAC. LOW COHESION, LOW PLASTICITY, SLIGHTLY MOIST.	CL	3.5	Hnu=0 ppm α =0 cpm βΓ =100 cpm
5.5	63131	07/27/91 1315	22	6	DENSE (5Y 2.5/1) BLACK SILTY SAND PROBABLY FLY ASH & SLAC. LOW COHESION, LOW PLASTICITY, SLIGHTLY MOIST.	CL	3.5	Hnu=0 ppm α =0 cpm βΓ =100 cpm
6.0	63132	07/27/91 1330	23	6	DENSE (5Y 2.5/1) BLACK SANDY SILT, LOW COHESION & PLASTICITY, DRY.			Hnu=0 ppm α =0 cpm βΓ =1000 cpm
6.5	63133	07/27/91 1330	25	6	DENSE (5Y 2.5/1) BLACK SANDY SILT, LOW COHESION & PLASTICITY, DRY.			Hnu=0 ppm α =0 cpm βΓ =1200 cpm
7.0	63134	07/27/91 1330	18	6	DENSE (5Y 2.5/1) BLACK SANDY SILT, LOW COHESION & PLASTICITY, DRY.			Hnu=0 ppm α =0 cpm βΓ =1500 cpm
7.5	63135	07/27/91 1400	5	6	MEDIUM DENSE (5Y 2.5/1) BLACK SANDY SILT, LOW COHESION & PLASTICITY, LOOKS LIKE ASH, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =100 cpm
8.0	63136	07/27/91 1400	7	6	MEDIUM DENSE (5Y 2.5/1) BLACK SANDY SILT, LOW COHESION & PLASTICITY, LOOKS LIKE ASH, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =100 cpm

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1777	COORDINATES: NORTH 481,777.74 EAST 1,378,656.58	DATE: 07/27/91
GROUND ELEVATION: 586.10	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/27/91
ENGINEER/GEOLOGIST: HARRIS/ MULDER	Depth N/A Date/Time N/A	DATE COMPLETED: 07/28/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 2 OF 3

DEPTH	SAMPLE DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
8.5	63137 07/27/91 1400	9	6	MEDIUM DENSE (5Y 2.5/1) BLACK SANDY SILT, LOW COHESION & PLASTICITY, LOOKS LIKE ASH, SLIGHTLY MOIST.			Hnu=0 ppm α =0 cpm βΓ =100 cpm
11.5	63138 07/27/91 1430	7	6	DENSE (5Y 2.5/1) BLACK SANDY SILT WITH SPARSE FINE GRAVEL, LOW COHESION, NO PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =100 cpm
12.0	63139 07/27/91 1430	11	6	DENSE (5Y 2.5/1) BLACK SANDY SILT WITH SPARSE FINE GRAVEL, LOW COHESION, NO PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =100 cpm
12.5	63140 07/27/91 1430	5	6	DENSE (5Y 2.5/1) BLACK SANDY SILT WITH SPARSE FINE GRAVEL, LOW COHESION, NO PLASTICITY, MOIST.			Hnu=0 ppm α =0 cpm βΓ =100 cpm
13.0	63141 07/27/91 1430	32	6	DENSE, BROWNISH GRAY COARSE SANDY SILT WITH SPARSE FINE GRAVEL, MODERATE COHESION, MODERATE PLASTICITY.			Hnu=0 ppm α =0 cpm βΓ =125 cpm
13.5	63142 07/27/91 1545	23	6	DENSE (10YR 4/1) DARK GRAY COARSE SAND WITH GRAVEL, LOW COHESION & PLASTICITY VERY MOIST.			Hnu=0 ppm α =0 cpm βΓ =150 cpm
14.0	63143 07/27/91 1545	27	6	DENSE OLIVE BROWN COARSE SAND WITH SPARSE COARSE GRAVEL, LOW COHESION & PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =150 cpm
14.5	63144 07/27/91 1600	3	6	DENSE OLIVE BROWN COARSE SAND WITH SPARSE COARSE GRAVEL, LOW COHESION & PLASTICITY, WET.			Hnu=0 ppm α =0 cpm βΓ =150 cpm
15.0	63145 07/27/91 1600	5	0	NO RECOVERY.			
15.5	63146 07/27/91 1615	15	0	NO RECOVERY, ROCK WAS JAMMED IN THE SIDE OF THE SPOON.			
16.5							
17.0	63149 07/27/91 1640	15	0	NO RECOVERY, ROCK WAS JAMMED IN THE SIDE OF THE SPOON.			
17.5	63150 07/27/91 1645	3	0	NO RECOVERY, ROCK WAS JAMMED IN THE SIDE OF THE SPOON.			
18.0	63151 07/28/91 0830	4	6	LOOSE (5Y 2.5/1) BLACK COARSE SAND WITH FINE GRAVEL, NO MEASURABLE COHESION OR PLASTICITY, VERY WET.			Hnu=0 ppm α =0 cpm βΓ =4200 cpm
18.5	63152 07/28/91 0830	3	0	NO RECOVERY.			
19.0	63153 07/28/91 0830	2	0	NO RECOVERY.			
19.5	63154 07/28/91 0845	1	2	LOOSE GRAVEL & OTHER DEBRIS, GLASS, LERAMIL, STYROFOAM, METAL.			

NOTES:

FERNALD RI/FS

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1777	COORDINATES: NORTH 481,777.74 EAST 1,378,656.58	DATE: 07/27/91
GROUND ELEVATION: 586.10	GWL: Depth N/A Date/Time N/A	DATE STARTED: 07/27/91
ENGINEER/GEOLOGIST: HARRIS/ MULDER	Depth N/A Date/Time N/A	DATE COMPLETED: 07/28/91
DRILLING METHODS: HOLLOW STEM AUGER		PAGE 3 OF 3

DEPTH	SAMPLE	DATE TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
20.0	63155 07/28/91 0845		4	0	NO RECOVERY.			
20.5	63156 07/28/91 0845		5	0	NO RECOVERY.			
21.5	63157 07/28/91 0850		2	0	VERY LOOSE (2Y 2.5/1) BLACK FINE GRAVEL WITH COARSE SAND, DEBRIS, GLASS, ALUMINUM, WOOD.			Hnu=0 ppm α =0 cpm βΓ =3800 cpm
22.0								
22.5	63159 07/28/91 0900		1					

BOTTOM OF BORING 26.0

NOTES:
WELL SET AT 26'

VISUAL CLASSIFICATION OF SOILS -5129

PROJECT NUMBER: 602 3.7	PROJECT NAME: FMPC RI/FS	
BORING NUMBER: 1819	COORDINATES: NORTH 481,712.55 EAST 1,378,621.45	DATE: 10/16/91
GROUND ELEVATION: 584.6	GWL: Depth N/A Date/Time N/A	DATE STARTED: 10/16/91
ENGINEER/GEOLOGIST: KEN MARION	Depth N/A Date/Time N/A	DATE COMPLETED: 10/17/91
DRILLING METHODS: 10" HOLLOW STEM AUGER		PAGE 1 OF 1

DEPTH	SAMPLE	DATE	TIME	BLOWS ON SAMPLE	RECOVERY INCHES		USCS SYMBOL	TSF	REMARKS
6.									
7.0	63885	10/16/91	1550	8 15 18	6	VERY STIFF OLIVE YELLOW (5Y, 6/8) CLAY, MOIST, HIGH PLASTICITY WITH SOME GRAYISH BLACK SAND.	CL	3.0	Hnu=0 ppm α =0 cpm βΓ =150 cpm
7.0	63885	10/16/91	1550	8 15 18	6	VERY STIFF OLIVE YELLOW (5Y, 6/8) CLAY, MOIST, HIGH PLASTICITY WITH SOME GRAYISH BLACK SAND.	CL	3.0	Hnu=0 ppm α =0 cpm βΓ =150 cpm

BOTTOM OF BORING 3

NOTES:
COLORS IDENTIFIED USING MUNSELL COLOR CHART.

-5129

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1776
WELL NUMBER: 1776

FIELD ENG./GEO.: HARRIS/ MULDER DATE: 07/30/91
CHECKED BY : Not Noted DATE: N/A
N,E COORDINATES: 481718.86, 1378630.1
DATE OF INSTAL.: 07/31/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITOR WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 10.0 Ft.
2ND PIPE SECTION: 10.0 Ft.
3RD PIPE SECTION: 5.0 Ft.
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
• HINGED LOCKING COVER W/ PADLOC

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	587.44
GROUND SURFACE	0.0	584.8
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	24.0	N/A	N/A
Bentonite Pellets	24.0	26.0	N/A	N/A
Sand	26.0	32.5	N/A	N/A
PERFORATED SECTION	28.0	32.0	N/A	N/A
WELL TIP	32.5		N/A	
BOTTOM OF BOREHOLE	32.5		N/A	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER BIT DURING WELL INSTALLATION.
COMMENTS:

165

MONITORING WELL INSTALLATION RECORD
11/09/92

PROJECT NAME: Fernald RI/FS
PROJECT NO. : 602.3.2
BORING NO. : 1777
WELL NUMBER: 1777

FIELD ENG./GEO.: HARRIS — DATE: 07/28/91
CHECKED BY : JRW — DATE: 08/08/91
N,E COORDINATES: 481777.74, 1378656.5
DATE OF INSTAL.: 07/28/91

BOREHOLE DRILLING

DRILLING METHOD: AUGER
DRILLING FLUID(S) USED: NONE NOTED
NOTES COMMENTS:

TYPE OF BIT: AUGER
IS CASING TEMPORARY?: No
CASING TYPE : MONITOR WELL
CASING DIAM.: 4.0 In. ID
CASING SIZE(S) USED: (Units N/A)
SIZE: NA FROM: NA TO: NA
SIZE: NA FROM: NA TO: NA

WELL DESCRIPTION

TYPE: MONITORING WELL
DIAMETER OF PERFORATED SECTION:
PERFORATION TYPE: Slots
AVG. SIZE OF PERFORATIONS: 0.01 (In.)
TOTAL PERFORATED AREA: 4.0 Ft.
NOTES/COMMENTS:

RISER PIPE MATERIAL: Stainless Steel
RISER PIPE DIAMETERS:
O.D.: 4 3/8 In. I.D.: 4.0 In.
LENGTH OF 1ST PIPE SECTION: 10.0 Ft.
2ND PIPE SECTION: 10.0 Ft.
3RD PIPE SECTION: 5.0 Ft.
COMMENTS

RISER JOINING METHOD: FLUSH JOINT THREADED

PROTECTION SYSTEM

RISER PROTECTIVE PIPE LENGTH: 5.0 Ft.
PROTECTIVE PIPE O.D.: 10 3 In.
* HINGED LOCKING COVER W/ PADLOC

OTHER PROTECTION (* NOTED BELOW)

ITEM	DISTANCE ABOVE/BELOW GROUND SURFACE	ELEVATION MSL
TOP OF RISER PIPE	2.0 Ft.	588.46
GROUND SURFACE	0.0	N/A
BOTTOM OF PROTECTIVE PIPE	2.5 Ft.	

BOREHOLE FILL MATERIALS	TOP	BOTTOM	TOP	BOTTOM
Grout/Slurry	0.0	17.0	585.8	568.8
Bentonite Pellets	17.0	19.0	568.8	566.8
Sand	19.0	26.0	566.8	559.8
Gravel	NA	NA	NA	NA
PERFORATED SECTION	20.5	25.5	555.3	560.3
WELL TIP	26.0		559.8	
BOTTOM OF BOREHOLE	26.0		559.8	
GWL AFTER INSTALLATION	N/A		N/A	

WAS THE WELL FLUSHED AFTER INSTALLATION? : No
WAS A SENSITIVITY TEST PERFORMED ON THE WELL : No

REMARKS -- COMMENT AREA

REMARKS : WOOD PLUG USED IN AUGER BIT DURING WELL INSTALLATION.
COMMENTS:

A.7.1.2

BURN PIT
PIT MATERIAL
GEOTECHNICAL RESULTS

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

-5129

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD OU1	USCS SYMBOL:	NONPLASTIC
PROJECT NO.:	484296	WATER CONTENT, %:	43.3
CUST. SAMPLE NO.:	63146	LIQUID LIMIT:	NONPLASTIC
ETDC SAMPLE NO.:	ETDC-1343	PLASTICITY INDEX:	NONPLASTIC
SPECIFIC GRAVITY:	3.7429 (MEASURED)	UNIT WEIGHT:	101.4 pcf
		COEF. OF PERMEABILITY:	5.2e-7 cm/s

==========SIEVE ANALYSIS==========

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	98.5
NO. 4	4.750	93.1
NO. 10	2.000	83.5
NO. 20	0.850	77.8
NO. 40	0.425	70.3
NO. 60	0.250	64.0
NO. 140	0.106	51.7
NO. 200	0.075	47.1

==========HYDROMETER ANALYSIS==========

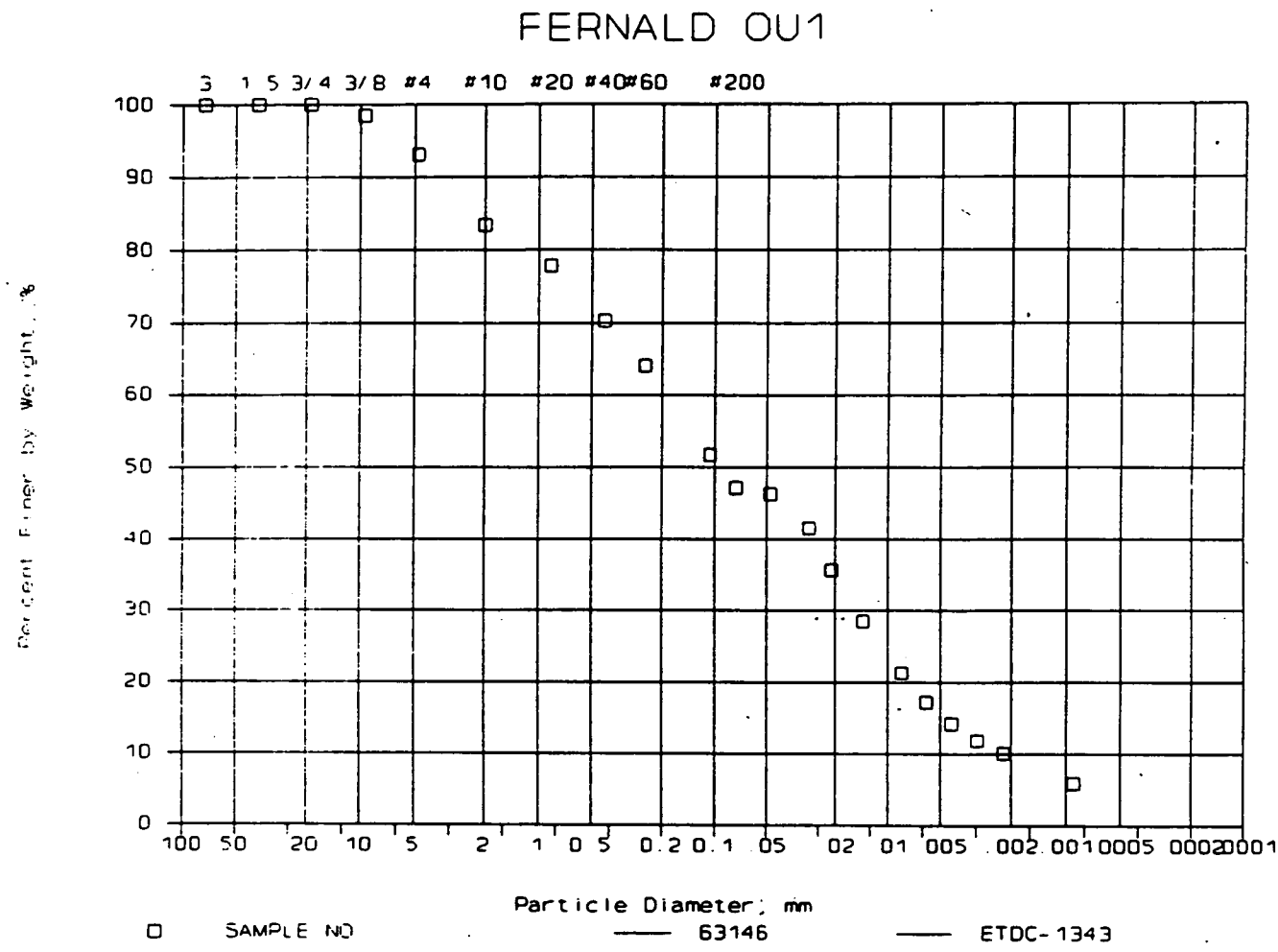
DIAMETER (mm)	PERCENT FINER (%)
0.0475	46.3
0.0284	41.5
0.0210	35.6
0.0138	28.5
0.0083	21.4
0.0060	17.2
0.0043	14.2
0.0031	11.9
0.0022	10.1
0.0009	5.9

682-1-89

Jenny Vance
IT Corporation
February 4, 1992
Client Project ID: FERNALD OU1 ETDC Project No.: 484296

5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN



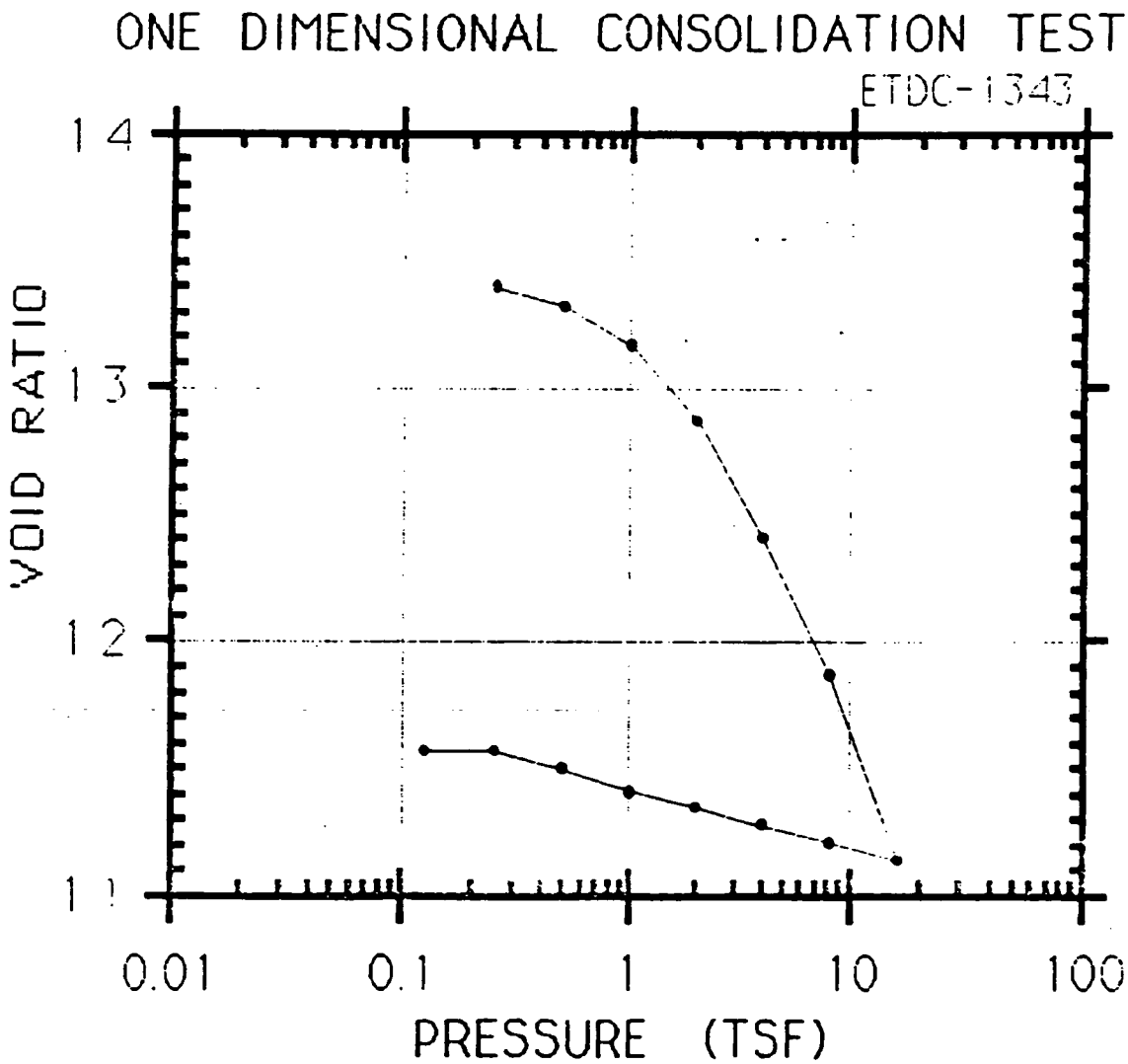
682-1-89

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

-5129

ONE DIMENSIONAL CONSOLIDATION TEST RESULTS

PROJECT NAME: FERNALD OU1
PROJECT NO.: 484296
CUST. SAMPLE NO.: 63146
ETDC SAMPLE NO.: ETDC-1343



682-1-89

Name: Jenny Vance
IT Corporation 5129
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

SAMPLE ANALYSIS RESULTS

PROJECT NAME:	FERNALD	USCS SYMBOL:	NOT REQUESTED
PROJECT NO.:	484170	WATER CONTENT, %:	14.9
CUST. SAMPLE NO.:	63205	LIQUID LIMIT:	NOT REQUESTED
ETDC SAMPLE NO.:	ETDC-658	PLASTICITY INDEX:	NOT REQUESTED
SPECIFIC GRAVITY:	2.7500 (ASSUMED)		

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	88.3
NO. 4	4.750	80.1
NO. 10	2.000	71.8
NO. 20	0.850	62.6
NO. 40	0.425	54.1
NO. 60	0.250	47.1
NO. 140	0.106	38.3
NO. 200	0.075	35.9

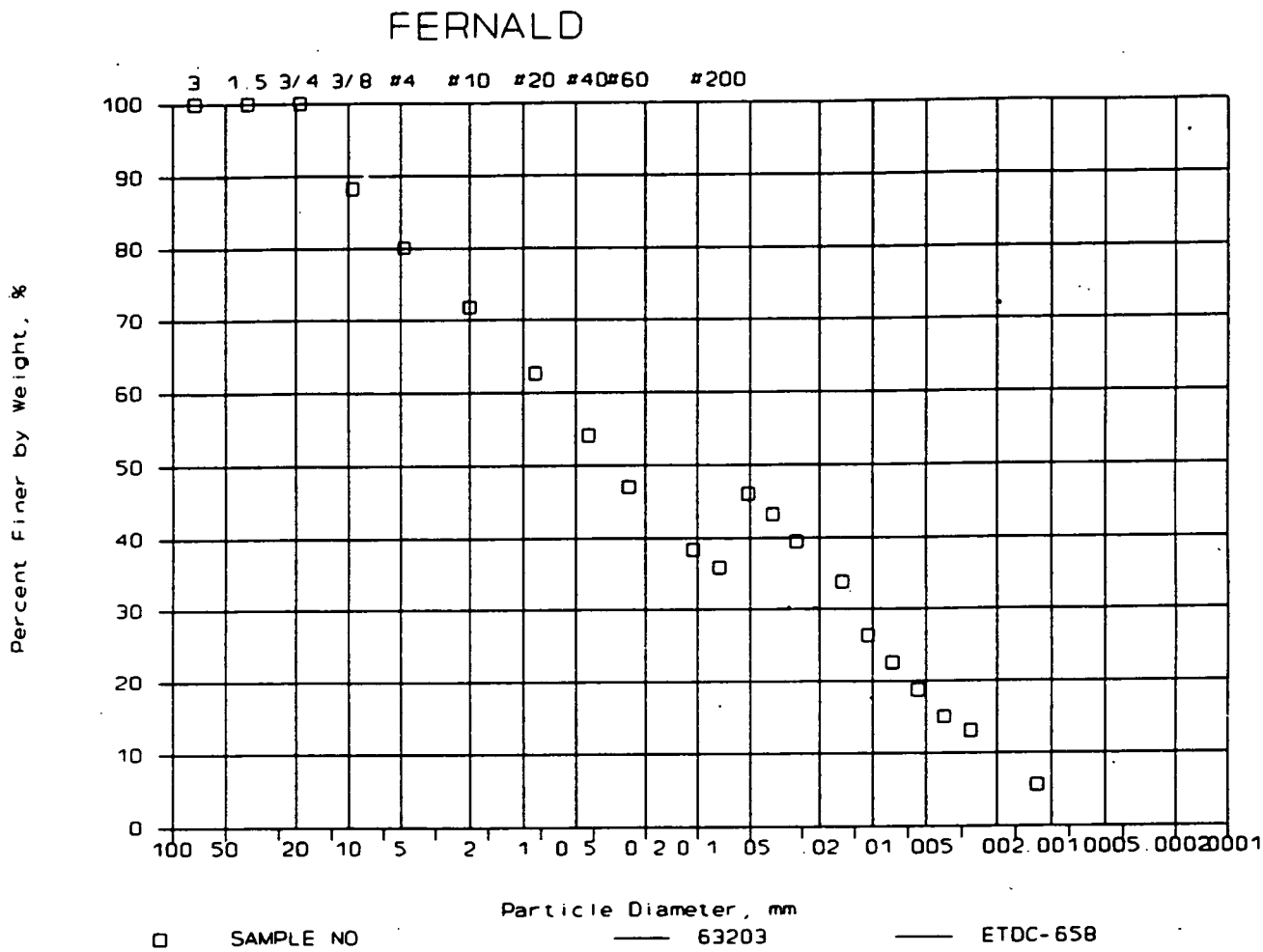
HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0648	46.1
0.0370	43.2
0.0270	39.5
0.0148	33.8
0.0106	26.3
0.0076	22.6
0.0055	18.8
0.0039	15.0
0.0028	13.2
0.0012	5.6

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

-5129



682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald

-5129

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

ETDC Project No.: 484170

SAMPLE ANALYSIS RESULTS

PROJECT NAME: FERNALD
PROJECT NO.: 484170
CUST. SAMPLE NO.: 63164
ETDC SAMPLE NO.: ETDC-637
SPECIFIC GRAVITY: 3.0300 (ASSUMED)

USCS SYMBOL: NOT REQUESTED
WATER CONTENT, %: 25.4
LIQUID LIMIT: NOT REQUESTED
PLASTICITY INDEX: NOT REQUESTED

SIEVE ANALYSIS

SIEVE NO.	DIAMETER (mm)	PERCENT FINER (%)
3.0 in	75.000	100.0
1.5 in	37.500	100.0
0.75 in	19.000	100.0
0.375 in	9.500	94.0
NO. 4	4.750	86.6
NO. 10	2.000	76.7
NO. 20	0.850	65.0
NO. 40	0.425	55.2
NO. 60	0.250	47.9
NO. 140	0.106	36.9
NO. 200	0.075	33.7

HYDROMETER ANALYSIS

DIAMETER (mm)	PERCENT FINER (%)
0.0500	36.9
0.0366	33.1
0.0264	30.8
0.0174	25.6
0.0106	18.8
0.0077	15.0
0.0055	12.8
0.0039	10.5
0.0028	7.5
0.0012	5.3

1059

682-1-89

Name: Jenny Vance
IT Corporation
Date: September 30, 1991
Client Project ID: Fernald ETDC Project No.: 484170

IT ANALYTICAL SERVICES
304 DIRECTORS DRIVE
KNOXVILLE, TN

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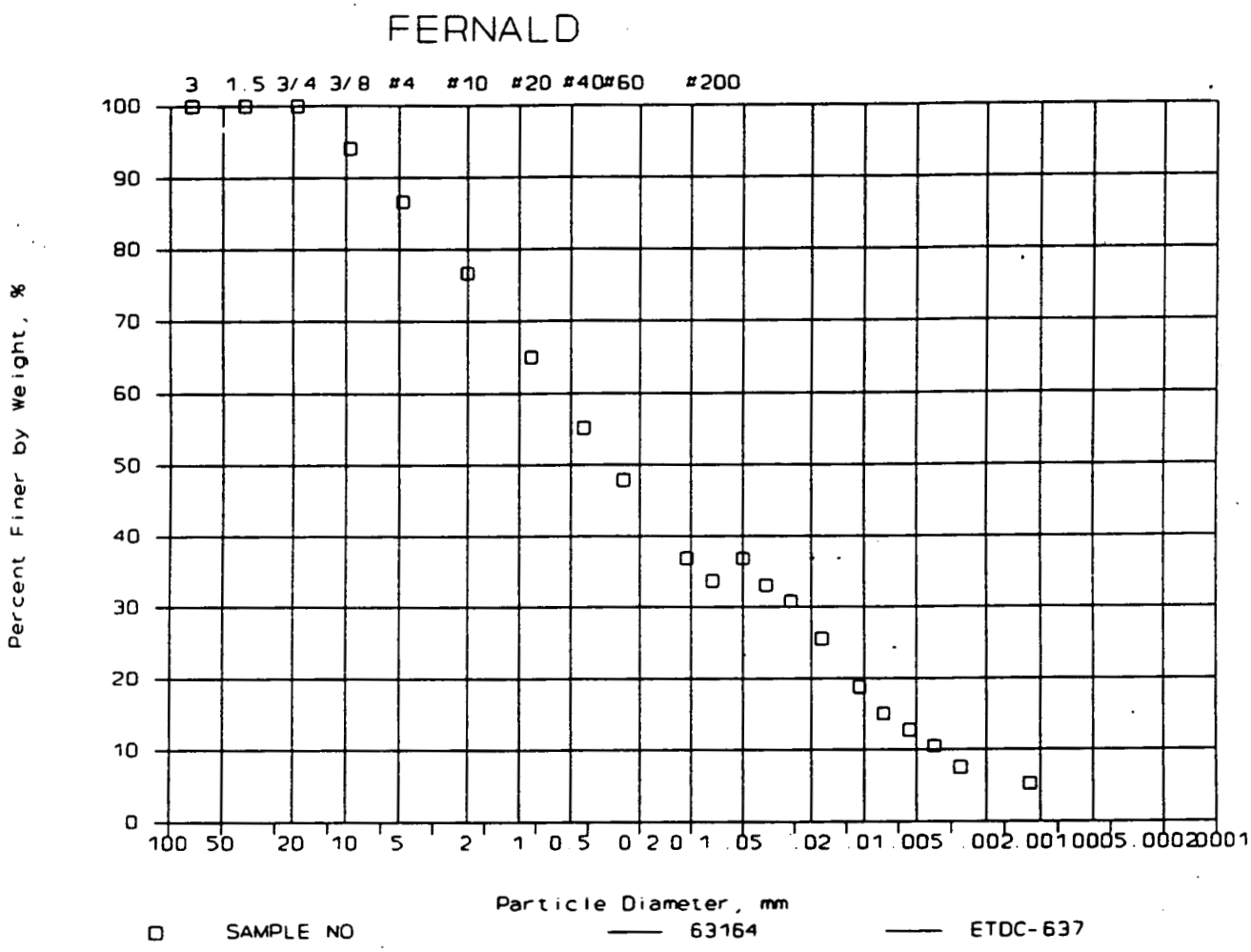

682-1-89

A.7.1.3

BURN PIT
PIT MATERIAL
RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit BURNPIT
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		07-01				07-02				07-03				07-04		
Sample ID:		PS-07-005				PS-07-015				PS-07-027				PS-07-035		
Sample Date:		4/27/87				4/27/87				4/28/87				5/5/87		
Top Depth (ft):		0.0				0.0				0.0				0.0		
Bottom Depth (ft):		10.0				12.0				18				16.0		
CESIUM-137	<	0.2	PCI/G	U	<	0.6	PCI/G	UJ	<	0.2	PCI/G	U	<	0.3	PCI/G	UJ
NEPTUNIUM-237	<	0.1	PCI/G	UJ	<	0.5	PCI/G	UJ	<	0.2	PCI/G	UJ		0.6	PCI/G	-
PLUTONIUM-238	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ		0.5	PCI/G	J	<	0.1	PCI/G	UJ
PLUTONIUM-239/240	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	2.0	PCI/G	UJ	<	2.0	PCI/G	UJ	<	2.0	PCI/G	UJ	<	2.0	PCI/G	UJ
STRONTIUM-90	<	0.50	PCI/G	U	<	0.50	PCI/G	U	<	0.8	PCI/G	UJ	<	0.90	PCI/G	UJ
TECHNETIUM-99	<	1.2	PCI/G	UJ	<	1.3	PCI/G	UJ		60	PCI/G	-		32	PCI/G	-
THORIUM-228		1.5	PCI/G	-		1.8	PCI/G	-		9.6	PCI/G	-		19	PCI/G	J
THORIUM-230		5.7	PCI/G	-		12	PCI/G	-		26	PCI/G	-		218	PCI/G	J
THORIUM-232		1.1	PCI/G	-		1.5	PCI/G	-		7.7	PCI/G	-		21	PCI/G	J
URANIUM-234		9.9	PCI/G	J		108	PCI/G	-		415	PCI/G	-		78	PCI/G	-
URANIUM-235		0.5	PCI/G	-		6.3	PCI/G	-		27	PCI/G	-		6.0	PCI/G	-
URANIUM-238		22	PCI/G	J		139	PCI/G	-		454	PCI/G	-		209	PCI/G	-

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VQ = Validated Qualifier (See list at front of Appendices)
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J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit BURNPIT
Pit Material Radiological Results

Well/Boring:		07-06				07-05		
Sample ID:		PS-07-063				PS-07-073		
Sample Date:		5/6/87				5/6/87		
Top Depth (ft):		0.0				0.0		
Bottom Depth (ft):		16.0				12.0		
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CESIUM-137	<	0.2	PCI/G	U	<	0.3	PCI/G	UJ
NEPTUNIUM-237	<	0.2	PCI/G	UJ		0.5	PCI/G	-
PLUTONIUM-238	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
PLUTONIUM-239/240	<	0.1	PCI/G	UJ		0.4	PCI/G	J
RADIUM-226			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	2.0	PCI/G	UJ	<	2.0	PCI/G	UJ
STRONTIUM-90	<	0.8	PCI/G	UJ	<	0.90	PCI/G	UJ
TECHNETIUM-99		18	PCI/G	-		64	PCI/G	-
THORIUM-228		6.0	PCI/G	-		7.9	PCI/G	-
THORIUM-230		30	PCI/G	-		70	PCI/G	-
THORIUM-232		6.5	PCI/G	-		5.3	PCI/G	-
URANIUM-234		75	PCI/G	-		125	PCI/G	-
URANIUM-235		3.7	PCI/G	-		6.7	PCI/G	-
URANIUM-238		90	PCI/G	-		138	PCI/G	-

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VQ = Validated Qualifier (See list at front of Appendices)
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J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1777					1777					1777					1776			
Sample ID:		063160					063162					063164					063201			
Sample Date:		28-JUL-91					28-JUL-91					28-JUL-91					31-JUL-91			
Top Depth (ft):		0					6.5					0					6.5			
Bottom Depth (ft):		6.5					26					26					19.5			
CESIUM-137	U	.2	PCI/G	UJ		U	.2	PCI/G	UJ							U	.2	PCI/G	U	
GROSS ALPHA		161	PCI/G	NV			937	PCI/G	NV								1247	PCI/G	NV	
GROSS BETA		192	PCI/G	NV			734	PCI/G	NV								900	PCI/G	NV	
PLUTONIUM-238	U	.6	PCI/G	U		U	.6	PCI/G	U							U	.6	PCI/G	U	
PLUTONIUM-239/240		.6	PCI/G	U		U	.6	PCI/G	U							U	.6	PCI/G	U	
RADIUM-226		2.18	PCI/G	J			8.31	PCI/G	J								8.95	PCI/G	-	
RADIUM-228		1.92	PCI/G	J			5.07	PCI/G	J								10.4	PCI/G	-	
RUTHENIUM-106	U	1	PCI/G	UJ		U	1.6	PCI/G	UDJ							U	1.4	PCI/G	DU	
STRONTIUM-90		.5	PCI/G	J		U	.5	PCI/G	UJ							U	.5	PCI/G	U	
TECHNETIUM-99		.792	PCI/G	-			3.29	PCI/G	-								1.47	PCI/G	-	
THORIUM-228		1.96	PCI/G	J			4.71	PCI/G	J								12.4	PCI/G	-	
THORIUM-230		5.32	PCI/G	J			90	PCI/G	J								107	PCI/G	-	
THORIUM-232		1.67	PCI/G	J			5.14	PCI/G	J								14.4	PCI/G	-	
THORIUM-TOTAL		15	UG/G	J			46.4	UG/G	J								130	UG/G	-	
URANIUM-234		40.5	PCI/G	J			417	PCI/G	J								695	PCI/G	-	
URANIUM-235																				
URANIUM-235/236		3.8	PCI/G	J			44.2	PCI/G	J								63.5	PCI/G	E	
URANIUM-238		122	PCI/G	J			539	PCI/G	J								731	PCI/G	C	
URANIUM-TOTAL		455	UG/G	GJ			1473	UG/G	GJ								1684	UG/G	G	
CESIUM-137												20	PCI/L	UJ	Y					
GROSS ALPHA												5876	PCI/L	NV	Y					

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
= Detected
= Not Validated
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Submittal Date: 08-Feb-94
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Well/Boring:		1776				1776			
Sample ID:		063203				063205			
Sample Date:		31-JUL-91				31-JUL-91			
Top Depth (ft):		19.5				0			
Bottom Depth (ft):		32.5				32.5			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CESIUM-137	U	.2	PCI/G	U						
GROSS ALPHA		2539	PCI/G	NV						
GROSS BETA		2063	PCI/G	NV						
PLUTONIUM-238	U	.6	PCI/G	U						
PLUTONIUM-239/240	U	.6	PCI/G	U						
RADIUM-226		39.2	PCI/G	-						
RADIUM-228		9.19	PCI/G	-						
RUTHENIUM-106	U	1.5	PCI/G	DU						
STRONTIUM-90	U	.5	PCI/G	U						
TECHNETIUM-99		.847	PCI/G	-						
THORIUM-228	U	900	PCI/G	DU						
THORIUM-230		4530	PCI/G	-						
THORIUM-232	U	410	PCI/G	DU						
THORIUM-TOTAL	U	3700	UG/G	DU						
URANIUM-234		1711	PCI/G	-						
URANIUM-235										
URANIUM-235/236		102	PCI/G	C						
URANIUM-238		1996	PCI/G	-						
URANIUM-TOTAL		4458	UG/G	G						
CESIUM-137						U	20	PCI/L	R	Y
GROSS ALPHA							17407	PCI/L	NV	Y

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1777					1777					1777					1776			
Sample ID:		063160					063162					063164					063201			
Sample Date:		28-JUL-91					28-JUL-91					28-JUL-91					31-JUL-91			
Top Depth (ft):		0					6.5					0					6.5			
Bottom Depth (ft):		6.5					26					26					19.5			
GROSS BETA												2654	PCI/L	NV	Y					
NEPTUNIUM-237																				
PLUTONIUM-238												1	PCI/L	U	Y					
PLUTONIUM-239/240												1	PCI/L	U	Y					
RADIUM-226												23.6	PCI/L	-	Y					
RADIUM-228												4.5	PCI/L	J	Y					
RUTHENIUM-106												150	PCI/L	UJ	Y					
STRONTIUM-90												5	PCI/L	UJ	Y					
TECHNETIUM-99												31.8	PCI/L	R	Y					
THORIUM-228												2.01	PCI/L	J	Y					
THORIUM-230												2.16	PCI/L	J	Y					
THORIUM-232												1.2	PCI/L	DJ	Y					
THORIUM-TOTAL												10.6	UG/L	DJ	Y					
URANIUM-234																				
URANIUM-235/236																				
URANIUM-238																				
URANIUM-TOTAL												14790	UG/L	G	Y					

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Radiological Results

Well/Boring:		1776					1776			
Sample ID:		063203					063205			
Sample Date:		31-JUL-91					31-JUL-91			
Top Depth (ft):		19.5					0			
Bottom Depth (ft):		32.5					32.5			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
GROSS BETA							4591	PCI/L	NV	Y
NEPTUNIUM-237						U	1.1	PCI/L	UJD	Y
PLUTONIUM-238						U	1	PCI/L	R	Y
PLUTONIUM-239/240						U	1	PCI/L	R	Y
RADIUM-226										
RADIUM-228										
RUTHENIUM-106						U	150	PCI/L	R	Y
STRONTIUM-90						U	5	PCI/L	U	Y
TECHNETIUM-99							25	PCI/L	J	Y
THORIUM-228										
THORIUM-230										
THORIUM-232										
THORIUM-TOTAL										
URANIUM-234							10200	PCI/L	-	Y
URANIUM-235/236							643	PCI/L	-	Y
URANIUM-238							11000	PCI/L	-	Y
URANIUM-TOTAL							33050	UG/L	K	Y

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
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A.7.1.4

BURN PIT
PIT MATERIAL
INORGANIC RESULTS

Characterization Investigation Study - Pit BURNPIT
Pit Material Inorganic Results

Well/Boring:	07-01				07-02				07-03				07-04			
Sample ID:	PS-07-001				PS-07-003				PS-07-026				PS-07-033			
Sample Date:	04/27/87				04/27/87				04/28/87				05/05/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				12.0				18				16			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CYANIDE	U	0.7	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ
ALUMINUM	E	8460	MG/KG	J	E	11900	MG/KG	J	E	7310	MG/KG	J		2910	MG/KG	-
ANTIMONY	U	0.4	MG/KG	UJ	U	0.3	MG/KG	UJ	U	0.3	MG/KG	UJ		0.6	MG/KG	J
ARSENIC	UN	0.4	MG/KG	UJ	UN	0.2	MG/KG	UJ	N	2.0	MG/KG	J		4.4	MG/KG	J
BARIUM	U	50	MG/KG	U	U	56	MG/KG	U		106	MG/KG	-		7100	MG/KG	-
BERYLLIUM	U	0.5	MG/KG	U		0.9	MG/KG	-	U	1	MG/KG	U		16	MG/KG	-
CADMIUM		0.5	MG/KG	-		1.4	MG/KG	-		1.3	MG/KG	-		35	MG/KG	-
CALCIUM	E	116000	MG/KG	J	E	10100	MG/KG	J	E	62500	MG/KG	J		12900	MG/KG	-
CHROMIUM		9.1	MG/KG	J		14	MG/KG	J		14	MG/KG	J		88	MG/KG	-
COBALT	U	2.5	MG/KG	U		3.9	MG/KG	-		22	MG/KG	-		104	MG/KG	-
COPPER	U	12	MG/KG	U	U	13	MG/KG	U		34	MG/KG	U		166	MG/KG	-
CYANIDE	U	0.7	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ	U	0.6	MG/KG	UJ
IRON	E	11200	MG/KG	J	E	14600	MG/KG	J	E	17400	MG/KG	J		5210	MG/KG	-
LEAD	U	6.7	MG/KG	UJ	U	16	MG/KG	UJ		33	MG/KG	J		53	MG/KG	-
MAGNESIUM	E	57100	MG/KG	J	E	5170	MG/KG	J	E	19200	MG/KG	J		18000	MG/KG	-
MANGANESE		288	MG/KG	-		228	MG/KG	-		323	MG/KG	-		1720	MG/KG	-
MERCURY	U	0.1	MG/KG	U	U	0.1	MG/KG	U		0.1	MG/KG	-		0.2	MG/KG	-
NICKEL	U	4.8	MG/KG	U		8.6	MG/KG	-		13	MG/KG	-		60	MG/KG	-
OSMIUM																
POTASSIUM		959	MG/KG	-		486	MG/KG	-		889	MG/KG	-		1450	MG/KG	-
SELENIUM	UN	0.4	MG/KG	UJ	UN	0.3	MG/KG	UJ	UN	0.4	MG/KG	UJ	U	0.4	MG/KG	U
SILVER	UN	1.8	MG/KG	UJ	UN	1.6	MG/KG	UJ	UN	1.5	MG/KG	UJ	J	506	MG/KG	J

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit BURNPIT
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		07-05				07-05				07-06		
Sample ID:		PS-07-048				PS-07-049				PS-07-051		
Sample Date:		05/06/87				05/06/87				05/06/87		
Top Depth (ft):		0.0				0.0				0.0		
Bottom Depth (ft):		12.0				12.0				12.0		
CYANIDE	U	0.7	MG/KG	U	U	0.6	MG/KG	U	U	0.6	MG/KG	U
ALUMINUM	E	4380	MG/KG	J	E	6360	MG/KG	J	E	5820	MG/KG	J
ANTIMONY	UN	1.4	MG/KG	UJ	N	1.9	MG/KG	UJ	N	0.5	MG/KG	UJ
ARSENIC	N	7.7	MG/KG	J	N	9.4	MG/KG	J	N	21	MG/KG	J
BARIUM	N*	211	MG/KG	J	N*	89	MG/KG	J	N*	165	MG/KG	J
BERYLLIUM		0.6	MG/KG	J		0.5	MG/KG	J		1.4	MG/KG	-
CADMIUM		0.8	MG/KG	J		1.8	MG/KG	-		1.0	MG/KG	-
CALCIUM	*	14600	MG/KG	J	*	51400	MG/KG	J	*	21000	MG/KG	J
CHROMIUM	*	8.3	MG/KG	-	*	12	MG/KG	-	*	7.9	MG/KG	-
COBALT		7.3	MG/KG	J		5.5	MG/KG	J		3.9	MG/KG	-
COPPER	N*	30	MG/KG	J	N*	26	MG/KG	J	N*	18	MG/KG	J
CYANIDE	U	0.7	MG/KG	U	U	0.6	MG/KG	U	U	0.6	MG/KG	U
IRON	*E	3750	MG/KG	J	*E	9060	MG/KG	J	E*	5240	MG/KG	J
LEAD	N*	14	MG/KG	J	N*	17	MG/KG	J	N*	7.7	MG/KG	J
MAGNESIUM	*E	3860	MG/KG	J	*E	14500	MG/KG	J	E*	8290	MG/KG	J
MANGANESE	N	121	MG/KG	J	N	284	MG/KG	J	N	119	MG/KG	J
MERCURY	U	0.1	MG/KG	UJ	U	0.1	MG/KG	UJ		0.1	MG/KG	UJ
NICKEL		12	MG/KG	-		16	MG/KG	-		8.9	MG/KG	-
OSMIUM												
POTASSIUM		602	MG/KG	-		739	MG/KG	-		871	MG/KG	-
SELENIUM	UN	0.4	MG/KG	R					N	0.5	MG/KG	J
SILVER	UN	1.4	MG/KG	UJ					N	6.8	MG/KG	J

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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
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Characterization Investigation Study - Pit BURNPIT
Pit Material Inorganic Results

Well/Boring:	07-01				07-02				07-03				07-04			
Sample ID:	PS-07-001				PS-07-003				PS-07-026				PS-07-033			
Sample Date:	04/27/87				04/27/87				04/28/87				05/05/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				12.0				18				16			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
SODIUM	U	83	MG/KG	-	U	72	MG/KG	U		356	MG/KG	-		1270	MG/KG	-
THALLIUM	UN	0.3	MG/KG	UJ	UN	0.2	MG/KG	UJ	UN	0.3	MG/KG	UJ	UN	0.2	MG/KG	UJ
TIN																
VANADIUM	U	20	MG/KG	UJ	U	21	MG/KG	UJ	U	21	MG/KG	UJ		290	MG/KG	-
ZINC		34	MG/KG	J		49	MG/KG	J		65	MG/KG	J		75	MG/KG	J

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U = Undetected
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Characterization Investigation Study - Pit BURNPIT
Pit Material Inorganic Results

Well/Boring:	07-05				07-05				07-06			
Sample ID:	PS-07-048				PS-07-049				PS-07-051			
Sample Date:	05/06/87				05/06/87				05/06/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
SODIUM		540	MG/KG	J						1240	MG/KG	-
THALLIUM		0.5	MG/KG	J						0.5	MG/KG	J
TIN												
VANADIUM		17	MG/KG	-						16	MG/KG	-
ZINC		15	MG/KG	J						15	MG/KG	J

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 15-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

Well/Boring:		1777				1777				1777				1776		
Sample ID:		063130				063135				063146				063147		
Sample Date:		27-JUL-91				27-JUL-91				27-JUL-91				30-JUL-91		
Top Depth (ft):		4.5				7				15				6		
Bottom Depth (ft):		5				7.5				15.5				6.5		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
% Moisture		27	% MOISTU	NV			24	% MOISTU	NV			43.3	% MOISTU	NV			34	% MOISTU	NV	
% Solids																				
Ammonia																				
Bromide																				
Chloride																				
Cyanide																				
Fluoride																				
Nitrate																				
Oil and Grease																				
Phosphate																				
Phosphorus																				
Sulfate																				
Sulfide																				
Total Kjeldahl Nitrogen																				
Total Organic Carbon																				
Total Organic Nitrogen																				
pH																				
Aluminum																				
Antimony																				
Arsenic																				
Barium																				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
= Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

Well/Boring:	1777				1777				1777				1776		
Sample ID:	063160				063162				063164				063171		
Sample Date:	28-JUL-91				28-JUL-91				28-JUL-91				30-JUL-91		
Top Depth (ft):	0				6.5				0				18		
Bottom Depth (ft):	6.5				26				26				18.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
% Moisture		27	% MOISTU	NV		26	% MOISTU	NV		25.4	%	NV		17	% MOISTU	NV
% Solids		83.7	% SOLIDS	NV		73.9	% SOLIDS	NV								
Ammonia																
Bromide																
Chloride																
Cyanide	B	.13	MG/KG	J	B	.21	MG/KG	-								
Fluoride																
Nitrate																
Oil and Grease																
Phosphate																
Phosphorus																
Sulfate																
Sulfide		59.2	MG/KG	-												
Total Kjeldahl Nitrogen																
Total Organic Carbon										152000	MG/KG	J				
Total Organic Nitrogen																
pH																
Aluminum	*	5540	MG/KG	-		5270	MG/KG	-								
Antimony	U	7.2	MG/KG	U	UN	8.1	MG/KG	UJ								
Arsenic	SN	10.6	MG/KG	J	S	12.9	MG/KG	-								
Barium		118	MG/KG	-	N*	299	MG/KG	J								

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776				1776				1776				1819			
Sample ID:		063201				063203				063205				063885			
Sample Date:		31-JUL-91				31-JUL-91				31-JUL-91				16-OCT-91			
Top Depth (ft):		6.5				19.5				0				6.5			
Bottom Depth (ft):		19.5				32.5				32.5				7			
% Moisture						33	% MOISTU	NV						27	% MOISTU	NV	
% Solids		80.1	% SOLIDS	NV		67.1	% SOLIDS	NV									
Ammonia	U	.1	MG/KG	U	U	28.4	MG/KG	U									
Bromide	U	12	MG/KG	U													
Chloride		192	MG/KG	-													
Cyanide	U	.12	MG/KG	U	U	.15	MG/KG	U									
Fluoride		49.1	MG/KG	-													
Nitrate	U	12	MG/KG	U													
Oil and Grease																	
Phosphate																	
Phosphorus		783	MG/KG	-		214	MG/KG	-									
Sulfate		172	MG/KG	-													
Sulfide	U	.5	MG/KG	U													
Total Kjeldahl Nitrogen																	
Total Organic Carbon																	
Total Organic Nitrogen		642	MG/KG	-		461	MG/KG	-									
pH		8.53	S.U.	-													
Aluminum	*	8550	MG/KG	J		6280	MG/KG	-									
Antimony	B	13.4	MG/KG	-	BN	17.8	MG/KG	J									
Arsenic	SN	6.9	MG/KG	J	S	39.2	MG/KG	-									
Barium		295	MG/KG	-	N*	172	MG/KG	J									

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

Well/Boring:	1777				1777				1777				1776		
Sample ID:	063160				063162				063164				063171		
Sample Date:	28-JUL-91				28-JUL-91				28-JUL-91				30-JUL-91		
Top Depth (ft):	0				6.5				0				18		
Bottom Depth (ft):	6.5				26				26				18.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Beryllium	BN	.89	MG/KG	J		1.9	MG/KG	-								
Boron	UN	23.9	MG/KG	UJ	*	31.8	MG/KG	-								
Cadmium	B	.72	MG/KG	-	B	1.3	MG/KG	-								
Calcium		36200	MG/KG	-	*	38100	MG/KG	J								
Chromium	N	14.8	MG/KG	J	N*	46	MG/KG	J								
Cobalt	B	6.7	MG/KG	J	B	13.1	MG/KG	-								
Copper	N*	18.2	MG/KG	J	*	68.3	MG/KG	-								
Iron	E*	11400	MG/KG	J	*	12600	MG/KG	J								
Lead	N*	12.8	MG/KG	J	S*	80.9	MG/KG	J								
Magnesium		9820	MG/KG	-	*	7990	MG/KG	-								
Manganese	E	294	MG/KG	J	*	239	MG/KG	J								
Mercury	U	.12	MG/KG	U	*	.43	MG/KG	-								
Molybdenum		7.5	MG/KG	-	*	10.5	MG/KG	-								
Nickel		16	MG/KG	J	N*	53.4	MG/KG	J								
Potassium	B	871	MG/KG	J	B	1140	MG/KG	-								
Selenium	N	1.2	MG/KG	J	S	2	MG/KG	-								
Silicon	*	1350	MG/KG	J	N*	782	MG/KG	J								
Silver		6.2	MG/KG	J		9.3	MG/KG	-								
Sodium	B	130	MG/KG	-	B	321	MG/KG	-								
Thallium	U	.47	MG/KG	U	U	.54	MG/KG	U								
Tin	U	47.8	MG/KG	U												

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TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776				1776				1776				1819			
Sample ID:		063201				063203				063205				063885			
Sample Date:		31-JUL-91				31-JUL-91				31-JUL-91				16-OCT-91			
Top Depth (ft):		6.5				19.5				0				6.5			
Bottom Depth (ft):		19.5				32.5				32.5				7			
Beryllium	N	1.5	MG/KG	J		1.7	MG/KG	-									
Boron	N	48.2	MG/KG	J													
Cadmium		5.4	MG/KG	-		4.3	MG/KG	-									
Calcium		88900	MG/KG	-	*	72800	MG/KG	J									
Chromium	N	67	MG/KG	J	N*	91.2	MG/KG	J									
Cobalt		39.9	MG/KG	-		111	MG/KG	-									
Copper	N*	259	MG/KG	J	*	226	MG/KG	-									
Iron	E*	31200	MG/KG	J	*	25700	MG/KG	J									
Lead		279	MG/KG	J		254	MG/KG	-									
Magnesium		24600	MG/KG	-	*	25700	MG/KG	J									
Manganese	E	677	MG/KG	J	*	962	MG/KG	J									
Mercury		1.2	MG/KG	-	*	.57	MG/KG	-									
Molybdenum		19.3	MG/KG	-	*	24.8	MG/KG	-									
Nickel		83.7	MG/KG	-	N*	206	MG/KG	J									
Potassium		1250	MG/KG	-	B	1410	MG/KG	-									
Selenium	BWN	.66	MG/KG	J	B	1.2	MG/KG	-									
Silicon	*	1210	MG/KG	J													
Silver		20.4	MG/KG	-		21.6	MG/KG	-									
Sodium	B	495	MG/KG	-	B	812	MG/KG	-									
Thallium	U	.5	MG/KG	U	UW	.59	MG/KG	UJ									
Tin	U	49.9	MG/KG	U													

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

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Well/Boring:	1777				1777				1777				1776		
Sample ID:	063160				063162				063164				063171		
Sample Date:	28-JUL-91				28-JUL-91				28-JUL-91				30-JUL-91		
Top Depth (ft):	0				6.5				0				18		
Bottom Depth (ft):	6.5				26				26				18.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Vanadium		22.4	MG/KG	-		29.4	MG/KG	-								
Zinc		39.9	MG/KG	-		170	MG/KG	-								
% Moisture																
Total Organic Carbon																
Aluminum										984	UG/L	-	Y			
Antimony										95.1	UG/L	UJ	Y			
Arsenic									B	4.8	UG/L	-	Y			
Barium										1290	UG/L	-	Y			
Beryllium										5.1	UG/L	J	Y			
Boron										368	UG/L	J	Y			
Cadmium									B	20.3	UG/L	J	Y			
Calcium										764000	UG/L	-	Y			
Chromium										158	UG/L	J	Y			
Cobalt									B	49.6	UG/L	J	Y			
Copper										53.2	UG/L	J	Y			
Iron									B	94.9	UG/L	-	Y			
Lead										5.9	UG/L	-	Y			
Magnesium										24400	UG/L	-	Y			
Manganese									E	3820	UG/L	J	Y			
Mercury									U	.2	UG/L	U	Y			
Molybdenum										25.5	UG/L	J	Y			

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TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1776					1776					1819			
Sample ID:		063201					063203					063205					063885			
Sample Date:		31-JUL-91					31-JUL-91					31-JUL-91					16-OCT-91			
Top Depth (ft):		6.5					19.5					0					6.5			
Bottom Depth (ft):		19.5					32.5					32.5					7			
Vanadium		36.7	MG/KG	-			43.3	MG/KG	-											
Zinc		505	MG/KG	-			390	MG/KG	-											
% Moisture																				
Total Organic Carbon																				
Aluminum																				
Antimony																				
Arsenic												150	UG/L	-	Y					
Barium												1500	UG/L	-	Y					
Beryllium																				
Boron																				
Cadmium											B	13	UG/L	J	Y					
Calcium																				
Chromium											N	194	UG/L	J	Y					
Cobalt																				
Copper																				
Iron																				
Lead												124	UG/L	-	Y					
Magnesium																				
Manganese																				
Mercury											U	.2	UG/L	U	Y					
Molybdenum																				

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1777					1777					1777					1776			
Sample ID:		063160					063162					063164					063171			
Sample Date:		28-JUL-91					28-JUL-91					28-JUL-91					30-JUL-91			
Top Depth (ft):		0					6.5					0					18			
Bottom Depth (ft):		6.5					26					26					18.5			
Nickel												80.9	UG/L	-	Y					
Potassium												7280	UG/L	-	Y					
Selenium											UN	2	UG/L	UJ	Y					
Silicon												4760	UG/L	-	Y					
Silver												121	UG/L	J	Y					
Sodium												1050000	UG/L	R	Y					
Thallium											UW	2	UG/L	UJ	Y					
Vanadium												70.2	UG/L	J	Y					
Zinc												513	UG/L	-	Y					

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1991 RI/FS - Pit BURN_PIT
Pit Material Inorganic Results

Well/Boring:		1776				1776				1776				1819				
Sample ID:		063201				063203				063205				063885				
Sample Date:		31-JUL-91				31-JUL-91				31-JUL-91				16-OCT-91				
Top Depth (ft):		6.5				19.5				0				6.5				
Bottom Depth (ft):		19.5				32.5				32.5				7				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Nickel																				
Potassium																				
Selenium												190	UG/L	-	Y					
Silicon																				
Silver											N	121	UG/L	J	Y					
Sodium																				
Thallium																				
Vanadium																				
Zinc																				

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Submittal Date: 08-Feb-94
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A.7.1.5

BURN PIT
PIT MATERIAL
ORGANIC RESULTS

Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-01				07-02				07-03				07-04			
Sample ID:	PS-07-001				PS-07-003				PS-07-026				PS-07-033			
Sample Date:	04/27/87				04/27/87				04/28/87				05/05/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				12.0				18				16			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	42	UG/KG	U	U	100	UG/KG	U	U	19	UG/KG	U	U	19	UG/KG	U
4,4-DDE	U	42	UG/KG	U	U	100	UG/KG	U	U	19	UG/KG	U	U	.1	UG/KG	U
4,4-DDT	U	42	UG/KG	U	U	100	UG/KG	U	U	19	UG/KG	U	U	19	UG/KG	U
ALDRIN	U	21	UG/KG	U	U	50	UG/KG	U	U	9.6	UG/KG	U	U	.05	UG/KG	U
ALPHA-BHC	U	21	UG/KG	U	U	50	UG/KG	U	U	9.6	UG/KG	U	U	9.4	UG/KG	U
AROCLOR 1016	U	210	UG/KG	U	U	500	UG/KG	U	U	96	UG/KG	U	U	.5	UG/KG	U
AROCLOR 1221	U	210	UG/KG	U	U	500	UG/KG	U	U	96	UG/KG	U	U	.5	UG/KG	U
AROCLOR 1232	U	210	UG/KG	U	U	500	UG/KG	U	U	96	UG/KG	U	U	.5	UG/KG	U
AROCLOR 1242		290	UG/KG	-	U	500	UG/KG	U	U	96	UG/KG	U	U	.5	UG/KG	U
AROCLOR 1248	U	210	UG/KG	U	U	500	UG/KG	U		200	UG/KG	-	U	.5	UG/KG	U
AROCLOR 1254	J	147	UG/KG	J		2700	UG/KG	-	U	190	UG/KG	U	U	77	UG/KG	J
AROCLOR 1260	U	420	UG/KG	U	U	1000	UG/KG	U	U	190	UG/KG	U	U	1	UG/KG	U
BETA-BHC	U	21	UG/KG	U	U	50	UG/KG	U	U	9.6	UG/KG	U	U	9.4	UG/KG	U
CHLORDANE	U	210	UG/KG	U	U	97	UG/KG	U	U	96	UG/KG	U	U	.5	UG/KG	U
DELTA-BHC	U	21	UG/KG	U	U	50	UG/KG	U	U	9.6	UG/KG	U	U	9.4	UG/KG	U
DIELDRIN	U	42	UG/KG	U	U	100	UG/KG	U	U	19	UG/KG	U	U	.05	UG/KG	U
ENDOSULFAN I	U	21	UG/KG	U	U	50	UG/KG	U	U	9.6	UG/KG	U	U	.05	UG/KG	U
ENDOSULFAN II	U	42	UG/KG	U	U	100	UG/KG	U	U	19	UG/KG	U	U	19	UG/KG	U
ENDOSULFAN SULFATE	U	42	UG/KG	U	U	100	UG/KG	U	U	19	UG/KG	U	U	19	UG/KG	U
ENDRIN	U	42	UG/KG	U	U	100	UG/KG	U	U	19	UG/KG	U	U	.1	UG/KG	U
ENDRIN KETONE	U	42	UG/KG	U	U	100	UG/KG	U	U	19	UG/KG	U	U	.1	UG/KG	U
GAMMA-BHC(Lindane)	U	9.7	UG/KG	U	U	50	UG/KG	U	U	9.6	UG/KG	U	U	9.4	UG/KG	U

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J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-05				07-05				07-06			
Sample ID:	PS-07-048				PS-07-049				PS-07-051			
Sample Date:	05/06/87				05/06/87				05/06/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	110	UG/KG	U	U	20	UG/KG	U	U	39	UG/KG	U
4,4-DDE	U	110	UG/KG	U	U	20	UG/KG	U	U	39	UG/KG	U
4,4-DDT	U	110	UG/KG	U	U	20	UG/KG	U	U	39	UG/KG	U
ALDRIN	U	54	UG/KG	U	U	10	UG/KG	U	U	20	UG/KG	U
ALPHA-BHC	U	54	UG/KG	U	U	10	UG/KG	U	U	20	UG/KG	U
AROCLOR 1016	U	540	UG/KG	U	U	100	UG/KG	U	U	200	UG/KG	U
AROCLOR 1221	U	540	UG/KG	U	U	100	UG/KG	U	U	200	UG/KG	U
AROCLOR 1232	U	540	UG/KG	U	U	100	UG/KG	U	U	200	UG/KG	U
AROCLOR 1242	U	540	UG/KG	U	J	100	UG/KG	U	J	200	UG/KG	U
AROCLOR 1248	U	540	UG/KG	U	U	100	UG/KG	U	U	200	UG/KG	U
AROCLOR 1254		1957	UG/KG	-	J	45	UG/KG	J	U	390	UG/KG	U
AROCLOR 1260	U	1100	UG/KG	U	U	200	UG/KG	U	U	390	UG/KG	U
BETA-BHC	U	54	UG/KG	U	U	10	UG/KG	U	U	20	UG/KG	U
CHLORDANE	U	540	UG/KG	U	U	100	UG/KG	U	U	200	UG/KG	U
DELTA-BHC	U	54	UG/KG	U	U	10	UG/KG	U	U	20	UG/KG	U
DIELDRIN	U	110	UG/KG	U	U	20	UG/KG	U	U	39	UG/KG	U
ENDOSULFAN I	U	54	UG/KG	U	U	10	UG/KG	U	U	20	UG/KG	U
ENDOSULFAN II	U	110	UG/KG	U	U	20	UG/KG	U	U	39	UG/KG	U
ENDOSULFAN SULFATE	U	110	UG/KG	U	U	20	UG/KG	U	U	39	UG/KG	U
ENDRIN	U	110	UG/KG	U	U	20	UG/KG	U	U	39	UG/KG	U
ENDRIN KETONE	U	110	UG/KG	U	U	20	UG/KG	U	U	39	UG/KG	U
GAMMA-BHC(Lindane)	U	54	UG/KG	U	U	10	UG/KG	U	U	20	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-01				07-02				07-03				07-04			
Sample ID:	PS-07-001				PS-07-003				PS-07-026				PS-07-033			
Sample Date:	04/27/87				04/27/87				04/28/87				05/05/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				12.0				18				16			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	21	UG/KG	U	U	50	UG/KG	U	U	9.6	UG/KG	U	U	.05	UG/KG	U
HEPTACHLOR EPOXIDE	U	21	UG/KG	U	U	50	UG/KG	U	U	9.6	UG/KG	U	U	9.4	UG/KG	U
METHOXYCHLOR	U	210	UG/KG	U	U	500	UG/KG	U	U	96	UG/KG	U	U	94	UG/KG	U
TOXAPHENE	U	420	UG/KG	U	U	1000	UG/KG	U	U	190	UG/KG	U	U	190	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
1,2-DICHLOROBENZENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
1,3-DICHLOROBENZENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
1,4-DICHLOROBENZENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2,4,5-TRICHLOROPHENOL	U	2500	UG/KG	U	U	2300	UG/KG	U	U	2300	UG/KG	U	U	2200	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2,4-DICHLOROPHENOL	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2,4-DIMETHYLPHENOL	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2,4-DINITROPHENOL	U	2500	UG/KG	R	U	2300	UG/KG	R	U	2300	UG/KG	R	U	2200	UG/KG	UJ
2,4-DINITROTOLUENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2,6-DINITROTOLUENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2-CHLORONAPHTHALENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2-CHLOROPHENOL	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2-METHYLNAPHTHALENE	U	490	UG/KG	U	U	460	UG/KG	U	J	50	UG/KG	J	U	440	UG/KG	UJ
2-METHYLPHENOL	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
2-NITROANILINE	U	2500	UG/KG	U	U	2300	UG/KG	U	U	2300	UG/KG	U	U	2200	UG/KG	UJ
2-NITROPHENOL	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
3,3-DICHLOROBENZIDINE	U	980	UG/KG	U	U	920	UG/KG	U	U	900	UG/KG	U	U	880	UG/KG	UJ

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-05				07-05				07-06			
Sample ID:	PS-07-048				PS-07-049				PS-07-051			
Sample Date:	05/06/87				05/06/87				05/06/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	54	UG/KG	U	U	10	UG/KG	U	U	20	UG/KG	U
HEPTACHLOR EPOXIDE	U	54	UG/KG	U	U	10	UG/KG	U	U	20	UG/KG	U
METHOXYCHLOR	U	540	UG/KG	U	U	100	UG/KG	U	U	200	UG/KG	U
TOXAPHENE	U	1100	UG/KG	U	U	200	UG/KG	U	U	390	UG/KG	U
1,2,4-TRICHLOROBENZENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
1,2-DICHLOROBENZENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
1,3-DICHLOROBENZENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
1,4-DICHLOROBENZENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2,4,5-TRICHLOROPHENOL	U	2500	UG/KG	UJ	U	2400	UG/KG	UJ	U	2300	UG/KG	UJ
2,4,6-TRICHLOROPHENOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2,4-DICHLOROPHENOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2,4-DIMETHYLPHENOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2,4-DINITROPHENOL	U	2500	UG/KG	U	U	2400	UG/KG	U	U	2300	UG/KG	U
2,4-DINITROTOLUENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2,6-DINITROTOLUENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2-CHLORONAPHTHALENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2-CHLOROPHENOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2-METHYLNAPHTHALENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2-METHYLPHENOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
2-NITROANILINE	U	2500	UG/KG	U	U	2400	UG/KG	U	U	2300	UG/KG	U
2-NITROPHENOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
3,3-DICHLOROBENZIDINE	U	1000	UG/KG	U	U	940	UG/KG	U	U	900	UG/KG	U

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Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-01					07-02					07-03					07-04				
Sample ID:	PS-07-001					PS-07-003					PS-07-026					PS-07-033				
Sample Date:	04/27/87					04/27/87					04/28/87					05/05/87				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	10.0					12.0					18					16				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
3-NITROANILINE	U	2500	UG/KG	U		U	2300	UG/KG	U		U	2300	UG/KG	U		U	2200	UG/KG	UJ	
4,6-DINITRO-2-METHYLPHENOL	U	2500	UG/KG	UJ		U	2300	UG/KG	UJ		U	2300	UG/KG	UJ		U	2200	UG/KG	UJ	
4-BROMOPHENYL PHENYL ETHER	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
4-CHLORO-3-METHYLPHENOL	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
4-CHLOROANILINE	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
4-CHLOROPHENOL PHENYL ETHER	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
4-METHYLPHENOL	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
4-NITROANILINE	U	2500	UG/KG	U		U	2300	UG/KG	U		U	2300	UG/KG	U		U	2200	UG/KG	UJ	
4-NITROPHENOL	U	2500	UG/KG	U		U	2300	UG/KG	U		U	2300	UG/KG	U		U	2200	UG/KG	UJ	
ACENAPHTHENE	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
ACENAPHTHYLENE	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
ANTHRACENE	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
BENZO(A)ANTHRACENE	J	64	UG/KG	J		J	61	UG/KG	J		U	450	UG/KG	U		U	440	UG/KG	UJ	
BENZO(A)PYRENE	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
BENZO(B)FLUORANTHENE	J	69	UG/KG	J		J	98	UG/KG	J		U	450	UG/KG	U		U	440	UG/KG	UJ	
BENZO(G,H,I)PERYLENE	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
BENZO(K)FLUORANTHENE	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
BENZOIC ACID	U	2500	UG/KG	UJ		U	2300	UG/KG	UJ		U	2300	UG/KG	UJ		U	2200	UG/KG	R	
BENZYL ALCOHOL	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
BIS(2-CHLOROETHOXY)METHANE	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
BIS(2-CHLOROETHYL)ETHER	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	
BIS(2-CHLOROISOPROPYL)ETHER	U	490	UG/KG	U		U	460	UG/KG	U		U	450	UG/KG	U		U	440	UG/KG	UJ	

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		07-05				07-05				07-06			
Sample ID:		PS-07-048				PS-07-049				PS-07-051			
Sample Date:		05/06/87				05/06/87				05/06/87			
Top Depth (ft):		0.0				0.0				0.0			
Bottom Depth (ft):		12.0				12.0				12.0			
3-NITROANILINE	U	2500	UG/KG	U	U	2400	UG/KG	U	U	2300	UG/KG	U	
4,6-DINITRO-2-METHYLPHENOL	U	2500	UG/KG	U	U	2400	UG/KG	U	U	2300	UG/KG	U	
4-BROMOPHENYL PHENYL ETHER	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
4-CHLORO-3-METHYLPHENOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
4-CHLOROANILINE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
4-CHLOROPHENOL PHENYL ETHER	U	500	UG/KG	UJ	U	470	UG/KG	UJ	U	450	UG/KG	UJ	
4-METHYLPHENOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
4-NITROANILINE	U	2500	UG/KG	U	U	2400	UG/KG	U	U	2300	UG/KG	U	
4-NITROPHENOL	U	2500	UG/KG	U	U	2400	UG/KG	U	U	2300	UG/KG	U	
ACENAPHTHENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
ACENAPHTHYLENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
ANTHRACENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
BENZO(A)ANTHRACENE	J	71	UG/KG	J	U	470	UG/KG	U	J	170	UG/KG	J	
BENZO(A)PYRENE	U	500	UG/KG	U	U	470	UG/KG	U	J	160	UG/KG	J	
BENZO(B)FLUORANTHENE	J	83	UG/KG	J	U	470	UG/KG	U	J	170	UG/KG	J	
BENZO(G,H,I)PERYLENE	U	500	UG/KG	U	U	470	UG/KG	U	J	85	UG/KG	J	
BENZO(K)FLUORANTHENE	U	500	UG/KG	U	U	470	UG/KG	U	J	200	UG/KG	J	
BENZOIC ACID	U	2500	UG/KG	R	U	2400	UG/KG	R	U	2300	UG/KG	R	
BENZYL ALCOHOL	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
BIS(2-CHLOROETHOXY)METHANE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
BIS(2-CHLOROETHYL)ETHER	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U	
BIS(2-CHLOROISOPROPYL)ETHER	U	500	UG/KG	UJ	U	470	UG/KG	UJ	U	450	UG/KG	UJ	

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FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-01				07-02				07-03				07-04			
Sample ID:	PS-07-001				PS-07-003				PS-07-026				PS-07-033			
Sample Date:	04/27/87				04/27/87				04/28/87				05/05/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				12.0				18				16			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	J	340	UG/KG	J	J	1000	UG/KG	J	J	420	UG/KG	J	U	440	UG/KG	UJ
BIS(CHLOROMETHYL)ETHER																
BUTYL BENZYL PHTHALATE	U	490	UG/KG	UJ	U	460	UG/KG	UJ	U	450	UG/KG	UJ	U	440	UG/KG	UJ
C-10 UNK HYDROCARBON																
CHRYSENE	J	77	UG/KG	J	J	73	UG/KG	J	U	450	UG/KG	U	U	440	UG/KG	UJ
DI-N-BUTYLPHTHALATE	U	490	UG/KG	U	J	210	UG/KG	J	U	450	UG/KG	U	U	440	UG/KG	UJ
DI-N-OCTYLPHTHALATE	J	72	UG/KG	J	J	130	UG/KG	J	J	81	UG/KG	J	J	67	UG/KG	J
DIBENZO(A,H)ANTHRACENE	U	490	UG/KG	UJ	U	460	UG/KG	UJ	U	450	UG/KG	UJ	U	440	UG/KG	UJ
DIBENZOFURAN	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
DIETHYL PHTHALATE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
DIMETHYL PHTHALATE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
DIPROPYLAMINE																
FLUORANTHENE	J	180	UG/KG	J	J	210	UG/KG	J	J	74	UG/KG	J	U	440	UG/KG	UJ
FLUORENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
HEXACHLOROBENZENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
HEXACHLOROBUTADIENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
HEXACHLOROCYCLOPENTADIENE	U	490	UG/KG	UJ	U	460	UG/KG	UJ	U	450	UG/KG	UJ	U	440	UG/KG	UJ
HEXACHLOROETHANE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
INDENO(1,2,3-CD)PYRENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
ISOPHORONE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
N-NITROSO-DI-N-PROPYLAMINE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ
N-NITROSODIPHENYLAMINE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ

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Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

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Well/Boring:	07-05				07-05				07-06			
Sample ID:	PS-07-048				PS-07-049				PS-07-051			
Sample Date:	05/06/87				05/06/87				05/06/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE		2000	UG/KG	-	J	74	UG/KG	J	U	450	UG/KG	U
BIS(CHLOROMETHYL)ETHER												
BUTYL BENZYL PHTHALATE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
C-10 UNK HYDROCARBON												
CHRYSENE	J	83	UG/KG	J	U	470	UG/KG	U	U	450	UG/KG	U
DI-N-BUTYLPHTHALATE	J	54	UG/KG	J	J	52	UG/KG	J	J	68	UG/KG	J
DI-N-OCTYLPHTHALATE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
DIBENZO(A,H)ANTHRACENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
DIBENZOFURAN	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
DIETHYL PHTHALATE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
DIMETHYL PHTHALATE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
DIPROPYLAMINE												
FLUORANTHENE	J	500	UG/KG	U	J	470	UG/KG	U	J	450	UG/KG	U
FLUORENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
HEXACHLOROBENZENE	U	500	UG/KG	U	U	470	UG/KG	UJ	U	450	UG/KG	UJ
HEXACHLOROBUTADIENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	500	UG/KG	UJ	U	470	UG/KG	UJ	U	450	UG/KG	UJ
HEXACHLOROETHANE	U	500	UG/KG	UJ	U	470	UG/KG	U	U	450	UG/KG	U
INDENO(1,2,3-CD)PYRENE	U	500	UG/KG	UJ	U	470	UG/KG	UJ	J	78	UG/KG	J
ISOPHORONE	U	500	UG/KG	UJ	U	470	UG/KG	UJ	U	450	UG/KG	UJ
N-NITROSO-DI-N-PROPYLAMINE	U	500	UG/KG	UJ	U	470	UG/KG	U	U	450	UG/KG	UJ
N-NITROSODIPHENYLAMINE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-01					07-02					07-03					07-04				
Sample ID:	PS-07-001					PS-07-003					PS-07-026					PS-07-033				
Sample Date:	04/27/87					04/27/87					04/28/87					05/05/87				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	10.0					12.0					18					16				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
NAPHTHALENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ	
NITROBENZENE	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ	
PENTACHLOROPHENOL	J	1200	UG/KG	J		2600	UG/KG	-	U	2300	UG/KG	U	U	2200	UG/KG	UJ	
PHENANTHRENE	J	190	UG/KG	J	J	190	UG/KG	J	J	100	UG/KG	J	J	49	UG/KG	J	
PHENOL	U	490	UG/KG	U	U	460	UG/KG	U	U	450	UG/KG	U	U	440	UG/KG	UJ	
PYRENE	J	130	UG/KG	J	J	140	UG/KG	J	J	79	UG/KG	J	U	440	UG/KG	UJ	
1,1,1-TRICHLOROETHANE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	UJ	
1,1,2,2-TETRACHLOROETHANE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U	
1,1,2-TRICHLOROETHANE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U	
1,1-DICHLOROETHANE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	UJ	
1,1-DICHLOROETHENE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U	
1,2-DICHLOROETHANE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U	
1,2-DICHLOROETHENE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U	
1,2-DICHLOROPROPANE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U	
1,2-DICHLOROPROPENE																	
1,3-DICHLOROPROPENE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U	
1,3-DICHLOROPROPYLENE																	
2-BUTANONE	U	420	UG/KG	R	U	410	UG/KG	R	U	400	UG/KG	R	U	410	UG/KG	R	
2-CHLOROETHYL VINYL ETHER	U	420	UG/KG	UJ	U	410	UG/KG	UJ	U	400	UG/KG	UJ	U	410	UG/KG	U	
2-HEXANONE	U	420	UG/KG	UJ	U	410	UG/KG	UJ	U	400	UG/KG	UJ	U	410	UG/KG	U	
4-METHYL-2-PENTANONE	U	420	UG/KG	U	U	410	UG/KG	U	U	400	UG/KG	U	U	410	UG/KG	U	
4-METHYLPHENOLPROPHYL ETHER																	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

51291

Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-05				07-05				07-06			
Sample ID:	PS-07-048				PS-07-049				PS-07-051			
Sample Date:	05/06/87				05/06/87				05/06/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
NAPHTHALENE	U	500	UG/KG	U	U	470	UG/KG	U	U	450	UG/KG	U
NITROBENZENE	U	500	UG/KG	UJ	U	470	UG/KG	UJ	U	450	UG/KG	UJ
PENTACHLOROPHENOL	U	2500	UG/KG	U	U	2400	UG/KG	U	U	2300	UG/KG	U
PHENANTHRENE	J	500	UG/KG	U	U	470	UG/KG	U	J	450	UG/KG	U
PHENOL	J	140	UG/KG	J	J	99	UG/KG	J		650	UG/KG	-
PYRENE	J	500	UG/KG	U	J	470	UG/KG	U	J	450	UG/KG	U
1,1,1-TRICHLOROETHANE	U	230	UG/KG	UJ					U	200	UG/KG	UJ
1,1,2,2-TETRACHLOROETHANE	U	230	UG/KG	U					U	200	UG/KG	U
1,1,2-TRICHLOROETHANE	U	230	UG/KG	U					U	200	UG/KG	U
1,1-DICHLOROETHANE	U	230	UG/KG	U					U	200	UG/KG	U
1,1-DICHLOROETHENE	U	230	UG/KG	U					U	200	UG/KG	U
1,2-DICHLOROETHANE	U	230	UG/KG	UJ					U	200	UG/KG	U
1,2-DICHLOROETHENE	U	230	UG/KG	U					U	200	UG/KG	U
1,2-DICHLOROPROPANE	U	230	UG/KG	U					U	200	UG/KG	U
1,2-DICHLOROPROPENE												
1,3-DICHLOROPROPENE	U	230	UG/KG	U					U	200	UG/KG	U
1,3-DICHLOROPROPYLENE												
2-BUTANONE	J	70	UG/KG	J					U	400	UG/KG	U
2-CHLOROETHYL VINYL ETHER	U	450	UG/KG	U					U	400	UG/KG	U
2-HEXANONE	U	450	UG/KG	U					U	400	UG/KG	UJ
4-METHYL-2-PENTANONE	U	450	UG/KG	U					U	400	UG/KG	U
4-METHYLPHENOLPROPHYL ETHER									U	450	UG/KG	U

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-01				07-02				07-03				07-04			
Sample ID:	PS-07-001				PS-07-003				PS-07-026				PS-07-033			
Sample Date:	04/27/87				04/27/87				04/28/87				05/05/87			
Top Depth (ft):	0.0				0.0				0.0				0.0			
Bottom Depth (ft):	10.0				12.0				18				16			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	BJ	420	UG/KG	U	BJ	410	UG/KG	U	BJ	400	UG/KG	U	BJ	210	UG/KG	U
ACROLEIN																
ACRYLONITRILE																
BENZENE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U
BROMODICHLOROMETHANE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U
BROMOFORM	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	UJ
BROMOMETHANE	U	420	UG/KG	UJ	U	410	UG/KG	UJ	U	400	UG/KG	UJ	U	410	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER																
CARBON DISULFIDE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U
CARBON TETRACHLORIDE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	UJ
CHLOROBENZENE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U
CHLOROETHANE	U	420	UG/KG	UJ	U	410	UG/KG	U	U	400	UG/KG	UJ	U	410	UG/KG	UJ
CHLOROFORM	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U
CHLOROMETHANE	U	420	UG/KG	U	U	410	UG/KG	U	U	400	UG/KG	U	U	410	UG/KG	U
DIBROMOCHLOROMETHANE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U
DICHLORODIFLUOROMETHANE																
ETHYLBENZENE	U	210	UG/KG	U	U	210	UG/KG	U		270	UG/KG	-	U	210	UG/KG	U
METHYLENE CHLORIDE	B	370	UG/KG	U	B	400	UG/KG	U	B	350	UG/KG	U	BJ	205	UG/KG	UJ
STYRENE	U	210	UG/KG	U	U	210	UG/KG	U	U	200	UG/KG	U	U	210	UG/KG	U
TETRACHLOROETHENE	U	210	UG/KG	U	U	210	UG/KG	U	J	170	UG/KG	J		260	UG/KG	-
TOLUENE	U	210	UG/KG	U	J	50	UG/KG	J	U	200	UG/KG	U	U	210	UG/KG	U
TOTAL XYLENE	U	210	UG/KG	U	U	210	UG/KG	U		890	UG/KG	-	U	210	UG/KG	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

11093
5129

Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-05				07-05				07-06			
Sample ID:	PS-07-048				PS-07-049				PS-07-051			
Sample Date:	05/06/87				05/06/87				05/06/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	BJ	450	UG/KG	U					B	750	UG/KG	U
ACROLEIN												
ACRYLONITRILE												
BENZENE	U	230	UG/KG	U					U	200	UG/KG	U
BROMODICHLOROMETHANE	U	230	UG/KG	U					U	200	UG/KG	U
BROMOFORM	U	230	UG/KG	UJ					U	200	UG/KG	U
BROMOMETHANE	U	450	UG/KG	UJ					U	400	UG/KG	UJ
BUTANOIC ACID, METHYL ESTER												
CARBON DISULFIDE	U	230	UG/KG	U					U	200	UG/KG	U
CARBON TETRACHLORIDE	U	230	UG/KG	UJ					U	200	UG/KG	UJ
CHLOROBENZENE	U	230	UG/KG	U					U	200	UG/KG	U
CHLOROETHANE	U	450	UG/KG	UJ					U	400	UG/KG	UJ
CHLOROFORM	U	230	UG/KG	U					U	200	UG/KG	U
CHLOROMETHANE	U	450	UG/KG	U					U	400	UG/KG	U
DIBROMOCHLOROMETHANE	U	230	UG/KG	U					U	200	UG/KG	U
DICHLORODIFLUOROMETHANE												
ETHYLBENZENE	U	230	UG/KG	U					U	200	UG/KG	U
METHYLENE CHLORIDE	BJ	225	UG/KG	U					B	340	UG/KG	U
STYRENE	U	230	UG/KG	U					U	200	UG/KG	U
TETRACHLOROETHENE	U	230	UG/KG	U					U	200	UG/KG	U
TOLUENE	U	230	UG/KG	U					U	200	UG/KG	U
TOTAL XYLENE	U	230	UG/KG	U					U	200	UG/KG	U

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Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-01					07-02					07-03					07-04				
Sample ID:	PS-07-001					PS-07-003					PS-07-026					PS-07-033				
Sample Date:	04/27/87					04/27/87					04/28/87					05/05/87				
Top Depth (ft):	0.0					0.0					0.0					0.0				
Bottom Depth (ft):	10.0					12.0					18					16				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
TRANS-1,2-DICHLOROETHENE	U	210	UG/KG	U	U	U	210	UG/KG	U	U	U	200	UG/KG	U	U	U	210	UG/KG	U	U
TRICHLOROETHENE	U	210	UG/KG	U	U	U	210	UG/KG	U	U	U	200	UG/KG	U	U	U	210	UG/KG	U	U
VINYL ACETATE	U	420	UG/KG	U	U	U	410	UG/KG	U	U	U	400	UG/KG	U	U	U	410	UG/KG	U	U
VINYL CHLORIDE	U	420	UG/KG	U	U	U	410	UG/KG	U	U	U	400	UG/KG	U	U	U	410	UG/KG	U	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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5129

Characterization Investigation Study - Pit BURNPIT
Pit Material Organic Results

Well/Boring:	07-05				07-05				07-06			
Sample ID:	PS-07-048				PS-07-049				PS-07-051			
Sample Date:	05/06/87				05/06/87				05/06/87			
Top Depth (ft):	0.0				0.0				0.0			
Bottom Depth (ft):	12.0				12.0				12.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
TRANS-1,2-DICHLOROETHENE	U	230	UG/KG	U					U	200	UG/KG	U
TRICHLOROETHENE	U	230	UG/KG	U					U	200	UG/KG	U
VINYL ACETATE	U	450	UG/KG	U					U	400	UG/KG	U
VINYL CHLORIDE	U	450	UG/KG	U					U	400	UG/KG	U

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
- = Detected
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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2,3,4,6,7,8-HpCDD					U	.31	UG/KG	UJ	U	.34	UG/KG	UJ				
1,2,3,4,6,7,8-HpCDF					U	.28	UG/KG	UJ	U	.071	UG/KG	UJ				
1,2,3,4,7,8,9-Heptachlorodiben					U	.35	UG/KG	UJ	U	.091	UG/KG	UJ				
1,2,3,4,7,8-Hexachlorodibenzo-					U	1	UG/KG	UJ	U	.82	UG/KG	UJ				
1,2,3,4,7,8-Hexachlorodibenzof					U	.35	UG/KG	UJ	U	.37	UG/KG	UJ				
1,2,3,6,7,8-Hexachlorodibenzo-					U	.8	UG/KG	UJ	U	.65	UG/KG	UJ				
1,2,3,6,7,8-Hexachlorodibenzof					U	.33	UG/KG	UJ	U	.36	UG/KG	UJ				
1,2,3,7,8,9-Hexachlorodibenzo-					U	.83	UG/KG	UJ	U	.67	UG/KG	UJ				
1,2,3,7,8,9-Hexachlorodibenzof					U	.4	UG/KG	UJ	U	.44	UG/KG	UJ				
1,2,3,7,8-Pentachlorodibenzo-p					U	2.3	UG/KG	UJ	U	4.2	UG/KG	UJ				
1,2,3,7,8-Pentachlorodibenzofu					U	1.1	UG/KG	UJ	U	.94	UG/KG	UJ				
2,3,4,6,7,8-Hexachlorodibenzof					U	.4	UG/KG	UJ	U	.44	UG/KG	UJ				
2,3,4,7,8-Pentachlorodibenzofu					U	1.1	UG/KG	UJ	U	.92	UG/KG	UJ				
2,3,7,8-TCDD					U	13.1	UG/KG	UJ	U	5	UG/KG	UJ				
2,3,7,8-TCDF					U	3.8	UG/KG	UJ	U	2.7	UG/KG	UJ				
Heptachlorodibenzo-p-dioxin					U	.31	UG/KG	UJ	U	.34	UG/KG	UJ				
Heptachlorodibenzofuran					U	.31	UG/KG	UJ	U	.08	UG/KG	UJ				
Hexachlorodibenzo-p-dioxin					U	.87	UG/KG	UJ	U	.71	UG/KG	UJ				
Hexachlorodibenzofuran					U	.37	UG/KG	UJ	U	.4	UG/KG	UJ				
Octachlorodibenzo-p-dioxin					U	2.4	UG/KG	UJ	U	.66	UG/KG	UJ				
Octachlorodibenzofuran					U	.37	UG/KG	UJ	U	.36	UG/KG	UJ				

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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51129

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1776				1776				1776		
Sample ID:	063171				063180				063201				063203		
Sample Date:	30-JUL-91				30-JUL-91				31-JUL-91				31-JUL-91		
Top Depth (ft):	18				22.5				6.5				19.5		
Bottom Depth (ft):	18.5				23				19.5				32.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2,3,4,6,7,8-HpCDD										.47	UG/KG	J		.52	UG/KG	J
1,2,3,4,6,7,8-HpCDF									U	.079	UG/KG	J	U	.27	UG/KG	J
1,2,3,4,7,8,9-Heptachlorodiben									U	.25	UG/KG	UJ	U	.34	UG/KG	J
1,2,3,4,7,8-Hexachlorodibenzo-									U	.02	UG/KG	U	U	.18	UG/KG	U
1,2,3,4,7,8-Hexachlorodibenzof									U	.11	UG/KG	U	U	.058	UG/KG	U
1,2,3,6,7,8-Hexachlorodibenzo-									U	.016	UG/KG	U	U	.14	UG/KG	U
1,2,3,6,7,8-Hexachlorodibenzof									U	.11	UG/KG	U	U	.055	UG/KG	U
1,2,3,7,8,9-Hexachlorodibenzo-									U	.016	UG/KG	U	U	.15	UG/KG	U
1,2,3,7,8,9-Hexachlorodibenzof									U	.13	UG/KG	U	U	.068	UG/KG	U
1,2,3,7,8-Pentachlorodibenzo-p									U	.16	UG/KG	U	U	.32	UG/KG	U
1,2,3,7,8-Pentachlorodibenzofu									U	.04	UG/KG	U	U	.046	UG/KG	U
2,3,4,6,7,8-Hexachlorodibenzof									U	.13	UG/KG	U	U	.068	UG/KG	U
2,3,4,7,8-Pentachlorodibenzofu									U	.039	UG/KG	U	U	.044	UG/KG	U
2,3,7,8-TCDD									U	.23	UG/KG	U	U	.57	UG/KG	U
2,3,7,8-TCDF									U	.17	UG/KG	U	U	.46	UG/KG	U
Heptachlorodibenzo-p-dioxin										.9	UG/KG	J		.98	UG/KG	J
Heptachlorodibenzofuran									U	.079	UG/KG	UJ	U	.3	UG/KG	J
Hexachlorodibenzo-p-dioxin									U	.007	UG/KG	UJ	U	.16	UG/KG	U
Hexachlorodibenzofuran									U	.12	UG/KG	U	U	.062	UG/KG	U
Octachlorodibenzo-p-dioxin										3.8	UG/KG	J		4	UG/KG	J
Octachlorodibenzofuran										.13	UG/KG	J	U	.28	UG/KG	J

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin					U	2.3	UG/KG	UJ	U	4.2	UG/KG	UJ				
Pentachlorodibenzofuran					U	1.1	UG/KG	UJ	U	.93	UG/KG	UJ				
Tetrachlorodibenzo-p-dioxin									U	2.2	UG/KG	UJ				
Tetrachlorodibenzofuran									U	.72	UG/KG	UJ				
2,4,5-T					U	54	UG/KG	U								
2,4,5-TP (Silvex)					U	50	UG/KG	U								
2,4-D					U	280	UG/KG	U								
Dinoseb					U	19	UG/KG	U								
Sulfotepp					U	50	UG/KG	U								
Azinphosmethyl					U	500	UG/KG	U								
Demeton					U	100	UG/KG	U								
Diazinon					U	50	UG/KG	U								
Dimethoate					U	50	UG/KG	U								
Disulfoton					U	50	UG/KG	U								
Ethion					U	50	UG/KG	U								
Famphur					U	50	UG/KG	U								
Malathion					U	50	UG/KG	U								
Parathion, ethyl					U	50	UG/KG	U								
Parathion, methyl					U	50	UG/KG	U								
Tetraethylpyrophosphate					U	200	UG/KG	U								
Thionazin					U	50	UG/KG	U								

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Submittal Date: 08-Feb-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

-5129

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1776					1776					1776			
Sample ID:		063171					063180					063201					063203			
Sample Date:		30-JUL-91					30-JUL-91					31-JUL-91					31-JUL-91			
Top Depth (ft):		18					22.5					6.5					19.5			
Bottom Depth (ft):		18.5					23					19.5					32.5			
Pentachlorodibenzo-p-dioxin											U	.16	UG/KG	U		U	.32	UG/KG	U	
Pentachlorodibenzofuran											U	.04	UG/KG	U		U	.045	UG/KG	U	
Tetrachlorodibenzo-p-dioxin											U	.12	UG/KG	U		U	.068	UG/KG	U	
Tetrachlorodibenzofuran											U	.13	UG/KG	U		U	.2	UG/KG	U	
2,4,5-T											U	48	UG/KG	U						
2,4,5-TP (Silvex)											U	45	UG/KG	U						
2,4-D											U	250	UG/KG	U						
Dinoseb											U	17	UG/KG	U						
Sulfotepp											U	.1	UG/KG	U						
Azinphosmethyl											U	.2	UG/KG	U						
Demeton											U	.2	UG/KG	U						
Diazinon											U	.1	UG/KG	U						
Dimethoate											U	.1	UG/KG	U						
Disulfoton											U	.1	UG/KG	U						
Ethion											U	.1	UG/KG	U						
Famphur											U	.1	UG/KG	U						
Malathion											U	.1	UG/KG	U						
Parathion, ethyl											U	.1	UG/KG	U						
Parathion, methyl											U	.1	UG/KG	U						
Tetraethylpyrophosphate											U	.4	UG/KG	U						
Thionazin											U	.1	UG/KG	U						

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FEMP OU1RI-5 USEPA

Well/Boring:		1776				1819		
Sample ID:		063205				063885		
Sample Date:		31-JUL-91				16-OCT-91		
Top Depth (ft):		0				6.5		
Bottom Depth (ft):		32.5				7		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachlorodibenzo-p-dioxin								
Pentachlorodibenzofuran								
Tetrachlorodibenzo-p-dioxin								
Tetrachlorodibenzofuran								
2,4,5-T								
2,4,5-TP (Silvex)								
2,4-D								
Dinoseb					U	1900	UG/KG	UJ
Sulfotepp					U	930	UG/KG	UJ
Azinphosmethyl								
Demeton								
Diazinon								
Dimethoate								
Disulfoton								
Ethion								
Famphur								
Malathion								
Parathion, ethyl								
Parathion, methyl								
Tetraethylpyrophosphate								
Thionazin								

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD					U	22	UG/KG	U	U	22	UG/KG	U				
4,4-DDE					U	22	UG/KG	U	U	22	UG/KG	U				
4,4-DDT					U	22	UG/KG	U	U	22	UG/KG	U				
Aldrin					U	11	UG/KG	U	U	11	UG/KG	U				
Aroclor-1016					U	110	UG/KG	U	U	110	UG/KG	U				
Aroclor-1221					U	110	UG/KG	U	U	110	UG/KG	U				
Aroclor-1232					U	110	UG/KG	U	U	110	UG/KG	U				
Aroclor-1242					U	110	UG/KG	U	U	110	UG/KG	U				
Aroclor-1248					U	110	UG/KG	U	U	110	UG/KG	U				
Aroclor-1254					JX	24	UG/KG	J	U	220	UG/KG	U				
Aroclor-1260					U	220	UG/KG	U								
Dieldrin					U	22	UG/KG	U	U	22	UG/KG	U				
Endosulfan II					U	22	UG/KG	U	U	22	UG/KG	U				
Endosulfan sulfate					U	22	UG/KG	U	U	22	UG/KG	U				
Endosulfan-I					U	11	UG/KG	U	U	11	UG/KG	U				
Endrin					U	22	UG/KG	U	U	22	UG/KG	U				
Endrin ketone					U	22	UG/KG	U	U	22	UG/KG	U				
Heptachlor					U	11	UG/KG	U	U	11	UG/KG	U				
Heptachlor epoxide					U	11	UG/KG	U	U	11	UG/KG	U				
Isodrin																
Kepone																

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1776					1776					1776			
Sample ID:		063171					063180					063201					063203			
Sample Date:		30-JUL-91					30-JUL-91					31-JUL-91					31-JUL-91			
Top Depth (ft):		18					22.5					6.5					19.5			
Bottom Depth (ft):		18.5					23					19.5					32.5			
4,4-DDD											U	20	UG/KG	U		U	490	UG/KG	U	
4,4-DDE											U	20	UG/KG	U		U	490	UG/KG	U	
4,4-DDT											U	20	UG/KG	U		U	490	UG/KG	U	
Aldrin											U	10	UG/KG	U		U	250	UG/KG	U	
Aroclor-1016											U	100	UG/KG	U		U	2500	UG/KG	U	
Aroclor-1221											U	100	UG/KG	U		U	2500	UG/KG	U	
Aroclor-1232											U	100	UG/KG	U		U	2500	UG/KG	U	
Aroclor-1242											U	100	UG/KG	U		U	2500	UG/KG	U	
Aroclor-1248											U	100	UG/KG	U		U	2500	UG/KG	U	
Aroclor-1254											DJX	1900	UG/KG	J		DJX	7700	UG/KG	J	
Aroclor-1260											U	200	UG/KG	U		U	4900	UG/KG	U	
Dieldrin											U	20	UG/KG	U		U	490	UG/KG	U	
Endosulfan II											U	20	UG/KG	U		U	490	UG/KG	U	
Endosulfan sulfate											U	20	UG/KG	U		U	490	UG/KG	U	
Endosulfan-I											U	10	UG/KG	U		U	250	UG/KG	U	
Endrin											U	20	UG/KG	U		U	490	UG/KG	U	
Endrin ketone											U	20	UG/KG	U		U	490	UG/KG	U	
Heptachlor											U	10	UG/KG	U		U	250	UG/KG	U	
Heptachlor epoxide											U	10	UG/KG	U		U	250	UG/KG	U	
Isodrin											U	10	UG/KG	U						
Kepone											U	20	UG/KG	U						

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:		1777			1777			1777			1776		
Sample ID:		063130			063135			063137			063147		
Sample Date:		27-JUL-91			27-JUL-91			27-JUL-91			30-JUL-91		
Top Depth (ft):		4.5			7			8			6		
Bottom Depth (ft):		5			7.5			8.5			6.5		
Methoxychlor													
Toxaphene													
alpha-BHC													
alpha-Chlordane													
beta-BHC													
delta-BHC													
gamma-BHC (Lindane)													
gamma-Chlordane													
1,2,4,5-Tetrachlorobenzene													
1,2,4-Trichlorobenzene	U	460	UG/KG	U									
1,2-Dichlorobenzene	U	460	UG/KG	U									
1,3,5-Trinitrobenzene													
1,3-Dichlorobenzene	U	460	UG/KG	U									
1,3-Dinitrobenzene													
1,4-Dichlorobenzene	U	460	UG/KG	U									
1,4-Naphthoquinone													
1-Naphthylamine													
2,3,4,6-Tetrachlorophenol													
2,4,5-Trichlorophenol	U	2200	UG/KG	U									
2,4,6-Trichlorophenol	U	460	UG/KG	U									
2,4-Dichlorophenol	U	460	UG/KG	U									

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FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methoxychlor					U	110	UG/KG	U	U	110	UG/KG	U				
Toxaphene					U	220	UG/KG	U	U	220	UG/KG	U				
alpha-BHC					U	11	UG/KG	U	U	11	UG/KG	U				
alpha-Chlordane					U	110	UG/KG	U	U	110	UG/KG	U				
beta-BHC					U	11	UG/KG	U	U	11	UG/KG	U				
delta-BHC					U	11	UG/KG	U	U	11	UG/KG	U				
gamma-BHC (Lindane)					U	11	UG/KG	U	U	11	UG/KG	U				
gamma-Chlordane					U	110	UG/KG	U	U	110	UG/KG	U				
1,2,4,5-Tetrachlorobenzene																
1,2,4-Trichlorobenzene					U	460	UG/KG	U	U	450	UG/KG	U				
1,2-Dichlorobenzene					U	460	UG/KG	U	U	450	UG/KG	U				
1,3,5-Trinitrobenzene																
1,3-Dichlorobenzene					U	460	UG/KG	U	U	450	UG/KG	U				
1,3-Dinitrobenzene																
1,4-Dichlorobenzene					U	460	UG/KG	U	U	450	UG/KG	U				
1,4-Naphthoquinone																
1-Naphthylamine																
2,3,4,6-Tetrachlorophenol																
2,4,5-Trichlorophenol					U	2200	UG/KG	U	U	2200	UG/KG	U				
2,4,6-Trichlorophenol					U	460	UG/KG	U	U	450	UG/KG	U				
2,4-Dichlorophenol					U	460	UG/KG	U	U	450	UG/KG	U				

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1776					1776					1776			
Sample ID:		063171					063180					063201					063203			
Sample Date:		30-JUL-91					30-JUL-91					31-JUL-91					31-JUL-91			
Top Depth (ft):		18					22.5					6.5					19.5			
Bottom Depth (ft):		18.5					23					19.5					32.5			
Methoxychlor											U	100	UG/KG	U		U	2500	UG/KG	U	
Toxaphene											U	200	UG/KG	U		U	4900	UG/KG	U	
alpha-BHC											U	10	UG/KG	U		U	250	UG/KG	U	
alpha-Chlordane											U	100	UG/KG	U		U	2500	UG/KG	U	
beta-BHC											U	10	UG/KG	U		U	250	UG/KG	U	
delta-BHC											U	10	UG/KG	U		U	250	UG/KG	U	
gamma-BHC (Lindane)											U	10	UG/KG	U		U	250	UG/KG	U	
gamma-Chlordane											U	100	UG/KG	U		U	2500	UG/KG	U	
1,2,4,5-Tetrachlorobenzene																				
1,2,4-Trichlorobenzene																U	5000	UG/KG	U	
1,2-Dichlorobenzene																U	5000	UG/KG	U	
1,3,5-Trinitrobenzene																				
1,3-Dichlorobenzene																U	5000	UG/KG	U	
1,3-Dinitrobenzene																				
1,4-Dichlorobenzene																U	5000	UG/KG	U	
1,4-Naphthoquinone																				
1-Naphthylamine																				
2,3,4,6-Tetrachlorophenol																				
2,4,5-Trichlorophenol																U	24000	UG/KG	U	
2,4,6-Trichlorophenol																U	5000	UG/KG	U	
2,4-Dichlorophenol																U	5000	UG/KG	U	

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1776				1819		
Sample ID:		063205				063885		
Sample Date:		31-JUL-91				16-OCT-91		
Top Depth (ft):		0				6.5		
Bottom Depth (ft):		32.5				7		
Methoxychlor								
Toxaphene								
alpha-BHC								
alpha-Chlordane								
beta-BHC								
delta-BHC								
gamma-BHC (Lindane)								
gamma-Chlordane								
1,2,4,5-Tetrachlorobenzene					U	930	UG/KG	UJ
1,2,4-Trichlorobenzene					U	930	UG/KG	U
1,2-Dichlorobenzene					U	930	UG/KG	U
1,3,5-Trinitrobenzene					U	930	UG/KG	R
1,3-Dichlorobenzene					U	930	UG/KG	U
1,3-Dinitrobenzene					U	930	UG/KG	UJ
1,4-Dichlorobenzene					U	930	UG/KG	U
1,4-Naphthoquinone					U	930	UG/KG	UJ
1-Naphthylamine					U	11000	UG/KG	UJ
2,3,4,6-Tetrachlorophenol					U	930	UG/KG	UJ
2,4,5-Trichlorophenol					U	4500	UG/KG	U
2,4,6-Trichlorophenol					U	930	UG/KG	U
2,4-Dichlorophenol					U	930	UG/KG	U

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1107
151269

1108

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1777					1777					1777					1776			
Sample ID:		063130					063135					063137					063147			
Sample Date:		27-JUL-91					27-JUL-91					27-JUL-91					30-JUL-91			
Top Depth (ft):		4.5					7					8					6			
Bottom Depth (ft):		5					7.5					8.5					6.5			
2,4-Dimethylphenol	U	460	UG/KG	U																
2,4-Dinitrophenol	U	2200	UG/KG	U																
2,4-Dinitrotoluene	U	460	UG/KG	U																
2,6-Dichlorophenol																				
2,6-Dinitrotoluene	U	460	UG/KG	U																
2-Acetylaminofluorene																				
2-Chloronaphthalene	U	460	UG/KG	U																
2-Chlorophenol	U	460	UG/KG	U																
2-Methylnaphthalene	U	460	UG/KG	U																
2-Methylphenol	U	460	UG/KG	U																
2-Naphthylamine																				
2-Nitroaniline	U	2200	UG/KG	U																
2-Nitrophenol	U	460	UG/KG	U																
2-Picoline																				
3,3'-Dichlorobenzidine	U	910	UG/KG	UJ																
3,3'-Dimethylbenzidine																				
3-Methylcholanthrene																				
3-Methylphenol																				
3-Nitroaniline	U	2200	UG/KG	UJ																
4,6-Dinitro-2-methylphenol	U	2200	UG/KG	U																
4-Aminobiphenyl																				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol					U	460	UG/KG	U	U	450	UG/KG	U				
2,4-Dinitrophenol					U	2200	UG/KG	U	U	2200	UG/KG	U				
2,4-Dinitrotoluene					U	460	UG/KG	U	U	450	UG/KG	U				
2,6-Dichlorophenol																
2,6-Dinitrotoluene					U	460	UG/KG	U	U	450	UG/KG	U				
2-Acetylaminofluorene																
2-Chloronaphthalene					U	460	UG/KG	U	U	450	UG/KG	U				
2-Chlorophenol					U	460	UG/KG	U	U	450	UG/KG	U				
2-Methylnaphthalene					U	460	UG/KG	U	J	70	UG/KG	J				
2-Methylphenol					U	460	UG/KG	U	U	450	UG/KG	U				
2-Naphthylamine																
2-Nitroaniline					U	2200	UG/KG	U	U	2200	UG/KG	U				
2-Nitrophenol					U	460	UG/KG	U	U	450	UG/KG	U				
2-Picoline																
3,3'-Dichlorobenzidine					U	910	UG/KG	U	U	900	UG/KG	UJ				
3,3'-Dimethylbenzidine																
3-Methylcholanthrene																
3-Methylphenol																
3-Nitroaniline					U	2200	UG/KG	U	U	2200	UG/KG	UJ				
4,6-Dinitro-2-methylphenol					U	2200	UG/KG	U	U	2200	UG/KG	U				
4-Aminobiphenyl																

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1709
-5129

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:		1776				1776				1776				1776		
Sample ID:		063171				063180				063201				063203		
Sample Date:		30-JUL-91				30-JUL-91				31-JUL-91				31-JUL-91		
Top Depth (ft):		18				22.5				6.5				19.5		
Bottom Depth (ft):		18.5				23				19.5				32.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol													U	5000	UG/KG	U
2,4-Dinitrophenol													U	24000	UG/KG	U
2,4-Dinitrotoluene													U	5000	UG/KG	U
2,6-Dichlorophenol																
2,6-Dinitrotoluene													U	5000	UG/KG	U
2-Acetylaminofluorene																
2-Chloronaphthalene													U	5000	UG/KG	U
2-Chlorophenol													U	5000	UG/KG	U
2-Methylnaphthalene													J	820	UG/KG	J
2-Methylphenol													U	5000	UG/KG	U
2-Naphthylamine																
2-Nitroaniline													U	24000	UG/KG	U
2-Nitrophenol													U	5000	UG/KG	U
2-Picoline																
3,3'-Dichlorobenzidine													U	10000	UG/KG	UJ
3,3'-Dimethylbenzidine																
3-Methylcholanthrene																
3-Methylphenol																
3-Nitroaniline													U	24000	UG/KG	UJ
4,6-Dinitro-2-methylphenol													U	24000	UG/KG	U
4-Aminobiphenyl																

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:		1776					1819		
Sample ID:		063205					063885		
Sample Date:		31-JUL-91					16-OCT-91		
Top Depth (ft):		0					6.5		
Bottom Depth (ft):		32.5					7		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ TCLP
2,4-Dimethylphenol						U	930	UG/KG	U
2,4-Dinitrophenol						U	4500	UG/KG	U
2,4-Dinitrotoluene						U	930	UG/KG	U
2,6-Dichlorophenol						U	930	UG/KG	UJ
2,6-Dinitrotoluene						U	930	UG/KG	U
2-Acetylaminofluorene						U	930	UG/KG	UJ
2-Chloronaphthalene						U	930	UG/KG	U
2-Chlorophenol						U	930	UG/KG	U
2-Methylnaphthalene						U	930	UG/KG	U
2-Methylphenol						U	930	UG/KG	UJ
2-Naphthylamine						U	16000	UG/KG	UJ
2-Nitroaniline						U	4500	UG/KG	U
2-Nitrophenol						U	930	UG/KG	U
2-Picoline						U	6500	UG/KG	UJ
3,3'-Dichlorobenzidine						U	1900	UG/KG	U
3,3'-Dimethylbenzidine						U	7600	UG/KG	UJ
3-Methylcholanthrene						U	2800	UG/KG	UJ
3-Methylphenol						U	930	UG/KG	UJ
3-Nitroaniline						U	4500	UG/KG	U
4,6-Dinitro-2-methylphenol						U	4500	UG/KG	U
4-Aminobiphenyl						U	4700	UG/KG	UJ

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:		1777				1777				1777				1776	
Sample ID:		063130				063135				063137				063147	
Sample Date:		27-JUL-91				27-JUL-91				27-JUL-91				30-JUL-91	
Top Depth (ft):		4.5				7				8				6	
Bottom Depth (ft):		5				7.5				8.5				6.5	
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
4-Bromophenyl phenyl ether	U	460	UG/KG	U											
4-Chloro-3-methylphenol	U	460	UG/KG	U											
4-Chloroaniline	U	460	UG/KG	UJ											
4-Chlorophenylphenyl ether	U	460	UG/KG	U											
4-Methylphenol	U	460	UG/KG	U											
4-Nitroaniline	U	2200	UG/KG	UJ											
4-Nitrophenol	U	2200	UG/KG	UJ											
4-Nitroquinoline-1-oxide															
5-Nitro-o-toluidine															
7,12-Dimethylbenz(a)anthracene															
Acenaphthene	U	460	UG/KG	U											
Acenaphthylene	U	460	UG/KG	U											
Acetophenone															
Aniline															
Anthracene	U	460	UG/KG	U											
Aramite															
Benzo(a)anthracene	U	460	UG/KG	U											
Benzo(a)pyrene	U	460	UG/KG	U											
Benzo(b)fluoranthene	U	460	UG/KG	U											
Benzo(g,h,i)perylene	U	460	UG/KG	UJ											
Benzo(k)fluoranthene	U	460	UG/KG	U											

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-Bromophenyl phenyl ether					U	460	UG/KG	U	U	450	UG/KG	U				
4-Chloro-3-methylphenol					U	460	UG/KG	U	U	450	UG/KG	U				
4-Chloroaniline					U	460	UG/KG	U	U	450	UG/KG	UJ				
4-Chlorophenylphenyl ether					U	460	UG/KG	U	U	450	UG/KG	U				
4-Methylphenol					U	460	UG/KG	U	U	450	UG/KG	U				
4-Nitroaniline					U	2200	UG/KG	U	U	2200	UG/KG	UJ				
4-Nitrophenol					U	2200	UG/KG	U	U	2200	UG/KG	UJ				
4-Nitroquinoline-1-oxide																
5-Nitro-o-toluidine																
7,12-Dimethylbenz(a)anthracene																
Acenaphthene					U	460	UG/KG	U	U	450	UG/KG	U				
Acenaphthylene					U	460	UG/KG	U	U	450	UG/KG	U				
Acetophenone																
Aniline																
Anthracene					U	460	UG/KG	U	U	450	UG/KG	U				
Aramite																
Benzo(a)anthracene					U	460	UG/KG	U	U	450	UG/KG	U				
Benzo(a)pyrene					U	460	UG/KG	U	U	450	UG/KG	U				
Benzo(b)fluoranthene					U	460	UG/KG	U	U	450	UG/KG	U				
Benzo(g,h,i)perylene					U	460	UG/KG	U	U	450	UG/KG	UJ				
Benzo(k)fluoranthene					U	460	UG/KG	U	U	450	UG/KG	U				

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
= Detected
NV = Not Validated
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See Introduction to Appendices for additional explanation.

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1776				1776				1776				1776		
Sample ID:		063171				063180				063201				063203		
Sample Date:		30-JUL-91				30-JUL-91				31-JUL-91				31-JUL-91		
Top Depth (ft):		18				22.5				6.5				19.5		
Bottom Depth (ft):		18.5				23				19.5				32.5		
4-Bromophenyl phenyl ether													U	5000	UG/KG	U
4-Chloro-3-methylphenol													U	5000	UG/KG	U
4-Chloroaniline													U	5000	UG/KG	UJ
4-Chlorophenylphenyl ether													U	5000	UG/KG	U
4-Methylphenol													U	5000	UG/KG	U
4-Nitroaniline													U	24000	UG/KG	UJ
4-Nitrophenol													U	24000	UG/KG	UJ
4-Nitroquinoline-1-oxide																
5-Nitro-o-toluidine																
7,12-Dimethylbenz(a)anthracene																
Acenaphthene													J	1100	UG/KG	J
Acenaphthylene													U	5000	UG/KG	U
Acetophenone																
Aniline																
Anthracene													J	3100	UG/KG	J
Aramite																
Benzo(a)anthracene														6300	UG/KG	-
Benzo(a)pyrene													J	3900	UG/KG	J
Benzo(b)fluoranthene														9600	UG/KG	-
Benzo(g,h,i)perylene													J	2900	UG/KG	J
Benzo(k)fluoranthene													U	5000	UG/KG	U

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TCLP = Toxicity Characteristic Leaching Procedure
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J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1819			
Sample ID:		063205					063885			
Sample Date:		31-JUL-91					16-OCT-91			
Top Depth (ft):		0					6.5			
Bottom Depth (ft):		32.5					7			
4-Bromophenyl phenyl ether						U	930	UG/KG	U	
4-Chloro-3-methylphenol						U	930	UG/KG	U	
4-Chloroaniline						U	930	UG/KG	U	
4-Chlorophenylphenyl ether						U	930	UG/KG	U	
4-Methylphenol						U	930	UG/KG	UJ	
4-Nitroaniline						U	4500	UG/KG	U	
4-Nitrophenol						U	4500	UG/KG	U	
4-Nitroquinoline-1-oxide						U	930	UG/KG	UJ	
5-Nitro-o-toluidine						U	1900	UG/KG	UJ	
7,12-Dimethylbenz(a)anthracene						U	1900	UG/KG	UJ	
Acenaphthene						U	930	UG/KG	U	
Acenaphthylene						U	930	UG/KG	U	
Acetophenone						U	930	UG/KG	UJ	
Aniline						U	4800	UG/KG	UJ	
Anthracene						U	930	UG/KG	U	
Aramite						U	930	UG/KG	UJ	
Benzo(a)anthracene						J	200	UG/KG	J	
Benzo(a)pyrene						J	240	UG/KG	J	
Benzo(b)fluoranthene						U	930	UG/KG	U	
Benzo(g,h,i)perylene						J	180	UG/KG	J	
Benzo(k)fluoranthene						J	340	UG/KG	J	

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1777				1777				1777				1776		
Sample ID:	063130				063135				063137				063147		
Sample Date:	27-JUL-91				27-JUL-91				27-JUL-91				30-JUL-91		
Top Depth (ft):	4.5				7				8				6		
Bottom Depth (ft):	5				7.5				8.5				6.5		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
Benzoic acid	U	2200	UG/KG	UJ											
Benzyl alcohol	U	460	UG/KG	U											
Butyl benzyl phthalate	U	460	UG/KG	U											
Chlorobenzilate															
Chrysene	U	460	UG/KG	U											
Di-n-butyl phthalate	U	460	UG/KG	U											
Di-n-octyl phthalate	U	460	UG/KG	U											
Diallate															
Dibenzo(a,h)anthracene	U	460	UG/KG	U											
Dibenzofuran	U	460	UG/KG	U											
Diethyl phthalate	U	460	UG/KG	U											
Dimethyl phthalate	U	460	UG/KG	U											
Dinoseb															
Diphenylamine															
Ethyl methanesulfonate															
Fluoranthene	U	460	UG/KG	U											
Fluorene	U	460	UG/KG	U											
Hexachlorobenzene	U	460	UG/KG	U											
Hexachlorobutadiene	U	460	UG/KG	U											
Hexachlorocyclopentadiene	U	460	UG/KG	U											
Hexachloroethane	U	460	UG/KG	UJ											

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid					U	2200	UG/KG	U	U	2200	UG/KG	UJ				
Benzyl alcohol					U	460	UG/KG	U	U	450	UG/KG	U				
Butyl benzyl phthalate					U	460	UG/KG	U	U	450	UG/KG	U				
Chlorobenzilate																
Chrysene					U	460	UG/KG	U	U	450	UG/KG	U				
Di-n-butyl phthalate					U	460	UG/KG	U	U	450	UG/KG	U				
Di-n-octyl phthalate					U	460	UG/KG	U	U	450	UG/KG	U				
Diallate																
Dibenzo(a,h)anthracene					U	460	UG/KG	U	U	450	UG/KG	U				
Dibenzofuran					U	460	UG/KG	U	U	450	UG/KG	U				
Diethyl phthalate					U	460	UG/KG	U	J	80	UG/KG	J				
Dimethyl phthalate					U	460	UG/KG	U	U	450	UG/KG	U				
Dinoseb					U	19	UG/KG	U								
Diphenylamine																
Ethyl methanesulfonate																
Fluoranthene					U	460	UG/KG	U	U	450	UG/KG	U				
Fluorene					U	460	UG/KG	U	J	52	UG/KG	J				
Hexachlorobenzene					U	460	UG/KG	U	U	450	UG/KG	U				
Hexachlorobutadiene					U	460	UG/KG	U	U	450	UG/KG	U				
Hexachlorocyclopentadiene					U	460	UG/KG	U	U	450	UG/KG	U				
Hexachloroethane					U	460	UG/KG	U	U	450	UG/KG	UJ				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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-129

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1776				1776				1776				1776		
Sample ID:		063171				063180				063201				063203		
Sample Date:		30-JUL-91				30-JUL-91				31-JUL-91				31-JUL-91		
Top Depth (ft):		18				22.5				6.5				19.5		
Bottom Depth (ft):		18.5				23				19.5				32.5		
Benzoic acid													U	24000	UG/KG	UJ
Benzyl alcohol													U	5000	UG/KG	U
Butyl benzyl phthalate													U	5000	UG/KG	U
Chlorobenzilate									U	20	UG/KG	U				
Chrysene														7000	UG/KG	-
Di-n-butyl phthalate													U	5000	UG/KG	U
Di-n-octyl phthalate													U	5000	UG/KG	U
Diallate																
Dibenzo(a,h)anthracene													U	5000	UG/KG	U
Dibenzofuran													J	900	UG/KG	J
Diethyl phthalate													U	5000	UG/KG	U
Dimethyl phthalate													U	5000	UG/KG	U
Dinoseb									U	17	UG/KG	U				
Diphenylamine																
Ethyl methanesulfonate																
Fluoranthene														16000	UG/KG	-
Fluorene													J	1700	UG/KG	J
Hexachlorobenzene													U	5000	UG/KG	U
Hexachlorobutadiene													U	5000	UG/KG	U
Hexachlorocyclopentadiene													U	5000	UG/KG	U
Hexachloroethane													U	5000	UG/KG	UJ

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	1776				1819			
Sample ID:	063205				063885			
Sample Date:	31-JUL-91				16-OCT-91			
Top Depth (ft):	0				6.5			
Bottom Depth (ft):	32.5				7			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Benzoic acid					U	4500	UG/KG	U
Benzyl alcohol					U	930	UG/KG	UJ
Butyl benzyl phthalate					U	930	UG/KG	U
Chlorobenzilate								
Chrysene					J	210	UG/KG	J
Di-n-butyl phthalate					U	930	UG/KG	U
Di-n-octyl phthalate					U	930	UG/KG	U
Diallate					U	930	UG/KG	U
Dibenzo(a,h)anthracene					U	930	UG/KG	U
Dibenzofuran					U	930	UG/KG	U
Diethyl phthalate					U	930	UG/KG	U
Dimethyl phthalate					U	930	UG/KG	U
Dinoseb					U	1900	UG/KG	UJ
Diphenylamine					U	930	UG/KG	UJ
Ethyl methanesulfonate					U	930	UG/KG	UJ
Fluoranthene					J	310	UG/KG	J
Fluorene					U	930	UG/KG	U
Hexachlorobenzene					U	930	UG/KG	U
Hexachlorobutadiene					U	930	UG/KG	U
Hexachlorocyclopentadiene					U	930	UG/KG	U
Hexachloroethane					U	930	UG/KG	U

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

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C128

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

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Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1777				1777				1777				1776		
Sample ID:		063130				063135				063137				063147		
Sample Date:		27-JUL-91				27-JUL-91				27-JUL-91				30-JUL-91		
Top Depth (ft):		4.5				7				8				6		
Bottom Depth (ft):		5				7.5				8.5				6.5		
Hexachlorophene																
Hexachloropropene																
Indeno(1,2,3-cd)pyrene	U	460	UG/KG	U												
Isophorone	U	460	UG/KG	U												
Isosafrole																
Methapyrilene																
Methyl methanesulfonate																
N-Nitroso-di-n-propylamine	U	460	UG/KG	U												
N-Nitrosodi-n-butylamine																
N-Nitrosodiethylamine																
N-Nitrosodimethylamine																
N-Nitrosodiphenylamine	U	460	UG/KG	U												
N-Nitrosomethylethylamine																
N-Nitrosomorpholine																
N-Nitrosopiperidine																
N-Nitrosopyrrolidine																
Naphthalene	U	460	UG/KG	U												
Nitrobenzene	U	460	UG/KG	U												
O,O,O-Triethylphosphorothioate																
Pentachlorobenzene																
Pentachloroethane																

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Hexachlorophene																
Hexachloropropene																
Indeno(1,2,3-cd)pyrene					U	460	UG/KG	U	U	450	UG/KG	U				
Isophorone					U	460	UG/KG	U	U	450	UG/KG	U				
Isosafrole																
Methapyrilene																
Methyl methanesulfonate																
N-Nitroso-di-n-propylamine					U	460	UG/KG	U	U	450	UG/KG	U				
N-Nitrosodi-n-butylamine																
N-Nitrosodiethylamine																
N-Nitrosodimethylamine																
N-Nitrosodiphenylamine					U	460	UG/KG	U	U	450	UG/KG	U				
N-Nitrosomethylethylamine																
N-Nitrosomorpholine																
N-Nitrosopiperidine																
N-Nitrosopyrrolidine																
Naphthalene					U	460	UG/KG	U	J	200	UG/KG	J				
Nitrobenzene					U	460	UG/KG	U	U	450	UG/KG	U				
O,O,O-Triethylphosphorothioate					U	50	UG/KG	U								
Pentachlorobenzene																
Pentachloroethane																

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1776					1776					1776			
Sample ID:		063171					063180					063201					063203			
Sample Date:		30-JUL-91					30-JUL-91					31-JUL-91					31-JUL-91			
Top Depth (ft):		18					22.5					6.5					19.5			
Bottom Depth (ft):		18.5					23					19.5					32.5			
Hexachlorophene																				
Hexachloropropene																				
Indeno(1,2,3-cd)pyrene																J	2200	UG/KG	J	
Isophorone																U	5000	UG/KG	U	
Isosafrole																				
Methapyrilene																				
Methyl methanesulfonate																				
N-Nitroso-di-n-propylamine																U	5000	UG/KG	U	
N-Nitrosodi-n-butylamine																				
N-Nitrosodiethylamine																				
N-Nitrosodimethylamine																				
N-Nitrosodiphenylamine																U	5000	UG/KG	U	
N-Nitrosomethylethylamine																				
N-Nitrosomorpholine																				
N-Nitrosopiperidine																				
N-Nitrosopyrrolidine																				
Naphthalene																U	5000	UG/KG	U	
Nitrobenzene																U	5000	UG/KG	U	
O,O,O-Triethylphosphorothioate											U	100	UG/KG	U						
Pentachlorobenzene																				
Pentachloroethane																				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1776				1819		
Sample ID:		063205				063885		
Sample Date:		31-JUL-91				16-OCT-91		
Top Depth (ft):		0				6.5		
Bottom Depth (ft):		32.5				7		
Hexachlorophene					U	4800	UG/KG	UJ
Hexachloropropene					U	1900	UG/KG	UJ
Indeno(1,2,3-cd)pyrene					J	150	UG/KG	J
Isophorone					U	930	UG/KG	U
Isosafrole					U	930	UG/KG	UJ
Methapyrilene					U	3700	UG/KG	R
Methyl methanesulfonate					U	930	UG/KG	UJ
N-Nitroso-di-n-propylamine					U	930	UG/KG	U
N-Nitrosodi-n-butylamine					U	1900	UG/KG	UJ
N-Nitrosodiethylamine					U	930	UG/KG	UJ
N-Nitrosodimethylamine					U	930	UG/KG	UJ
N-Nitrosodiphenylamine					U	930	UG/KG	U
N-Nitrosomethylethylamine					U	930	UG/KG	UJ
N-Nitrosomorpholine					U	930	UG/KG	UJ
N-Nitrosopiperidine					U	930	UG/KG	UJ
N-Nitrosopyrrolidine					U	930	UG/KG	UJ
Naphthalene					U	930	UG/KG	U
Nitrobenzene					U	930	UG/KG	U
O,O,O-Triethylphosphorothioate					U	930	UG/KG	UJ
Pentachlorobenzene					U	1900	UG/KG	UJ
Pentachloroethane					U	1900	UG/KG	UJ

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:		1777			1777			1777			1776		
Sample ID:		063130			063135			063137			063147		
Sample Date:		27-JUL-91			27-JUL-91			27-JUL-91			30-JUL-91		
Top Depth (ft):		4.5			7			8			6		
Bottom Depth (ft):		5			7.5			8.5			6.5		
Pentachloronitrobenzene													
Pentachlorophenol	U	2200	UG/KG	U									
Phenacetin													
Phenanthrene	U	460	UG/KG	U									
Phenol	U	460	UG/KG	U									
Phorate													
Pronamide													
Pyrene	U	460	UG/KG	U									
Pyridine													
Safrole													
Sulfotepp													
Tributyl phosphate													
a,a-Dimethylphenethylamine													
bis(2-Chloroethoxy)methane	U	460	UG/KG	U									
bis(2-Chloroethyl)ether	U	460	UG/KG	UJ									
bis(2-Chloroisopropyl) ether	U	460	UG/KG	UJ									
bis(2-Ethylhexyl) phthalate	J	80	UG/KG	U									
o-Toluidine													
p-Dimethylaminoazobenzene													
p-Phenylenediamine													
1,1,1,2-Tetrachloroethane													

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Spring:	1776				1777				1777				1777		
Sample ID:	063148				063160				063162				063164		
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91		
Top Depth (ft):	6.5				0				6.5				0		
Bottom Depth (ft):	7				6.5				26				26		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene																
Pentachlorophenol					U	2200	UG/KG	U	U	2200	UG/KG	U				
Phenacetin																
Phenanthrene					U	460	UG/KG	U	J	310	UG/KG	J				
Phenol					U	460	UG/KG	U	U	450	UG/KG	U				
Phorate					U	50	UG/KG	U								
Pronamide																
Pyrene					U	460	UG/KG	U	J	240	UG/KG	J				
Pyridine	BU	27.1	UG/KG	R												
Safrole																
Sulfotepp					U	50	UG/KG	U								
Tributyl phosphate																
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane					U	460	UG/KG	U	U	450	UG/KG	U				
bis(2-Chloroethyl)ether					U	460	UG/KG	U	U	450	UG/KG	UJ				
bis(2-Chloroisopropyl) ether					U	460	UG/KG	U	U	450	UG/KG	U				
bis(2-Ethylhexyl) phthalate					J	80	UG/KG	J	J	180	UG/KG	J				
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane	U	6.78	UG/KG	U												

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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-J128

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:		1776				1776				1776				1776		
Sample ID:		063171				063180				063201				063203		
Sample Date:		30-JUL-91				30-JUL-91				31-JUL-91				31-JUL-91		
Top Depth (ft):		18				22.5				6.5				19.5		
Bottom Depth (ft):		18.5				23				19.5				32.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Pentachloronitrobenzene																
Pentachlorophenol													U	24000	UG/KG	U
Phenacetin																
Phenanthrene														15000	UG/KG	-
Phenol													U	5000	UG/KG	U
Phorate									U	.1	UG/KG	U				
Pronamide																
Pyrene														14000	UG/KG	-
Pyridine																
Safrole																
Sulfotepp									U	.1	UG/KG	U				
Tributyl phosphate																
a,a-Dimethylphenethylamine																
bis(2-Chloroethoxy)methane													U	5000	UG/KG	U
bis(2-Chloroethyl)ether													U	5000	UG/KG	U
bis(2-Chloroisopropyl) ether													U	5000	UG/KG	UJ
bis(2-Ethylhexyl) phthalate														9700	UG/KG	-
o-Toluidine																
p-Dimethylaminoazobenzene																
p-Phenylenediamine																
1,1,1,2-Tetrachloroethane																

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:		1776					1819		
Sample ID:		063205					063885		
Sample Date:		31-JUL-91					16-OCT-91		
Top Depth (ft):		0					6.5		
Bottom Depth (ft):		32.5					7		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Pentachloronitrobenzene						U	1900	UG/KG	UJ	
Pentachlorophenol						U	4500	UG/KG	U	
Phenacetin						U	930	UG/KG	UJ	
Phenanthrene						J	150	UG/KG	J	
Phenol						U	930	UG/KG	U	
Phorate										
Pronamide						U	2800	UG/KG	UJ	
Pyrene						J	320	UG/KG	J	
Pyridine										
Safrole						U	930	UG/KG	UJ	
Sulfotepp						U	930	UG/KG	UJ	
Tributyl phosphate										
a,a-Dimethylphenethylamine						U	930	UG/KG	UJ	
bis(2-Chloroethoxy)methane						U	930	UG/KG	U	
bis(2-Chloroethyl)ether						U	930	UG/KG	U	
bis(2-Chloroisopropyl) ether						U	930	UG/KG	U	
bis(2-Ethylhexyl) phthalate						U	930	UG/KG	U	
o-Toluidine						U	930	UG/KG	U	
p-Dimethylaminoazobenzene						U	2800	UG/KG	UJ	
p-Phenylenediamine						U	4700	UG/KG	UJ	
1,1,1,2-Tetrachloroethane										

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		1777				1777				1777				1776		
Sample ID:		063130				063135				063137				063147		
Sample Date:		27-JUL-91				27-JUL-91				27-JUL-91				30-JUL-91		
Top Depth (ft):		4.5				7				8				6		
Bottom Depth (ft):		5				7.5				8.5				6.5		
1,1,1-Trichloroethane	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
1,1,2,2-Tetrachloroethane	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
1,1,2-Trichloroethane	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
1,1-Dichloroethane	U	7	UG/KG	UJ		12	UG/KG	J					U	8	UG/KG	U
1,1-Dichloroethene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
1,2,3-Trichloropropane																
1,2-Dibromo-3-chloropropane																
1,2-Dibromoethane																
1,2-Dichloroethane	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
1,2-Dichloroethene (total)																
1,2-Dichloroethylene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
1,2-Dichloropropane	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
1,4-Dioxane																
2-Butanone	U	14	UG/KG	UJ	U	13	UG/KG	R					BJ	12	UG/KG	UJ
2-Chloro-1,3-butadiene																
2-Hexanone	U	14	UG/KG	UJ	U	13	UG/KG	R					U	15	UG/KG	U
3-Chloropropene																
4-Methyl-2-pentanone	U	14	UG/KG	UJ	U	13	UG/KG	R					U	15	UG/KG	U
Acetone	B	16	UG/KG	UJ	B	55	UG/KG	J					B	23	UG/KG	J
Acetonitrile																
Acrolein																

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:		1776			1777			1777			1777		
Sample ID:		063148			063160			063162			063164		
Sample Date:		30-JUL-91			28-JUL-91			28-JUL-91			28-JUL-91		
Top Depth (ft):		6.5			0			6.5			0		
Bottom Depth (ft):		7			6.5			26			26		
1,1,1-Trichloroethane	U	7	UG/KG	U									
1,1,2,2-Tetrachloroethane	U	7	UG/KG	U									
1,1,2-Trichloroethane	U	7	UG/KG	U									
1,1-Dichloroethane	U	7	UG/KG	U									
1,1-Dichloroethene	U	7	UG/KG	U									
1,2,3-Trichloropropane	U	6.78	UG/KG	UJ									
1,2-Dibromo-3-chloropropane	U	13.6	UG/KG	U									
1,2-Dibromoethane	U	6.78	UG/KG	U									
1,2-Dichloroethane	U	7	UG/KG	U									
1,2-Dichloroethene (total)													
1,2-Dichloroethylene	U	7	UG/KG	U									
1,2-Dichloropropane	U	7	UG/KG	U									
1,4-Dioxane	U	6780	UG/KG	R									
2-Butanone		41	UG/KG	J									
2-Chloro-1,3-butadiene	U	6.78	UG/KG	U									
2-Hexanone	J	2	UG/KG	J									
3-Chloropropene	U	6.78	UG/KG	U									
4-Methyl-2-pentanone	U	14	UG/KG	U									
Acetone	B	100	UG/KG	J									
Acetonitrile	U	1360	UG/KG	UJ									
Acrolein	U	13.6	UG/KG	UJ									

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:		1776			1776			1776			1776		
Sample ID:		063171			063180			063201			063203		
Sample Date:		30-JUL-91			30-JUL-91			31-JUL-91			31-JUL-91		
Top Depth (ft):		18			22.5			6.5			19.5		
Bottom Depth (ft):		18.5			23			19.5			32.5		
1,1,1-Trichloroethane	J	2	UG/KG	J									
1,1,2,2-Tetrachloroethane	U	6	UG/KG	U									
1,1,2-Trichloroethane	U	6	UG/KG	U									
1,1-Dichloroethane		110	UG/KG	-									
1,1-Dichloroethene	U	6	UG/KG	U									
1,2,3-Trichloropropane													
1,2-Dibromo-3-chloropropane													
1,2-Dibromoethane													
1,2-Dichloroethane	U	6	UG/KG	UJ									
1,2-Dichloroethene (total)													
1,2-Dichloroethylene	U	6	UG/KG	U									
1,2-Dichloropropane	U	6	UG/KG	U									
1,4-Dioxane													
2-Butanone	BJ	12	UG/KG	UJ									
2-Chloro-1,3-butadiene													
2-Hexanone	U	12	UG/KG	U									
3-Chloropropene													
4-Methyl-2-pentanone	J	6	UG/KG	J									
Acetone	B	35	UG/KG	J									
Acetonitrile													
Acrolein													

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1777				1777				1777				1776		
Sample ID:	063130				063135				063137				063147		
Sample Date:	27-JUL-91				27-JUL-91				27-JUL-91				30-JUL-91		
Top Depth (ft):	4.5				7				8				6		
Bottom Depth (ft):	5				7.5				8.5				6.5		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Acrylonitrile																
Benzene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Bromodichloromethane	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Bromoform	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Bromomethane	U	14	UG/KG	UJ	U	13	UG/KG	R					U	15	UG/KG	U
Carbon Tetrachloride	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Carbon disulfide	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Chlorobenzene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Chloroethane	U	14	UG/KG	UJ	U	13	UG/KG	R					U	15	UG/KG	U
Chloroform	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Chloromethane	U	14	UG/KG	UJ	U	13	UG/KG	R					U	15	UG/KG	UJ
Dibromochloromethane	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Dibromomethane																
Dichlorodifluoromethane																
Ethyl cyanide																
Ethyl methacrylate																
Ethylbenzene	U	7	UG/KG	UJ	U	7	UG/KG	R					J	6	UG/KG	J
Iodomethane																
Isobutyl alcohol																
Methacrylonitrile																
Methyl methacrylate																

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
[illegible] = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
Well/Boring:		1776			1777			1777			1777		
Sample ID:		063148			063160			063162			063164		
Sample Date:		30-JUL-91			28-JUL-91			28-JUL-91			28-JUL-91		
Top Depth (ft):		6.5			0			6.5			0		
Bottom Depth (ft):		7			6.5			26			26		
Acrylonitrile	U	13.6	UG/KG	UJ									
Benzene	U	7	UG/KG	U									
Bromodichloromethane	U	7	UG/KG	U									
Bromoform	U	7	UG/KG	U									
Bromomethane	U	14	UG/KG	U									
Carbon Tetrachloride	U	7	UG/KG	U									
Carbon disulfide	J	1	UG/KG	J									
Chlorobenzene	J	2	UG/KG	J									
Chloroethane	U	14	UG/KG	U									
Chloroform	U	7	UG/KG	U									
Chloromethane	U	14	UG/KG	UJ									
Dibromochloromethane	U	7	UG/KG	U									
Dibromomethane	U	13.6	UG/KG	U									
Dichlorodifluoromethane	U	271	UG/KG	R									
Ethyl cyanide	U	136	UG/KG	UJ									
Ethyl methacrylate	U	13.6	UG/KG	U									
Ethylbenzene		28	UG/KG	-									
Iodomethane	U	6.78	UG/KG	U									
Isobutyl alcohol	U	27.1	UG/KG	R									
Methacrylonitrile	U	13.6	UG/KG	UJ									
Methyl methacrylate	U	13.6	UG/KG	UJ									

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776				1776				1776				1776			
Sample ID:		063171				063180				063201				063203			
Sample Date:		30-JUL-91				30-JUL-91				31-JUL-91				31-JUL-91			
Top Depth (ft):		18				22.5				6.5				19.5			
Bottom Depth (ft):		18.5				23				19.5				32.5			
Acrylonitrile																	
Benzene	U	6	UG/KG	U													
Bromodichloromethane	U	6	UG/KG	U													
Bromoform	U	6	UG/KG	U													
Bromomethane	U	12	UG/KG	U													
Carbon Tetrachloride	U	6	UG/KG	U													
Carbon disulfide	U	6	UG/KG	U													
Chlorobenzene	U	6	UG/KG	U													
Chloroethane	U	12	UG/KG	U													
Chloroform	U	6	UG/KG	U													
Chloromethane	U	12	UG/KG	UJ													
Dibromochloromethane	U	6	UG/KG	U													
Dibromomethane																	
Dichlorodifluoromethane																	
Ethyl cyanide																	
Ethyl methacrylate																	
Ethylbenzene		9	UG/KG	-													
Iodomethane																	
Isobutyl alcohol																	
Methacrylonitrile																	
Methyl methacrylate																	

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Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
= Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1777				1777				1777				1776			
Sample ID:	063130				063135				063137				063147			
Sample Date:	27-JUL-91				27-JUL-91				27-JUL-91				30-JUL-91			
Top Depth (ft):	4.5				7				8				6			
Bottom Depth (ft):	5				7.5				8.5				6.5			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride	B	19	UG/KG	UJ	B	56	UG/KG	J					B	28	UG/KG	U
Styrene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Tetrachlorethene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Toluene	J	3	UG/KG	J	U	7	UG/KG	R					BJ	2	UG/KG	U
Total xylenes	U	7	UG/KG	UJ	U	7	UG/KG	R					B	38	UG/KG	-
Trichloroethene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
Trichlorofluoromethane																
Vinyl Acetate	U	14	UG/KG	UJ	U	13	UG/KG	R					U	15	UG/KG	U
Vinyl chloride	U	14	UG/KG	UJ	U	13	UG/KG	R					U	15	UG/KG	U
cis-1,3-Dichloropropene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
trans-1,3-Dichloropropene	U	7	UG/KG	UJ	U	7	UG/KG	R					U	8	UG/KG	U
trans-1,4-Dichloro-2-butene																
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD																
4,4-DDE																
4,4-DDT																
Aldrin																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777		
Sample ID:	063148				063160				063162				063164		
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91		
Top Depth (ft):	6.5				0				6.5				0		
Bottom Depth (ft):	7				6.5				26				26		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Methylene chloride	BJ	7	UG/KG	UJ												
Styrene	U	7	UG/KG	U												
Tetrachlorethene	U	7	UG/KG	U												
Toluene	BJ	7	UG/KG	U												
Total xylenes		190	UG/KG	-												
Trichloroethene	U	7	UG/KG	U												
Trichlorofluoromethane	U	6.78	UG/KG	U												
Vinyl Acetate	U	14	UG/KG	U												
Vinyl chloride	U	14	UG/KG	U												
cis-1,3-Dichloropropene	U	7	UG/KG	U												
trans-1,3-Dichloropropene	U	7	UG/KG	U												
trans-1,4-Dichloro-2-butene	U	136	UG/KG	UJ												
2,4,5-TP (Silvex)																
2,4-D																
4,4-DDD													U	.1	UG/L	UJ Y
4,4-DDE													U	.1	UG/L	UJ Y
4,4-DDT													U	.1	UG/L	UJ Y
Aldrin													U	.05	UG/L	UJ Y
Aroclor-1016													U	.5	UG/L	UJ Y
Aroclor-1221													U	.5	UG/L	UJ Y
Aroclor-1232													U	.5	UG/L	UJ Y

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:		1776			1776			1776			1776			
Sample ID:		063171			063180			063201			063203			
Sample Date:		30-JUL-91			30-JUL-91			31-JUL-91			31-JUL-91			
Top Depth (ft):		18			22.5			6.5			19.5			
Bottom Depth (ft):		18.5			23			19.5			32.5			
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP	
Methylene chloride	B	15	UG/KG	U										
Styrene	U	6	UG/KG	U										
Tetrachlorethene	U	6	UG/KG	U										
Toluene	BJ	6	UG/KG	U										
Total xylenes	B	74	UG/KG	-										
Trichloroethene	U	6	UG/KG	U										
Trichlorofluoromethane														
Vinyl Acetate	U	12	UG/KG	U										
Vinyl chloride	J	3	UG/KG	J										
cis-1,3-Dichloropropene	U	6	UG/KG	U										
trans-1,3-Dichloropropene	U	6	UG/KG	U										
trans-1,4-Dichloro-2-butene														
2,4,5-TP (Silvex)														
2,4-D														
4,4-DDD														
4,4-DDE														
4,4-DDT														
Aldrin														
Aroclor-1016														
Aroclor-1221														
Aroclor-1232														

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1819			
Sample ID:		063205					063885			
Sample Date:		31-JUL-91					16-OCT-91			
Top Depth (ft):		0					6.5			
Bottom Depth (ft):		32.5					7			
Methylene chloride										
Styrene										
Tetrachlorethene										
Toluene										
Total xylenes										
Trichloroethene										
Trichlorofluoromethane										
Vinyl Acetate										
Vinyl chloride										
cis-1,3-Dichloropropene										
trans-1,3-Dichloropropene										
trans-1,4-Dichloro-2-butene										
2,4,5-TP (Silvex)	U	1.8	UG/L	U	Y					
2,4-D	U	10	UG/L	U	Y					
4,4-DDD										
4,4-DDE										
4,4-DDT										
Aldrin										
Aroclor-1016										
Aroclor-1221										
Aroclor-1232										

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1777					1777					1777			
Sample ID:		063148					063160					063162					063164			
Sample Date:		30-JUL-91					28-JUL-91					28-JUL-91					28-JUL-91			
Top Depth (ft):		6.5					0					6.5					0			
Bottom Depth (ft):		7					6.5					26					26			
Aroclor-1242											U	.5	UG/L	UJ	Y					
Aroclor-1248											U	.5	UG/L	UJ	Y					
Aroclor-1254											U	1	UG/L	UJ	Y					
Aroclor-1260											U	1	UG/L	UJ	Y					
Dieldrin											U	.1	UG/L	UJ	Y					
Endosulfan II											U	.1	UG/L	UJ	Y					
Endosulfan sulfate											U	.1	UG/L	UJ	Y					
Endosulfan-I											U	.05	UG/L	UJ	Y					
Endrin											U	.1	UG/L	UJ	Y					
Endrin ketone											U	.1	UG/L	UJ	Y					
Heptachlor											U	.05	UG/L	UJ	Y					
Heptachlor epoxide											U	.05	UG/L	UJ	Y					
Methoxychlor											U	.5	UG/L	UJ	Y					
Toxaphene											U	1	UG/L	UJ	Y					
alpha-BHC											U	.05	UG/L	UJ	Y					
alpha-Chlordane											U	.5	UG/L	UJ	Y					
beta-BHC											U	.05	UG/L	UJ	Y					
delta-BHC											U	.05	UG/L	UJ	Y					
gamma-BHC (Lindane)											U	.05	UG/L	UJ	Y					
gamma-Chlordane											U	.5	UG/L	UJ	Y					
1,2,4-Trichlorobenzene											U	20	UG/L	UJ	Y					

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1819			
Sample ID:		063205					063885			
Sample Date:		31-JUL-91					16-OCT-91			
Top Depth (ft):		0					6.5			
Bottom Depth (ft):		32.5					7			
Aroclor-1242										
Aroclor-1248										
Aroclor-1254										
Aroclor-1260										
Dieldrin										
Endosulfan II										
Endosulfan sulfate										
Endosulfan-I										
Endrin	U	.1	UG/L	U	Y					
Endrin ketone										
Heptachlor	U	.05	UG/L	U	Y					
Heptachlor epoxide	U	.05	UG/L	U	Y					
Methoxychlor	U	.5	UG/L	U	Y					
Toxaphene	U	1	UG/L	U	Y					
alpha-BHC										
alpha-Chlordane	U	.5	UG/L	U	Y					
beta-BHC										
delta-BHC										
gamma-BHC (Lindane)	U	.05	UG/L	U	Y					
gamma-Chlordane	U	.5	UG/L	U	Y					
1,2,4-Trichlorobenzene										

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
Y = Detected
N = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-Dichlorobenzene													U	20	UG/L	UJ Y
1,3-Dichlorobenzene													U	20	UG/L	UJ Y
1,4-Dichlorobenzene													U	20	UG/L	UJ Y
2,4,5-Trichlorophenol													U	100	UG/L	UJ Y
2,4,6-Trichlorophenol													U	20	UG/L	UJ Y
2,4-Dichlorophenol													U	20	UG/L	UJ Y
2,4-Dimethylphenol													U	20	UG/L	UJ Y
2,4-Dinitrophenol													U	100	UG/L	UJ Y
2,4-Dinitrotoluene													U	20	UG/L	UJ Y
2,6-Dinitrotoluene													U	20	UG/L	UJ Y
2-Chloronaphthalene													U	20	UG/L	UJ Y
2-Chlorophenol													U	20	UG/L	UJ Y
2-Methylnaphthalene													U	20	UG/L	UJ Y
2-Methylphenol													U	20	UG/L	UJ Y
2-Nitroaniline													U	100	UG/L	UJ Y
2-Nitrophenol													U	20	UG/L	UJ Y
3,3'-Dichlorobenzidine													U	40	UG/L	UJ Y
3-Methylphenol																
3-Nitroaniline													U	100	UG/L	UJ Y
4,6-Dinitro-2-methylphenol													U	100	UG/L	UJ Y
4-Bromophenyl phenyl ether													U	20	UG/L	UJ Y

LQ - Laboratory Qualifier (See list at front of Appendices)
Result - Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit - See list at front of Appendices.
VQ - Validated Qualifier (See list at front of Appendices)
TCLP - Toxicity Characteristic Leaching Procedure
U - Undetected
J - Estimated
- - Detected
NV - Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1819			
Sample ID:		063205					063885			
Sample Date:		31-JUL-91					16-OCT-91			
Top Depth (ft):		0					6.5			
Bottom Depth (ft):		32.5					7			
1,2-Dichlorobenzene										
1,3-Dichlorobenzene										
1,4-Dichlorobenzene	U	20	UG/L	U	Y					
2,4,5-Trichlorophenol	U	20	UG/L	U	Y					
2,4,6-Trichlorophenol	U	20	UG/L	U	Y					
2,4-Dichlorophenol										
2,4-Dimethylphenol										
2,4-Dinitrophenol										
2,4-Dinitrotoluene	U	100	UG/L	U	Y					
2,6-Dinitrotoluene										
2-Chloronaphthalene										
2-Chlorophenol										
2-Methylnaphthalene										
2-Methylphenol	U	20	UG/L	U	Y					
2-Nitroaniline										
2-Nitrophenol										
3,3'-Dichlorobenzidine										
3-Methylphenol	U	20	UG/L	U	Y					
3-Nitroaniline										
4,6-Dinitro-2-methylphenol										
4-Bromophenyl phenyl ether										

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1777					1777					1777			
Sample ID:		063148					063160					063162					063164			
Sample Date:		30-JUL-91					28-JUL-91					28-JUL-91					28-JUL-91			
Top Depth (ft):		6.5					0					6.5					0			
Bottom Depth (ft):		7					6.5					26					26			
4-Chloro-3-methylphenol																U	20	UG/L	UJ	Y
4-Chloroaniline																U	20	UG/L	UJ	Y
4-Chlorophenylphenyl ether																U	20	UG/L	UJ	Y
4-Methylphenol																U	100	UG/L	UJ	Y
4-Nitroaniline																U	100	UG/L	UJ	Y
4-Nitrophenol																U	20	UG/L	UJ	Y
Acenaphthene																U	20	UG/L	UJ	Y
Acenaphthylene																U	20	UG/L	UJ	Y
Anthracene																U	20	UG/L	UJ	Y
Benzo(a)anthracene																U	20	UG/L	UJ	Y
Benzo(a)pyrene																U	20	UG/L	UJ	Y
Benzo(b)fluoranthene																U	20	UG/L	UJ	Y
Benzo(g,h,i)perylene																U	20	UG/L	UJ	Y
Benzo(k)fluoranthene																U	100	UG/L	UJ	Y
Benzoic acid																U	20	UG/L	UJ	Y
Benzyl alcohol																U	20	UG/L	UJ	Y
Butyl benzyl phthalate																U	20	UG/L	UJ	Y
Chrysene																U	20	UG/L	UJ	Y
Di-n-butyl phthalate																U	20	UG/L	UJ	Y
Di-n-octyl phthalate																U	20	UG/L	UJ	Y
Dibenzo(a,h)anthracene																U	20	UG/L	UJ	Y

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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Well/Boring:		1776					1819		
Sample ID:		063205					063885		
Sample Date:		31-JUL-91					16-OCT-91		
Top Depth (ft):		0					6.5		
Bottom Depth (ft):		32.5					7		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ TCLP
4-Chloro-3-methylphenol									
4-Chloroaniline									
4-Chlorophenylphenyl ether									
4-Methylphenol	U	20	UG/L	U	Y				
4-Nitroaniline									
4-Nitrophenol									
Acenaphthene									
Acenaphthylene									
Anthracene									
Benzo(a)anthracene									
Benzo(a)pyrene									
Benzo(b)fluoranthene									
Benzo(g,h,i)perylene									
Benzo(k)fluoranthene									
Benzoic acid									
Benzyl alcohol									
Butyl benzyl phthalate									
Chrysene									
Di-n-butyl phthalate									
Di-n-octyl phthalate									
Dibenzo(a,h)anthracene									

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Well/Boring:	1776				1777				1777				1777			
Sample ID:	063148				063160				063162				063164			
Sample Date:	30-JUL-91				28-JUL-91				28-JUL-91				28-JUL-91			
Top Depth (ft):	6.5				0				6.5				0			
Bottom Depth (ft):	7				6.5				26				26			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Dibenzofuran													U	20	UG/L	UJ Y
Diethyl phthalate													J	4	UG/L	J Y
Dimethyl phthalate													U	20	UG/L	UJ Y
Fluoranthene													U	20	UG/L	UJ Y
Fluorene													U	20	UG/L	UJ Y
Hexachlorobenzene													U	20	UG/L	UJ Y
Hexachlorobutadiene													U	20	UG/L	UJ Y
Hexachlorocyclopentadiene													U	20	UG/L	UJ Y
Hexachloroethane													U	20	UG/L	UJ Y
Indeno(1,2,3-cd)pyrene													U	20	UG/L	UJ Y
Isophorone													U	20	UG/L	UJ Y
N-Nitroso-di-n-propylamine													U	20	UG/L	UJ Y
N-Nitrosodiphenylamine													U	20	UG/L	UJ Y
Naphthalene													U	20	UG/L	UJ Y
Nitrobenzene													U	20	UG/L	UJ Y
Pentachlorophenol													U	100	UG/L	UJ Y
Phenanthrene													U	20	UG/L	UJ Y
Phenol													U	20	UG/L	UJ Y
Pyrene													U	20	UG/L	UJ Y
Pyridine																
Tributyl phosphate																

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:		1776				1819			
Sample ID:		063205				063885			
Sample Date:		31-JUL-91				16-OCT-91			
Top Depth (ft):		0				6.5			
Bottom Depth (ft):		32.5				7			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ TCLP
Dibenzofuran									
Diethyl phthalate									
Dimethyl phthalate									
Fluoranthene									
Fluorene									
Hexachlorobenzene	U	20	UG/L	U	Y				
Hexachlorobutadiene	U	20	UG/L	U	Y				
Hexachlorocyclopentadiene									
Hexachloroethane	U	20	UG/L	U	Y				
Indeno(1,2,3-cd)pyrene									
Isophorone									
N-Nitroso-di-n-propylamine									
N-Nitrosodiphenylamine									
Naphthalene									
Nitrobenzene	U	20	UG/L	U	Y				
Pentachlorophenol	U	100	UG/L	U	Y				
Phenanthrene									
Phenol									
Pyrene									
Pyridine	U	20	UG/L	U	Y				
Tributyl phosphate									

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1777					1777					1777					1778			
Sample ID:		063130					063135					063137					063147			
Sample Date:		27-JUL-91					27-JUL-91					27-JUL-91					30-JUL-91			
Top Depth (ft):		4.5					7					8					6			
Bottom Depth (ft):		5					7.5					8.5					6.5			
bis(2-Chloroethoxy)methane																				
bis(2-Chloroethyl)ether																				
bis(2-Chloroisopropyl) ether																				
bis(2-Ethylhexyl) phthalate																				
1,1,1-Trichloroethane																				
1,1,2,2-Tetrachloroethane																				
1,1,2-Trichloroethane																				
1,1-Dichloroethane																				
1,1-Dichloroethene											U	5	UG/L	UJ	Y					
1,2-Dichloroethane											U	5	UG/L	UJ	Y					
1,2-Dichloroethylene																				
1,2-Dichloropropane																				
2-Butanone											U	10	UG/L	UJ	Y					
2-Hexanone																				
4-Methyl-2-pentanone																				
Acetone																				
Benzene											U	5	UG/L	UJ	Y					
Bromodichloromethane																				
Bromoform																				
Bromomethane																				
Carbon Tetrachloride											U	5	UG/L	UJ	Y					

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1777					1777					1777			
Sample ID:		063148					063160					063162					063164			
Sample Date:		30-JUL-91					28-JUL-91					28-JUL-91					28-JUL-91			
Top Depth (ft):		6.5					0					6.5					0			
Bottom Depth (ft):		7					6.5					26					26			
bis(2-Chloroethoxy)methane											U	20	UG/L	UJ	Y					
bis(2-Chloroethyl)ether											U	20	UG/L	UJ	Y					
bis(2-Chloroisopropyl) ether											U	20	UG/L	UJ	Y					
bis(2-Ethylhexyl) phthalate											U	20	UG/L	UJ	Y					
1,1,1-Trichloroethane																				
1,1,2,2-Tetrachloroethane																				
1,1,2-Trichloroethane																				
1,1-Dichloroethane																				
1,1-Dichloroethene																				
1,2-Dichloroethane																				
1,2-Dichloroethylene																				
1,2-Dichloropropane																				
2-Butanone																				
2-Hexanone																				
4-Methyl-2-pentanone																				
Acetone																				
Benzene																				
Bromodichloromethane																				
Bromoform																				
Bromomethane																				
Carbon Tetrachloride																				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

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Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776				1776				1776				1776			
Sample ID:		063171				063180				063201				063203			
Sample Date:		30-JUL-91				30-JUL-91				31-JUL-91				31-JUL-91			
Top Depth (ft):		18				22.5				6.5				19.5			
Bottom Depth (ft):		18.5				23				19.5				32.5			
bis(2-Chloroethoxy)methane																	
bis(2-Chloroethyl)ether																	
bis(2-Chloroisopropyl) ether																	
bis(2-Ethylhexyl) phthalate																	
1,1,1-Trichloroethane																	
1,1,2,2-Tetrachloroethane																	
1,1,2-Trichloroethane																	
1,1-Dichloroethane																	
1,1-Dichloroethene						40	UG/L	-	Y								
1,2-Dichloroethane					J	4	UG/L	J	Y								
1,2-Dichloroethylene																	
1,2-Dichloropropane																	
2-Butanone					J	3	UG/L	J	Y								
2-Hexanone																	
4-Methyl-2-pentanone																	
Acetone																	
Benzene					U	5	UG/L	U	Y								
Bromodichloromethane																	
Bromoform																	
Bromomethane																	
Carbon Tetrachloride					U	5	UG/L	U	Y								

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1777					1777					1777					1776			
Sample ID:		063130					063135					063137					063147			
Sample Date:		27-JUL-91					27-JUL-91					27-JUL-91					30-JUL-91			
Top Depth (ft):		4.5					7					8					6			
Bottom Depth (ft):		5					7.5					8.5					6.5			
Carbon disulfide																				
Chlorobenzene											J	1	UG/L	J	Y					
Chloroethane																				
Chloroform											U	5	UG/L	UJ	Y					
Chloromethane																				
Dibromochloromethane																				
Ethylbenzene																				
Methylene chloride																				
Styrene																				
Tetrachlorethene											U	5	UG/L	UJ	Y					
Toluene																				
Total xylenes																				
Trichloroethene											U	5	UG/L	UJ	Y					
Vinyl Acetate																				
Vinyl chloride											U	10	UG/L	UJ	Y					
cis-1,3-Dichloropropene																				
trans-1,3-Dichloropropene																				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

1991 RI/FS - Pit BURN_PIT
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		1776					1776					1776					1776			
Sample ID:		063171					063180					063201					063203			
Sample Date:		30-JUL-91					30-JUL-91					31-JUL-91					31-JUL-91			
Top Depth (ft):		18					22.5					6.5					19.5			
Bottom Depth (ft):		18.5					23					19.5					32.5			
Carbon disulfide																				
Chlorobenzene						U	5	UG/L	U	Y										
Chloroethane																				
Chloroform						U	5	UG/L	U	Y										
Chloromethane																				
Dibromochloromethane																				
Ethylbenzene																				
Methylene chloride																				
Styrene																				
Tetrachlorethene						U	5	UG/L	U	Y										
Toluene																				
Total xylenes																				
Trichloroethene						J	2	UG/L	J	Y										
Vinyl Acetate																				
Vinyl chloride						J	4	UG/L	J	Y										
cis-1,3-Dichloropropene																				
trans-1,3-Dichloropropene																				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
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A.7.1.6

PIT 1
BURN PIT
EXTRACTION PROCEDURE TOXICITY RESULTS

Characterization Investigation Study - Pit 7
Extraction Procedure Toxicity Data

Well/Boring:	07-01			07-02			07-03			07-04		
Chemical Parameters Sample ID:	PS-07-001			PS-07-003			PS-07-026			PS-07-033		
Sample Date:	4/27/87			4/27/87			4/28/87			5/5/87		
Top Depth (ft):	0			0			0			0		
Bottom Depth (ft):	10			12			18			16		
	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		> 800	DEG F		> 800	DEG F		> 800	DEG F		> 800	DEG F
CORROSIVITY		11.9	PHU		10.2	PHU		9.70	PHU		7.90	PHU
REACTIVITY (SULFIDE)	U	0.34	MG/KG	U	0.32	MG/KG	U	0.3	MG/KG	U	0.3	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE		4290	UG/L		2500	UG/L		2590	UG/L		1250	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE	U	0.2	UG/L		0.26	UG/L	U	0.2	UG/L	U	0.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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Characterization Investigation Study - Pit 7
Extraction Procedure Toxicity Data

Chemical Parameters									
Well/Boring:	07-05			07-05			07-06		
Sample ID:	PS-07-048			PS-07-049			PS-07-051		
Sample Date:	5/6/87			5/6/87			5/6/87		
Top Depth (ft):	0			0			0		
Bottom Depth (ft):	12			12			16		
	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		>800	DEG F		>800	DEG F		>800	DEG F
CORROSIVITY		7.7	PHU		7.8	PHU		7.8	PHU
REACTIVITY (SULFIDE)	U	0.37	MG/KG	U	0.32	MG/KG	U	0.33	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE		2030	UG/L		2050	UG/L		2080	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE		0.21	UG/L		0.32	UG/L	U	0.2	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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A.7.2

BURN PIT
PIT LEACHATE

A.7.2.1

BURN PIT
PIT LEACHATE
RADIOLOGICAL RESULTS

1991 RI/FS - Pit BURN_PIT
Pit Leachate Radiological Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1776					1777			
Sample ID:		063940					063943			
Sample Date:		14-NOV-91					15-NOV-91			
Top Depth (ft):		N/A					N/A			
Bottom Depth (ft):		N/A					N/A			
CESIUM-137	U	20	PCI/L	UJ		U	20	PCI/L	U	
GROSS ALPHA		293	PCI/L	NV			3408	PCI/L	NV	
GROSS BETA		566	PCI/L	NV			1582	PCI/L	NV	
NEPTUNIUM-237										
PLUTONIUM-238						U	1	PCI/L	U	
PLUTONIUM-239/240						U	1	PCI/L	U	
RADIUM-226							72.5	PCI/L	J	
RADIUM-228						U	3	PCI/L	R	
RUTHENIUM-106	U	150	PCI/L	UJ		U	150	PCI/L	U	
STRONTIUM-90	U	5	PCI/L	U		U	5	PCI/L	U	
TECHNETIUM-99	U	30	PCI/L	UJ		U	30	PCI/L	U	
THORIUM-228										
THORIUM-230										
THORIUM-232										
THORIUM-TOTAL										
URANIUM-234		7.67	PCI/L	J			900	PCI/L	-	
URANIUM-235/236		1.43	PCI/L	J			65.1	PCI/L	-	
URANIUM-238		8.15	PCI/L	J			984	PCI/L	-	
URANIUM-TOTAL	U	1	UG/L	U			2870	UG/L	K	
CESIUM-137	U	20	PCI/L	UJ	Y	U	20	PCI/L	U	Y
GROSS ALPHA		293	PCI/L	NV	Y		3408	PCI/L	NV	Y

LQ = Laboratory Qualifier (See list at front of Appendices)
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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
FLTD = Filtered (in the field or the laboratory)
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J = Estimated
- = Detected
NV = Not Validated
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1991 RI/FS - Pit BURN_PIT
Pit Leachate Radiological Results

Well/Boring:	1776					1777			
Sample ID:	063940					063943			
Sample Date:	14-NOV-91					15-NOV-91			
Top Depth (ft):	N/A					N/A			
Bottom Depth (ft):	N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
GROSS BETA		566	PCI/L	NV	Y		1582	PCI/L	NV	Y
PLUTONIUM-238						U	1	PCI/L	U	Y
PLUTONIUM-239/240						U	1	PCI/L	U	Y
RADIUM-226							72.5	PCI/L	J	Y
RADIUM-228						U	3	PCI/L	R	Y
RUTHENIUM-106	U	150	PCI/L	UJ	Y	U	150	PCI/L	U	Y
STRONTIUM-90	U	5	PCI/L	U	Y	U	5	PCI/L	U	Y
TECHNETIUM-99	U	30	PCI/L	UJ	Y	U	30	PCI/L	U	Y
URANIUM-234		7.67	PCI/L	J	Y		900	PCI/L	-	Y
URANIUM-235/236		1.43	PCI/L	J	Y		65.1	PCI/L	-	Y
URANIUM-238		8.15	PCI/L	J	Y		984	PCI/L	-	Y
URANIUM-TOTAL	U	1	UG/L	U	Y		2870	UG/L	K	Y

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
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VQ = Validated Qualifier (See list at front of Appendices)
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A.7.2.2

BURN PIT
PIT LEACHATE
INORGANIC RESULTS

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1776					1777			
Sample ID:		063940					063943			
Sample Date:		14-NOV-91					15-NOV-91			
Top Depth (ft):		N/A					N/A			
Bottom Depth (ft):		N/A					N/A			
Alkalinity as CaCO3		3300	MG/L	-			532	MG/L	-	
Ammonia		798	MG/L	-			80.7	MG/L	-	
Bromide						U	1	MG/L	U	
Chloride	U	.5	MG/L	U			1102	MG/L	-	
Cyanide	B*	3.6	UG/L	-		U*	2	UG/L	UJ	
Fluoride							19.3	MG/L	-	
Nitrate		5.67	MG/L	-		U	.4	MG/L	U	
Oxidation-Reduction Potential										
Oxidation-Reduction Potential	U	0	MV	U			137.7	MV	-	
Phosphate						U	1	MG/L	U	
Phosphorus		.19	MG/L	-						
Sulfate	U	2	MG/L	U			160.2	MG/L	-	
Sulfide		1.48	MG/L	-		U	.5	MG/L	U	
Total Organic Carbon		243	MG/L	-			15.1	MG/L	-	
Total Organic Nitrogen										
pH		12.16	S.U.	-			9.29	S.U.	-	
Aluminum	EN	649	UG/L	J		EN	8510	UG/L	J	
Antimony		95.6	UG/L	J			103	UG/L	-	
Arsenic	S	49.4	UG/L	-			41.1	UG/L	-	
Barium	E	2400	UG/L	J		BE	148	UG/L	J	
Beryllium	B	3.7	UG/L	-		B	2	UG/L	-	

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
FLTD = Filtered (in the field or the laboratory)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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1991 RI/FS - Pit BURN_PIT
Pit Leachate Inorganic Results

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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Boron	EN	369	UG/L	J	EN	2120	UG/L	J
Cadmium	UN	10	UG/L	U	N	19.9	UG/L	J
Calcium		2540000	UG/L	-		91600	UG/L	-
Chromium		129	UG/L	J		66.9	UG/L	-
Cobalt	BN	19.1	UG/L	J	BN	37.7	UG/L	J
Copper	EN	44.7	UG/L	J	EN	118	UG/L	J
Iron	E	189	UG/L	J	E	8510	UG/L	J
Lead		10	UG/L	-		98.1	UG/L	-
Magnesium	B	782	UG/L	-		139000	UG/L	-
Manganese		25	UG/L	J		2960	UG/L	-
Mercury	U	.2	UG/L	UJ		.32	UG/L	J
Molybdenum	EN	289	UG/L	J	EN	1050	UG/L	J
Nickel	N	299	UG/L	J	N	124	UG/L	J
Potassium		445000	UG/L	-		224000	UG/L	-
Selenium	UW	2	UG/L	UJ	B	3.8	UG/L	-
Silicon	E	1350	UG/L	J	E	19800	UG/L	J
Silver	N	107	UG/L	J	N	32.1	UG/L	J
Sodium	U	100	UG/L	U		699000	UG/L	-
Thallium	UWN	2	UG/L	U	UWN	2	UG/L	UJ
Tin	U	200	UG/L	U	U	200	UG/L	U
Vanadium	EN	74.3	UG/L	J	EN	67.7	UG/L	J

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
FLTD = Filtered (in the field or the laboratory)
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J = Estimated
- = Detected
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Well/Boring:	1776					1777			
Sample ID:	063940					063943			
Sample Date:	14-NOV-91					15-NOV-91			
Top Depth (ft):	N/A					N/A			
Bottom Depth (ft):	N/A					N/A			
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Zinc	B	15.6	UG/L	-			253	UG/L	-	
Aluminum	EN	649	UG/L	J	Y	EN	8510	UG/L	J	Y
Antimony		95.6	UG/L	J	Y		103	UG/L	-	Y
Arsenic	S	49.4	UG/L	-	Y		41.1	UG/L	-	Y
Barium	E	2400	UG/L	J	Y	BE	148	UG/L	J	Y
Beryllium	B	3.7	UG/L	-	Y	B	2	UG/L	-	Y
Boron	EN	369	UG/L	J	Y	EN	2120	UG/L	J	Y
Cadmium	UN	10	UG/L	U	Y	N	19.9	UG/L	J	Y
Calcium		2540000	UG/L	-	Y		91600	UG/L	-	Y
Chromium		129	UG/L	J	Y		66.9	UG/L	-	Y
Cobalt	BN	19.1	UG/L	J	Y	BN	37.7	UG/L	J	Y
Copper	EN	44.7	UG/L	J	Y	EN	118	UG/L	J	Y
Iron	E	189	UG/L	J	Y	E	8510	UG/L	J	Y
Lead		10	UG/L	-	Y		98.1	UG/L	-	Y
Magnesium	B	782	UG/L	-	Y		139000	UG/L	-	Y
Manganese		25	UG/L	J	Y		2960	UG/L	-	Y
Mercury	U	.2	UG/L	UJ	Y		.32	UG/L	J	Y
Molybdenum	EN	289	UG/L	J	Y	EN	1050	UG/L	J	Y
Nickel	N	299	UG/L	J	Y	N	124	UG/L	J	Y
Potassium		445000	UG/L	-	Y		224000	UG/L	-	Y
Selenium	UW	2	UG/L	UJ	Y	B	3.8	UG/L	-	Y

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See Introduction to Appendices for additional explanation.

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Well/Boring:	1776					1777				
Sample ID:	063940					063943				
Sample Date:	14-NOV-91					15-NOV-91				
Top Depth (ft):	N/A					N/A				
Bottom Depth (ft):	N/A					N/A				
Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Silicon	E	1350	UG/L	J	Y	E	19800	UG/L	J	Y
Silver	N	107	UG/L	J	Y	N	32.1	UG/L	J	Y
Sodium	U	100	UG/L	U	Y		699000	UG/L	-	Y
Thallium	UWN	2	UG/L	U	Y	UWN	2	UG/L	UJ	Y
Tin	U	200	UG/L	U	Y	U	200	UG/L	U	Y
Vanadium	EN	74.3	UG/L	J	Y	EN	67.7	UG/L	J	Y
Zinc	B	15.6	UG/L	-	Y		253	UG/L	-	Y

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
FLTD = Filtered (in the field or the laboratory)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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A.7.2.3

BURN PIT
PIT LEACHATE
ORGANIC RESULTS

Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
1,2,3,4,6,7,8-HpCDD						3.3	NG/L	J
1,2,3,4,6,7,8-HpCDF					U	.26	NG/L	U
1,2,3,4,7,8,9-Heptachlorodiben					U	.37	NG/L	U
1,2,3,4,7,8-Hexachlorodibenzo-					U	.86	NG/L	U
1,2,3,4,7,8-Hexachlorodibenzof					U	.69	NG/L	U
1,2,3,6,7,8-Hexachlorodibenzo-					U	.68	NG/L	U
1,2,3,6,7,8-Hexachlorodibenzof					U	.61	NG/L	U
1,2,3,7,8,9-Hexachlorodibenzo-					U	.71	NG/L	U
1,2,3,7,8,9-Hexachlorodibenzof					U	.8	NG/L	U
1,2,3,7,8-Pentachlorodibenzo-p					U	1.2	NG/L	UJ
1,2,3,7,8-Pentachlorodibenzofu					U	.43	NG/L	U
2,3,4,6,7,8-Hexachlorodibenzof					U	.72	NG/L	U
2,3,4,7,8-Pentachlorodibenzofu					U	.47	NG/L	U
2,3,7,8-TCDD					U	.89	NG/L	U
2,3,7,8-TCDF					U	.66	NG/L	U
Heptachlorodibenzo-p-dioxin					U	.72	NG/L	U
Heptachlorodibenzofuran					U	.31	NG/L	U
Hexachlorodibenzo-p-dioxin					U	.74	NG/L	U
Hexachlorodibenzofuran					U	.7	NG/L	U
Octachlorodibenzo-p-dioxin					U	1.8	NG/L	U
Octachlorodibenzofuran					U	1.1	NG/L	U

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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Pentachlorodibenzo-p-dioxin					U	1.3	NG/L	UJ
Pentachlorodibenzofuran					U	.45	NG/L	U
Tetrachlorodibenzo-p-dioxin					U	1.2	NG/L	U
Tetrachlorodibenzofuran					U	.51	NG/L	UJ
2,4,5-T	U	2	UG/L	U	U	2	UG/L	U
2,4,5-TP (Silvex)	U	1.8	UG/L	U	U	1.8	UG/L	U
2,4-D	U	10	UG/L	U	U	10	UG/L	U
Dinoseb	U	.71	UG/L	UJ	U	.7	UG/L	UJ
Sulfotepp	U	10	UG/L	U	U	40	UG/L	U
Dimethoate								
Disulfoton								
Famphur								
Parathion, ethyl								
Parathion, methyl								
Tetraethylpyrophosphate								
Thionazin								
4,4-DDD	U	2	UG/L	U	U	.1	UG/L	U
4,4-DDE	U	2	UG/L	U	U	.1	UG/L	U
4,4-DDT	U	2	UG/L	U	U	.1	UG/L	U
Aldrin	U	1	UG/L	U	U	.05	UG/L	U
Aroclor-1016	U	10	UG/L	U	U	.5	UG/L	U

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VQ = Validated Qualifier (See list at front of Appendices)
FLTD = Filtered (in the field or the laboratory)
U = Undetected
J = Estimated
- = Detected
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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Aroclor-1221	U	10	UG/L	U	U	.5	UG/L	U
Aroclor-1232	U	10	UG/L	U	U	.5	UG/L	U
Aroclor-1242	U	10	UG/L	U	U	.5	UG/L	U
Aroclor-1248	U	10	UG/L	U	U	.5	UG/L	U
Aroclor-1254	U	20	UG/L	U	U	1	UG/L	U
Aroclor-1260	U	20	UG/L	U	U	1	UG/L	U
Dieldrin	U	2	UG/L	U	U	.1	UG/L	U
Endosulfan II	U	2	UG/L	U	U	.1	UG/L	U
Endosulfan sulfate	U	2	UG/L	U	U	.1	UG/L	U
Endosulfan-I	U	1	UG/L	U	U	.05	UG/L	U
Endrin	U	2	UG/L	U	U	.1	UG/L	U
Endrin ketone	U	2	UG/L	U	U	.1	UG/L	U
Heptachlor	U	1	UG/L	U	U	.05	UG/L	U
Heptachlor epoxide	U	1	UG/L	U	U	.05	UG/L	U
Isodrin	U	1	UG/L	U	U	.05	UG/L	U
Kepone	U	2	UG/L	U	U	.1	UG/L	U
Methoxychlor	U	10	UG/L	U	U	.5	UG/L	U
Toxaphene	U	20	UG/L	U	U	1	UG/L	U
alpha-BHC	U	1	UG/L	U	U	.05	UG/L	U
alpha-Chlordane	U	10	UG/L	U	U	.5	UG/L	U
beta-BHC	U	1	UG/L	U	U	.05	UG/L	U

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- - Detected
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See Introduction to Appendices for additional explanation.

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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
delta-BHC	U	1	UG/L	U	U	.05	UG/L	U
gamma-BHC (Lindane)	U	1	UG/L	U	U	.05	UG/L	U
gamma-Chlordane	U	10	UG/L	U	U	.5	UG/L	U
1,2,4,5-Tetrachlorobenzene	U	10	UG/L	U	U	40	UG/L	U
1,2,4-Trichlorobenzene	U	10	UG/L	U	U	40	UG/L	U
1,2-Dichlorobenzene	U	10	UG/L	U	U	40	UG/L	U
1,3,5-Trinitrobenzene	U	10	UG/L	U	U	40	UG/L	UJ
1,3-Dichlorobenzene	U	10	UG/L	U	U	40	UG/L	U
1,3-Dinitrobenzene	U	10	UG/L	U	U	40	UG/L	U
1,4-Dichlorobenzene	U	10	UG/L	U	U	40	UG/L	U
1,4-Naphthoquinone	U	10	UG/L	U	U	40	UG/L	UJ
1-Naphthylamine	U	120	UG/L	U	U	480	UG/L	U
2,3,4,6-Tetrachlorophenol	U	10	UG/L	UJ	U	40	UG/L	U
2,4,5-Trichlorophenol	U	50	UG/L	U	U	200	UG/L	U
2,4,6-Trichlorophenol	U	10	UG/L	U	U	40	UG/L	U
2,4-Dichlorophenol	U	10	UG/L	U	U	40	UG/L	U
2,4-Dimethylphenol		45	UG/L	-	U	40	UG/L	U
2,4-Dinitrophenol	U	50	UG/L	UJ	U	200	UG/L	U
2,4-Dinitrotoluene	U	10	UG/L	U	U	40	UG/L	U
2,6-Dichlorophenol	U	10	UG/L	UJ	U	40	UG/L	UJ
2,6-Dinitrotoluene	U	10	UG/L	U	U	40	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
2-Acetylaminofluorene	U	10	UG/L	U	U	40	UG/L	U
2-Chloronaphthalene	U	10	UG/L	U	U	40	UG/L	U
2-Chlorophenol	U	10	UG/L	U	U	40	UG/L	U
2-Methylnaphthalene		16	UG/L	-	U	40	UG/L	U
2-Methylphenol	U	10	UG/L	U	U	40	UG/L	U
2-Naphthylamine	U	170	UG/L	U	U	680	UG/L	U
2-Nitroaniline	U	50	UG/L	U	U	200	UG/L	U
2-Nitrophenol	U	10	UG/L	U	U	40	UG/L	U
2-Picoline	J	51	UG/L	J	U	280	UG/L	U
3,3'-Dichlorobenzidine	U	20	UG/L	UJ	U	80	UG/L	U
3,3'-Dimethylbenzidine	U	80	UG/L	U	U	320	UG/L	U
3-Methylcholanthrene	U	30	UG/L	U	U	120	UG/L	U
3-Methylphenol	U	10	UG/L	U	U	40	UG/L	U
3-Nitroaniline	U	50	UG/L	UJ	U	200	UG/L	U
4,6-Dinitro-2-methylphenol	U	50	UG/L	U	U	200	UG/L	U
4-Aminobiphenyl	U	50	UG/L	U	U	200	UG/L	U
4-Bromophenyl phenyl ether	U	10	UG/L	U	U	40	UG/L	U
4-Chloro-3-methylphenol	U	10	UG/L	U	U	40	UG/L	U
4-Chloroaniline	U	10	UG/L	U	U	40	UG/L	U
4-Chlorophenylphenyl ether	U	10	UG/L	U	U	40	UG/L	U
4-Methylphenol		140	UG/L	-	U	40	UG/L	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
4-Nitroaniline	U	50	UG/L	UJ	U	200	UG/L	U
4-Nitrophenol	U	50	UG/L	UJ	U	200	UG/L	U
4-Nitroquinoline-1-oxide	U	10	UG/L	R	U	40	UG/L	R
5-Nitro-o-toluidine	U	20	UG/L	U	U	80	UG/L	U
7,12-Dimethylbenz(a)anthracene	U	20	UG/L	U	U	80	UG/L	U
Acenaphthene	U	10	UG/L	U	U	40	UG/L	U
Acenaphthylene	U	10	UG/L	U	U	40	UG/L	U
Acetophenone	J	4	UG/L	J	U	40	UG/L	U
Aniline	U	50	UG/L	U	U	200	UG/L	U
Anthracene	U	10	UG/L	U	U	40	UG/L	U
Aramite	U	10	UG/L	U	U	40	UG/L	UJ
Benzidine								
Benzo(a)anthracene	U	10	UG/L	U	U	40	UG/L	U
Benzo(a)pyrene	U	10	UG/L	U	U	40	UG/L	U
Benzo(b)fluoranthene	U	10	UG/L	U	U	40	UG/L	U
Benzo(g,h,i)perylene	U	10	UG/L	U	U	40	UG/L	U
Benzo(k)fluoranthene	U	10	UG/L	U	U	40	UG/L	U
Benzoic acid	U	50	UG/L	UJ	U	200	UG/L	UJ
Benzyl alcohol	U	10	UG/L	UJ	U	40	UG/L	U
Butyl benzyl phthalate	U	10	UG/L	U	U	40	UG/L	U
Carbazole	U	10	UG/L	U				

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FEMP OU1RI-5 USEPA

-5129

Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Chlorobenzilate	U	2	UG/L	U	U	.1	UG/L	U
Chrysene	U	10	UG/L	U	U	40	UG/L	U
Di-n-butyl phthalate	U	10	UG/L	U	U	40	UG/L	U
Di-n-octyl phthalate	U	10	UG/L	U	U	40	UG/L	U
Diallate	U	10	UG/L	UJ	U	40	UG/L	R
Dibenzo(a,h)anthracene	U	10	UG/L	U	U	40	UG/L	U
Dibenzofuran	U	10	UG/L	U	U	40	UG/L	U
Diethyl phthalate	U	10	UG/L	U	U	40	UG/L	U
Dimethyl phthalate	U	10	UG/L	U	U	40	UG/L	U
Dinoseb	U	.71	UG/L	UJ	U	.7	UG/L	UJ
Diphenylamine	U	10	UG/L	U	U	40	UG/L	U
Ethyl methanesulfonate	U	10	UG/L	U	U	40	UG/L	U
Fluoranthene	U	10	UG/L	U	U	40	UG/L	U
Fluorene	U	10	UG/L	U	U	40	UG/L	U
Hexachlorobenzene	U	10	UG/L	U	U	40	UG/L	U
Hexachlorobutadiene	U	10	UG/L	U	U	40	UG/L	U
Hexachlorocyclopentadiene	U	10	UG/L	UJ	U	40	UG/L	U
Hexachloroethane	U	10	UG/L	U	U	40	UG/L	U
Hexachlorophene	U	50	UG/L	R	U	200	UG/L	UJ
Hexachloropropene	U	20	UG/L	R	U	80	UG/L	UJ
Indeno(1,2,3-cd)pyrene	U	10	UG/L	U	U	40	UG/L	U

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Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1776					1777			
Sample ID:		063940					063943			
Sample Date:		14-NOV-91					15-NOV-91			
Top Depth (ft):		N/A					N/A			
Bottom Depth (ft):		N/A					N/A			
Isophorone	U	10	UG/L	U		U	40	UG/L	U	
Isosafrole	U	10	UG/L	U		U	40	UG/L	U	
Methapyrilene	U	40	UG/L	UJ		U	160	UG/L	UJ	
Methyl methanesulfonate	U	10	UG/L	U		U	40	UG/L	UJ	
N-Nitroso-di-n-propylamine	U	10	UG/L	U		U	40	UG/L	UJ	
N-Nitrosodi-n-butylamine	U	20	UG/L	U		U	80	UG/L	R	
N-Nitrosodiethylamine	U	10	UG/L	U		U	40	UG/L	UJ	
N-Nitrosodimethylamine	U	10	UG/L	U		U	40	UG/L	U	
N-Nitrosodiphenylamine	U	10	UG/L	U		U	40	UG/L	U	
N-Nitrosomethylethylamine	U	10	UG/L	U		U	40	UG/L	U	
N-Nitrosomorpholine	U	10	UG/L	U		U	40	UG/L	UJ	
N-Nitrosopiperidine	U	10	UG/L	U		U	40	UG/L	UJ	
N-Nitrosopyrrolidine	U	10	UG/L	UJ		U	40	UG/L	UJ	
Naphthalene		12	UG/L	-		U	40	UG/L	U	
Nitrobenzene	U	10	UG/L	U		U	40	UG/L	U	
O,O,O-Triethylphosphorothioate	U	10	UG/L	U		U	40	UG/L	UJ	
Pentachlorobenzene	U	20	UG/L	U		U	80	UG/L	U	
Pentachloroethane	U	20	UG/L	U		U	80	UG/L	U	
Pentachloronitrobenzene	U	20	UG/L	U		U	80	UG/L	U	
Pentachlorophenol	U	50	UG/L	U		U	200	UG/L	U	
Phenacetin	U	10	UG/L	U		U	40	UG/L	U	

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Phenanthrene	U	10	UG/L	U	U	40	UG/L	U
Phenol		150	UG/L	-	U	40	UG/L	U
Phorate								
Pronamide	U	30	UG/L	U	U	120	UG/L	U
Pyrene	U	10	UG/L	U	U	40	UG/L	U
Pyridine	U	10	UG/L	R	U	40	UG/L	U
Safrole	U	10	UG/L	U	U	40	UG/L	UJ
Sulfotepp	U	10	UG/L	U	U	40	UG/L	U
Tributyl phosphate		89	UG/L	-		130	UG/L	-
Triethylphosphorothioate								
a,a-Dimethylphenethylamine	U	10	UG/L	R	U	40	UG/L	UJ
bis(2-Chloroethoxy)methane	U	10	UG/L	U	U	40	UG/L	U
bis(2-Chloroethyl)ether	U	10	UG/L	U	U	40	UG/L	U
bis(2-Chloroisopropyl) ether	U	10	UG/L	U	U	40	UG/L	U
bis(2-Ethylhexyl) phthalate	U	10	UG/L	U	U	40	UG/L	U
o-Toluidine	U	10	UG/L	U	U	40	UG/L	U
p-Dimethylaminoazobenzene	U	30	UG/L	U	U	120	UG/L	UJ
p-Phenylenediamine	U	50	UG/L	UJ	U	200	UG/L	UJ
1,1,1,2-Tetrachloroethane	U	10	UG/L	U	U	10	UG/L	U
1,1,1-Trichloroethane	D	840000	UG/L	-		37	UG/L	-
1,1,2,2-Tetrachloroethane	U	5	UG/L	U	U	5	UG/L	U

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1991 RI/FS - Pit BURN_PIT
Pit Leachate Organic Results

Parameters	LQ	Result	Unit	VQ	FLTD	LQ	Result	Unit	VQ	FLTD
Well/Boring:		1776					1777			
Sample ID:		063940					063943			
Sample Date:		14-NOV-91					15-NOV-91			
Top Depth (ft):		N/A					N/A			
Bottom Depth (ft):		N/A					N/A			
1,1,2-Trichloroethane	U	5	UG/L	U		J	1	UG/L	J	
1,1-Dichloroethane	D	500000	UG/L	-		D	640	UG/L	-	
1,1-Dichloroethene	D	8600	UG/L	-		J	3	UG/L	J	
1,2,3-Trichloropropane	U	10	UG/L	U		U	10	UG/L	U	
1,2-Dibromo-3-chloropropane	U	10	UG/L	U		U	10	UG/L	U	
1,2-Dibromoethane	U	10	UG/L	U		U	10	UG/L	U	
1,2-Dichloroethane	D	1100	UG/L	-			16	UG/L	-	
1,2-Dichloroethylene	U	5	UG/L	U		J	1	UG/L	J	
1,2-Dichloropropane	U	5	UG/L	U		U	5	UG/L	U	
1,4-Dioxane	U	200	UG/L	R			1000	UG/L	J	
2-Butanone	D	3500	UG/L	-		J	4	UG/L	J	
2-Chloro-1,3-butadiene	U	10	UG/L	U		U	10	UG/L	U	
2-Hexanone		89	UG/L	-		U	10	UG/L	U	
3-Chloropropene		43	UG/L	J		U	10	UG/L	UJ	
4-Methyl-2-pentanone	DJ	130	UG/L	J		U	6	UG/L	U	
Acetone	BD	3800	UG/L	J		B	28	UG/L	UJ	
Acetonitrile	U	20	UG/L	UJ			130	UG/L	J	
Acrolein		80	UG/L	J		U	20	UG/L	UJ	
Acrylonitrile		64000	UG/L	R		U	20	UG/L	R	
Benzene		55	UG/L	-		J	1	UG/L	J	
Bromodichloromethane	U	5	UG/L	UJ		U	5	UG/L	UJ	

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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Bromoform	U	5	UG/L	U	J	5	UG/L	J
Bromomethane	U	10	UG/L	UJ	U	10	UG/L	U
Carbon Tetrachloride	U	5	UG/L	U	U	5	UG/L	U
Carbon disulfide	U	5	UG/L	U	U	5	UG/L	U
Chlorobenzene	U	5	UG/L	U	U	5	UG/L	U
Chloroethane	D	1700	UG/L	-	J	7	UG/L	U
Chloroform	B	100	UG/L	-	U	5	UG/L	U
Chloromethane	U	10	UG/L	UJ	U	10	UG/L	U
Dibromochloromethane	U	5	UG/L	U	U	5	UG/L	U
Dibromomethane	U	10	UG/L	U	U	10	UG/L	U
Dichlorodifluoromethane	U	200	UG/L	R	U	200	UG/L	R
Ethyl cyanide		5600	UG/L	J	J	8	UG/L	J
Ethyl methacrylate	U	10	UG/L	U	U	10	UG/L	U
Ethylbenzene		22	UG/L	-	J	4	UG/L	J
Iodomethane	U	10	UG/L	U	U	10	UG/L	U
Isobutyl alcohol		2100	UG/L	J	U	200	UG/L	U
Methacrylonitrile	U	10	UG/L	UJ	U	10	UG/L	U
Methyl methacrylate		11	UG/L	-	U	10	UG/L	U
Methylene chloride		200	UG/L	-	J	5	UG/L	U
Styrene	U	5	UG/L	U	U	5	UG/L	U
Tetrachlorethene	J	2	UG/L	J	U	5	UG/L	U

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Well/Boring:	1776				1777			
Sample ID:	063940				063943			
Sample Date:	14-NOV-91				15-NOV-91			
Top Depth (ft):	N/A				N/A			
Bottom Depth (ft):	N/A				N/A			
Parameters	LQ	Result	Unit	VQ FLTD	LQ	Result	Unit	VQ FLTD
Toluene	DJ	180	UG/L	J	J	3	UG/L	J
Total xylenes		130	UG/L	-		16	UG/L	-
Trichloroethene		120	UG/L	-	U	5	UG/L	U
Trichlorofluoromethane	U	10	UG/L	UJ	U	10	UG/L	U
Vinyl Acetate	U	10	UG/L	UJ	U	10	UG/L	UJ
Vinyl chloride	U	1000	UG/L	U		14	UG/L	U
cis-1,3-Dichloropropene	J	1	UG/L	J	U	5	UG/L	U
trans-1,3-Dichloropropene	U	500	UG/L	U	U	5	UG/L	U
trans-1,4-Dichloro-2-butene		81	UG/L	J	U	10	UG/L	UJ

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A.8

CLEARWELL

A.8.1

CLEARWELL PIT MATERIAL

A.8.1.1

CLEARWELL
PIT MATERIAL
RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit CLEARWELL
Pit Material Radiological Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		NA				NA				NA				NA		
Sample ID:		PS-08-001				PS-08-003				PS-08-005				PS-08-008		
Sample Date:		4/22/87				4/23/87				4/23/87				4/23/87		
Top Depth (ft):		11.0				11.0				11.0				11.0		
Bottom Depth (ft):		13.0				13.0				13.0				13.0		
CESIUM-137		140	PCI/G	-		18	PCI/G	-		450	PCI/G	-		150	PCI/G	-
NEPTUNIUM-237		1.1	PCI/G	-	<	0.3	PCI/G	U		0.7	PCI/G	-		2.2	PCI/G	-
PLUTONIUM-238	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
PLUTONIUM-239/240	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ	<	0.1	PCI/G	UJ
RADIUM-226			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RADIUM-228			PCI/G	NV			PCI/G	NV			PCI/G	NV			PCI/G	NV
RUTHENIUM-106	<	12	PCI/G	UJ	<	3.0	PCI/G	UJ	<	24	PCI/G	UJ	<	13	PCI/G	UJ
STRONTIUM-90		2.8	PCI/G	-		1.3	PCI/G	-		26	PCI/G	-		3.8	PCI/G	-
TECHNETIUM-99		278	PCI/G	-		117	PCI/G	-	<	0.4	PCI/G	UJ	<	0.4	PCI/G	UJ
THORIUM-228		56	PCI/G	-		20	PCI/G	-		30	PCI/G	J		41	PCI/G	-
THORIUM-230		578	PCI/G	-		430	PCI/G	-		5600	PCI/G	J		105	PCI/G	-
THORIUM-232		20	PCI/G	-		15	PCI/G	-		39	PCI/G	J		2.8	PCI/G	-
URANIUM-234		242	PCI/G	-		242	PCI/G	-		376	PCI/G	-		299	PCI/G	-
URANIUM-235		28	PCI/G	-		24	PCI/G	-		39	PCI/G	-		49	PCI/G	-
URANIUM-238		634	PCI/G	-		634	PCI/G	-		548	PCI/G	-		670	PCI/G	-

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Radiological Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP		
CESIUM-137		48	PCI/G	J	40	PCI/G	J	9.16	PCI/G	J	66.7	PCI/G	J		
GROSS ALPHA		739	PCI/G	J	533	PCI/G	J	258	PCI/G	J	200	PCI/G	J		
GROSS BETA		572	PCI/G	J	409	PCI/G	J	229	PCI/G	J	1830	PCI/G	J		
NEPTUNIUM-237		1.2	PCI/G	J	1.8	PCI/G	J	0.06	PCI/G	UJ	1.2	PCI/G	J		
PLUTONIUM-238		0.23	PCI/G	J	0.17	PCI/G	J	0.18	PCI/G	J	0.49	PCI/G	J		
PLUTONIUM-239/240		0.38	PCI/G	J	0.15	PCI/G	J	0.07	PCI/G	UJ	0.37	PCI/G	J		
POTASSIUM-40															
RADIUM-226		76	PCI/G	J	64	PCI/G	J	10.0	PCI/G	J	78	PCI/G	J		
RADIUM-228		25	PCI/G	J	14.1	PCI/G	J	6.59	PCI/G	J	26.4	PCI/G	J		
RUTHENIUM-106		2.47	PCI/G	UJ	1.76	PCI/G	UJ	1.42	PCI/G	UJ	3.07	PCI/G	UJ		
STRONTIUM-90		1.53	PCI/G	UJ	1.72	PCI/G	UJ	1.74	PCI/G	UJ	3.04	PCI/G	J		
TECHNETIUM-99		212	PCI/G	J	695	PCI/G	J	112	PCI/G	J	393	PCI/G	J		
THORIUM-228		28.1	PCI/G	J	17.7	PCI/G	J	6.05	PCI/G	J	26.3	PCI/G	J		
THORIUM-230		78.6	PCI/G	J	79.5	PCI/G	J	70	PCI/G	J	314	PCI/G	J		
THORIUM-232		4.24	PCI/G	J	2.72	PCI/G	J	3.69	PCI/G	J	9.69	PCI/G	J		
THORIUM-TOTAL		38.9	UG/G	J	25	UG/G	J	33.9	UG/G	J	88.9	UG/G	J		
URANIUM-234		192	PCI/G	J	71.1	PCI/G	J	47.2	PCI/G	J	738	PCI/G	J		
URANIUM-235/236		11.4	PCI/G	J	4.61	PCI/G	J	2.54	PCI/G	J	373	PCI/G	J		
URANIUM-238		357	PCI/G	J	176	PCI/G	J	137	PCI/G	J	1640	PCI/G	J		
URANIUM-TOTAL		407	UG/G	J	213	UG/G	J	237	UG/G	J	2780	UG/G	J		

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TCLP = Toxicity Characteristic Leaching Procedure
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Well/Boring:	CW-E				CW-F		
Sample ID:	098530				098531		
Sample Date:	09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0		
Bottom Depth (ft):	13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
CESIUM-137		71.41	PCI/G	J	18.1	PCI/G	J
GROSS ALPHA		1700	PCI/G	J	2050	PCI/G	J
GROSS BETA		1300	PCI/G	J	1330	PCI/G	J
NEPTUNIUM-237		1.8	PCI/G	J	0.88	PCI/G	UJ
PLUTONIUM-238		0.37	PCI/G	J	0.08	PCI/G	UJ
PLUTONIUM-239/240		0.54	PCI/G	J	0.20	PCI/G	J
POTASSIUM-40							
RADIUM-226		170	PCI/G	J	43	PCI/G	J
RADIUM-228		21.4	PCI/G	J	12.7	PCI/G	J
RUTHENIUM-106		2.3	PCI/G	UJ	2.41	PCI/G	UJ
STRONTIUM-90		2.3	PCI/G	UJ	12.8	PCI/G	J
TECHNETIUM-99		419	PCI/G	J	314	PCI/G	J
THORIUM-228		25.7	PCI/G	J	14.5	PCI/G	J
THORIUM-230		249	PCI/G	J	63	PCI/G	J
THORIUM-232		8.19	PCI/G	J	3.18	PCI/G	J
THORIUM-TOTAL		75.1	UG/G	J	29.2	UG/G	J
URANIUM-234		645	PCI/G	J	1050	PCI/G	J
URANIUM-235/236		363	PCI/G	J	363	PCI/G	J
URANIUM-238		1320	PCI/G	J	1240	PCI/G	J
URANIUM-TOTAL		1500	UG/G	J	2070	UG/G	J

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A.8.1.2

CLEARWELL
PIT MATERIAL
INORGANIC RESULTS

Characterization Investigation Study - Pit CLEARWELL
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		08-02				08-03				08-04				08-01		
Sample ID:		PS-08-002				PS-08-004				PS-08-006				PS-08-007		
Sample Date:		04/23/87				04/23/87				04/23/87				04/23/87		
Top Depth (ft):		11.0				11.0				11.0				11.0		
Bottom Depth (ft):		13.0				13.0				13.0				13.0		
CYANIDE	U	0.9	MG/KG	UJ		9.2	MG/KG	J	U	1.7	MG/KG	UJ	U	2.1	MG/KG	UJ
ALUMINUM	E	18800	MG/KG	J	E	23800	MG/KG	J	E	12900	MG/KG	J	E	1900	MG/KG	J
ANTIMONY		2	MG/KG	J		32	MG/KG	J	U	0.9	MG/KG	U	U	1.0	MG/KG	U
ARSENIC	N	6.0	MG/KG	J	N	18	MG/KG	J	N	9.1	MG/KG	J	N	8.4	MG/KG	J
BARIUM	NE	733	MG/KG	J	NE	6910	MG/KG	J	NE	2390	MG/KG	J	NE	1520	MG/KG	J
BERYLLIUM	J	1.2	MG/KG	J		9.1	MG/KG	-		0.6	MG/KG	J		0.8	MG/KG	J
CADMIUM		5.1	MG/KG	-		7.2	MG/KG	-	U	1.2	MG/KG	U	U	1.4	MG/KG	U
CALCIUM	*E	129000	MG/KG	J	*E	157000	MG/KG	J	*E	183000	MG/KG	J	E*	144000	MG/KG	J
CHROMIUM		44	MG/KG	-		76	MG/KG	-		41	MG/KG	-		43	MG/KG	-
COBALT		18	MG/KG	-		23	MG/KG	J	U	6.2	MG/KG	U	U	7.2	MG/KG	U
COPPER	N	195	MG/KG	J	N	1120	MG/KG	J	N	613	MG/KG	J	N	454	MG/KG	J
CYANIDE	U	0.9	MG/KG	UJ		9.2	MG/KG	J	U	1.7	MG/KG	UJ	U	2.1	MG/KG	UJ
IRON	E	19800	MG/KG	J	E	21100	MG/KG	J	E	19600	MG/KG	J	E	19900	MG/KG	J
LEAD	*	39	MG/KG	J	*	83	MG/KG	J	*	32	MG/KG	J	*	37	MG/KG	J
MAGNESIUM	*E	16800	MG/KG	J	E*	44600	MG/KG	J	E*	34100	MG/KG	J	E*	33800	MG/KG	J
MANGANESE	E	1660	MG/KG	J	E	762	MG/KG	J	E	1350	MG/KG	J	E	833	MG/KG	J
MERCURY		0.4	MG/KG	J		4.4	MG/KG	J		0.9	MG/KG	J		3.9	MG/KG	J
NICKEL		47	MG/KG	-		67	MG/KG	-		25	MG/KG	J		24	MG/KG	J
OSMIUM																
POTASSIUM		2710	MG/KG	-		1690	MG/KG	J		2020	MG/KG	J		3650	MG/KG	J
SELENIUM	U	0.6	MG/KG	U		3.7	MG/KG	-	U	1.0	MG/KG	U	U	1.3	MG/KG	U
SILVER	N	3.3	MG/KG	J	UN	3.9	MG/KG	UJ	UN	0.6	MG/KG	UJ	UN	2.3	MG/KG	UJ

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit CLEARWELL
Pit Material Inorganic Results

Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
Well/Boring:		08-02				08-03				08-04				08-01		
Sample ID:		PS-08-002				PS-08-004				PS-08-006				PS-08-007		
Sample Date:		04/23/87				04/23/87				04/23/87				04/23/87		
Top Depth (ft):		11.0				11.0				11.0				11.0		
Bottom Depth (ft):		13.0				13.0				13.0				13.0		
SODIUM	B	1290	MG/KG	J		2670	MG/KG	J		2810	MG/KG	J		3500	MG/KG	J
THALLIUM	U	0.4	MG/KG	U		2.1	MG/KG	J	U	0.7	MG/KG	U	U	0.9	MG/KG	U
TIN																
VANADIUM		149	MG/KG	-		2600	MG/KG	-		148	MG/KG	-		100	MG/KG	-
ZINC		82	MG/KG	-		194	MG/KG	-		88	MG/KG	-		94	MG/KG	-

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Inorganic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP LQ		Result	Unit	VQ TCLP LQ	Result	Unit	VQ TCLP
ALUMINUM		17500	MG/KG	-	12600	MG/KG	-		14900	MG/KG	J	19800	MG/KG	-
ANTIMONY	U	6.4	MG/KG	UJ	2.0	MG/KG	J	U	1.4	MG/KG	UJ	8.3	MG/KG	J
ARSENIC	U	21.0	MG/KG	UJ	20.2	MG/KG	J		15.8	MG/KG	J	54.4	MG/KG	J
BARIUM		1090	MG/KG	J	1210	MG/KG	J		195	MG/KG	J	1790	MG/KG	J
BERYLLIUM		0.99	MG/KG	J	0.69	MG/KG	J		0.70	MG/KG	J	2.2	MG/KG	J
CADMIUM		1.7	MG/KG	J	0.75	MG/KG	J		0.24	MG/KG	J	2.8	MG/KG	J
CALCIUM		134000	MG/KG	J	126000	MG/KG	J		98800	MG/KG	-	162000	MG/KG	J
CHROMIUM		106	MG/KG	J	56.5	MG/KG	J		22.6	MG/KG	J	126	MG/KG	J
COBALT		14.5	MG/KG	J	9.2	MG/KG	J		10.2	MG/KG	J	19.7	MG/KG	J
COPPER		951	MG/KG	J	436	MG/KG	J		83.0	MG/KG	J	2060	MG/KG	J
IRON		17200	MG/KG	-	20300	MG/KG	J		18300	MG/KG	J	18300	MG/KG	J
LEAD		98.4	MG/KG	-	304	MG/KG	J		23.4	MG/KG	J	311	MG/KG	J
MAGNESIUM		13500	MG/KG	J	19200	MG/KG	J		18700	MG/KG	J	25300	MG/KG	J
MANGANESE		3550	MG/KG	J	751	MG/KG	J		735	MG/KG	J	10600	MG/KG	J
MERCURY		0.64	MG/KG	J	0.53	MG/KG	J		0.14	MG/KG	J	1.6	MG/KG	-
MOLYBDENUM		17.4	MG/KG	J	9.0	MG/KG	J		2.3	MG/KG	J	40.9	MG/KG	J
NICKEL		90.6	MG/KG	J	35.4	MG/KG	J		32.1	MG/KG	J	137	MG/KG	J
POTASSIUM		4490	MG/KG	J	3390	MG/KG	J		3250	MG/KG	J	4540	MG/KG	J
SELENIUM		0.18	MG/KG	J	0.21	MG/KG	J	U	0.14	MG/KG	UJ	0.85	MG/KG	J
SILVER		6.6	MG/KG	J	1.0	MG/KG	J	U	0.55	MG/KG	U	8.2	MG/KG	J
SODIUM		470	MG/KG	J	329	MG/KG	J		271	MG/KG	J	761	MG/KG	J
THALLIUM		0.91	MG/KG	J	0.39	MG/KG	J	U	0.14	MG/KG	UJ	1.6	MG/KG	J
TIN	U	5.7	MG/KG	UJ	2.8	MG/KG	J		1.9	MG/KG	J	16.1	MG/KG	-

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Submittal Date: 08-Feb-94
Print Date: 14-JAN-94
FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Inorganic Results

Well/Boring:	CW-E				CW-F				CW-B		
Sample ID:	098530				098531				098532		
Sample Date:	09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ALUMINUM		20700	MG/KG	J		17300	MG/KG	J		11200	MG/KG	J
ANTIMONY		9.8	MG/KG	J		10.9	MG/KG	J		1.7	MG/KG	J
ARSENIC		53.8	MG/KG	J		59.1	MG/KG	J		15.1	MG/KG	J
BARIUM		1610	MG/KG	-		1020	MG/KG	J		744	MG/KG	J
BERYLLIUM		2.0	MG/KG	J		2.9	MG/KG	J		0.56	MG/KG	J
CADMIUM		2.5	MG/KG	J		2.9	MG/KG	J		1.0	MG/KG	J
CALCIUM		164000	MG/KG	J		177000	MG/KG	-		101000	MG/KG	J
CHROMIUM		117	MG/KG	J		196	MG/KG	J		36.3	MG/KG	J
COBALT		18.1	MG/KG	J		25.7	MG/KG	J		7.7	MG/KG	J
COPPER		1770	MG/KG	J		3320	MG/KG	J		315	MG/KG	J
IRON		19200	MG/KG	J		15300	MG/KG	J		14600	MG/KG	J
LEAD		298	MG/KG	J		588	MG/KG	J		94.0	MG/KG	J
MAGNESIUM		27200	MG/KG	J		21400	MG/KG	J		20300	MG/KG	J
MANGANESE		7950	MG/KG	J		19800	MG/KG	J		708	MG/KG	J
MERCURY		1.0	MG/KG	-		1.6	MG/KG	J		0.48	MG/KG	J
MOLYBDENUM		30.5	MG/KG	J		39.4	MG/KG	J		5.5	MG/KG	J
NICKEL		116	MG/KG	-		228	MG/KG	J		31.9	MG/KG	J
POTASSIUM		4820	MG/KG	J		4270	MG/KG	J		2930	MG/KG	-
SELENIUM		0.67	MG/KG	J	U	0.20	MG/KG	UJ	U	0.14	MG/KG	UJ
SILVER		7.2	MG/KG	J		12.7	MG/KG	J		1.3	MG/KG	J
SODIUM		729	MG/KG	J		1020	MG/KG	J		310	MG/KG	J
THALLIUM		1.3	MG/KG	J	U	0.20	MG/KG	UJ	U	0.14	MG/KG	UJ
TIN		15.3	MG/KG	J		24.1	MG/KG	J		2.0	MG/KG	J

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Inorganic Results

Well/Boring:	CW-A					CW-B					CW-C					CW-D			
Sample ID:	098526					098527					098528					098529			
Sample Date:	09/01/92					09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VANADIUM		99.0	MG/KG	J			80.6	MG/KG	J			38.7	MG/KG	-			285	MG/KG	J	
ZINC		86.7	MG/KG	J			149	MG/KG	J			53.0	MG/KG	J			219	MG/KG	J	
AMMONIA, AS NITROGEN		151	MG/KG	-			150	MG/KG	J			133	MG/KG	J			24	MG/KG	J	
BROMIDE	U	14.0	MG/KG	UJ		U	16.0	MG/KG	UJ		U	15	MG/KG	UJ		U	0.2	MG/KG	UJ	
CHLORIDE	U	2755	MG/KG	UJ		U	319	MG/KG	UJ		U	294	MG/KG	UJ		U	417	MG/KG	U	
CYANIDE		0.64	MG/KG	J		U	0.40	MG/KG	U		U	0.37	MG/KG	UJ			1.47	MG/KG	J	
MOISTURE CONTENT		27.2	%	NV			37.3	%	NV			31.9	%	NV			52.0	%	NV	
NITRATE/NITRITE		36.8	MG/KG	J			18.5	MG/KG	J		U	7.34	MG/KG	UJ		U	10.4	MG/KG	UJ	
OIL & GREASE		110	MG/KG	J			122	MG/KG	-			49.5	MG/KG	J			230	MG/KG	J	
SPECIFIC GRAVITY		1.43	S.U.	NV			1.48	S.U.	NV			1.65	S.U.	NV			1.33	S.U.	NV	
SULFATE		461	MG/KG	J			572	MG/KG	J			350	MG/KG	J			212.	MG/KG	J	
TOTAL KJELDAHL NITROGEN		1060	MG/KG	J			993	MG/KG	J			606	MG/KG	J			644	MG/KG	J	
TOTAL ORGANIC CARBON		23200	MG/KG	J			85000	MG/KG	J			17700	MG/KG	J			3000	MG/KG	J	
TOTAL ORGANIC NITROGEN		909	MG/KG	J			843	MG/KG	J			473	MG/KG	J			620	MG/KG	J	
TOTAL PHOSPHORUS	U	6.87	MG/KG	UJ		U	0.797	MG/KG	UJ		U	7.34	MG/KG	UJ		U	10.4	MG/KG	UJ	
pH		6.95	S.U.	-			6.75	S.U.	J			6.85	S.U.	J			6.90	S.U.	J	
ALUMINUM		1710	UG/L	J	Y		2850	UG/L	J	Y		726	UG/L	J	Y		479	UG/L	J	Y
ANTIMONY	U	50.0	UG/L	UJ	Y	U	50.0	UG/L	UJ	Y	U	50.0	UG/L	UJ	Y	U	50.0	UG/L	UJ	Y
ARSENIC	U	85.0	UG/L	J	Y	U	85.0	UG/L	UJ	Y	U	85.0	UG/L	UJ	Y	U	85.0	UG/L	UJ	Y
BARIUM		4880	UG/L	J	Y		2430	UG/L	J	Y		1600	UG/L	J	Y		870	UG/L	J	Y
BERYLLIUM	U	5.0	UG/L	UJ	Y	U	5.0	UG/L	UJ	Y	U	5.0	UG/L	UJ	Y	U	5.0	UG/L	UJ	Y
CADMIUM		34.0	UG/L	J	Y		12.4	UG/L	J	Y	U	5.0	UG/L	UJ	Y		9.0	UG/L	J	Y
CALCIUM		1930000	UG/L	-	Y		1930000	UG/L	-	Y		1430000	UG/L	J	Y		1300000	UG/L	-	Y

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Submittal Date: 08-Feb-94
Print Date: 14-JAN-94
FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Inorganic Results

Well/Boring:	CW-E					CW-F					CW-B				
Sample ID:	098530					098531					098532				
Sample Date:	09/01/92					09/01/92					09/01/92				
Top Depth (ft):	11.0					11.0					11.0				
Bottom Depth (ft):	13.0					13.0					13.0				
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
VANADIUM		263	MG/KG	J		128	MG/KG	-		59.2	MG/KG	-	
ZINC		190	MG/KG	J		314	MG/KG	J		116	MG/KG	J	
AMMONIA, AS NITROGEN		15	MG/KG	NV		12.2	MG/KG	J		131	MG/KG	NV	
BROMIDE	U	21	MG/KG	UJ	U	21	MG/KG	UJ	U	15.0	MG/KG	UJ	
CHLORIDE	U	417	MG/KG	UJ	U	423	MG/KG	U	U	297	MG/KG	UJ	
CYANIDE		0.92	MG/KG	-		0.75	MG/KG	-	U	0.37	MG/KG	U	
MOISTURE CONTENT		52.1	%	NV		52.7	%	NV		32.8	%	NV	
NITRATE/NITRITE		69.0	MG/KG	J		48.9	MG/KG	J		14.6	MG/KG	J	
OIL & GREASE		288	MG/KG	J		187	MG/KG	NV		90.2	MG/KG	J	
SPECIFIC GRAVITY		1.30	S.U.	NV		1.35	S.U.	NV		1.56	S.U.	NV	
SULFATE		244	MG/KG	NV		374	MG/KG	NV		520	MG/KG	NV	
TOTAL KJELDAHL NITROGEN		220	MG/KG	J		220	MG/KG	J		1030	MG/KG	J	
TOTAL ORGANIC CARBON		41200	MG/KG	J		82600	MG/KG	J		108000	MG/KG	J	
TOTAL ORGANIC NITROGEN		205	MG/KG	NV		208	MG/KG	NV		899	MG/KG	NV	
TOTAL PHOSPHORUS		46.6	MG/KG	NV	U	10.6	MG/KG	UJ		276	MG/KG	NV	
pH		6.80	S.U.	NV		6.70	S.U.	NV		6.80	S.U.	NV	
ALUMINUM		1320	UG/L	J	Y	483	UG/L	J	Y	1940	UG/L	J	Y
ANTIMONY	U	50.0	UG/L	UJ	Y U	50.0	UG/L	UJ	Y	101	UG/L	J	Y
ARSENIC	U	85.0	UG/L	UJ	Y U	85.0	UG/L	UJ	Y U	85.0	UG/L	UJ	Y
BARIUM		1610	UG/L	J	Y	529	UG/L	J	Y	2090	UG/L	J	Y
BERYLLIUM	U	5.0	UG/L	UJ	Y U	5.0	UG/L	UJ	Y U	5.0	UG/L	UJ	Y
CADMIUM		17.4	UG/L	J	Y	6.6	UG/L	J	Y	7.6	UG/L	J	Y
CALCIUM		1830000	UG/L	J	Y	1260000	UG/L	J	Y	1460000	UG/L	J	Y

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FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Inorganic Results

Well/Boring:	CW-A					CW-B					CW-C					CW-D			
Sample ID:	098526					098527					098528					098529			
Sample Date:	09/01/92					09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP
CHROMIUM		29.6	UG/L	J	Y U	10.0	UG/L	UJ	Y U	10.0	UG/L	J	Y	17.1	UG/L	J	Y
COBALT		105	UG/L	J	Y	60.4	UG/L	J	Y	90.5	UG/L	J	Y	78.3	UG/L	J	Y
COPPER		2240	UG/L	J	Y	48.2	UG/L	J	Y	18.2	UG/L	J	Y	491	UG/L	J	Y
IRON		108	UG/L	J	Y	2720	UG/L	J	Y	308	UG/L	J	Y	43.4	UG/L	J	Y
LEAD	U	70.0	UG/L	UJ	Y	123	UG/L	J	Y U	70.0	UG/L	UJ	Y U	70.0	UG/L	UJ	Y
MAGNESIUM		62300	UG/L	J	Y	57600	UG/L	J	Y	47200	UG/L	J	Y	209000	UG/L	J	Y
MANGANESE		49900	UG/L	-	Y	14400	UG/L	-	Y	17400	UG/L	J	Y	108000	UG/L	-	Y
MERCURY	U	0.04	UG/L	U	Y U	0.05	UG/L	UJ	Y U	0.07	UG/L	U	Y	0.09	UG/L	UJ	Y
MOLYBDENUM		36.6	UG/L	J	Y	16.4	UG/L	J	Y U	10.0	UG/L	UJ	Y	157	UG/L	J	Y
NICKEL		766	UG/L	J	Y	200	UG/L	J	Y	106	UG/L	J	Y	1290	UG/L	J	Y
POTASSIUM		8420	UG/L	J	Y	3040	UG/L	J	Y	4870	UG/L	J	Y	7700	UG/L	J	Y
SELENIUM	U	125	UG/L	UJ	Y U	125	UG/L	UJ	Y U	125	UG/L	UJ	Y U	125	UG/L	UJ	Y
SILVER	U	20.0	UG/L	UJ	Y	49.4	UG/L	J	Y U	20.0	UG/L	UJ	Y U	20.0	UG/L	UJ	Y
SODIUM																	
THALLIUM	U	277	UG/L	UJ	Y U	200	UG/L	UJ	Y U	200	UG/L	UJ	Y U	582	UG/L	UJ	Y
VANADIUM		128	UG/L	J	Y	80.5	UG/L	J	Y	12.3	UG/L	J	Y	43.3	UG/L	J	Y
ZINC		486	UG/L	J	Y	1230	UG/L	J	Y	223	UG/L	J	Y	350	UG/L	J	Y
CYANIDE																	
SILICON		9860	UG/L	J	Y	7880	UG/L	J	Y	4490	UG/L	J	Y	20200	UG/L	J	Y

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1992 RI/FS - Pit CLEARWELL
Pit Material Inorganic Results

Well/Boring:	CW-E					CW-F					CW-B			
Sample ID:	098530					098531					098532			
Sample Date:	09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHROMIUM	U	10.0	UG/L	UJ	Y		36.0	UG/L	J	Y	U	10.0	UG/L	UJ	Y
COBALT		96.8	UG/L	J	Y		182	UG/L	J	Y		52.8	UG/L	J	Y
COPPER		1050	UG/L	-	Y		1870	UG/L	J	Y		39.0	UG/L	J	Y
IRON		44.2	UG/L	J	Y	U	24.8	UG/L	UJ	Y		2320	UG/L	J	Y
LEAD	U	70.0	UG/L	UJ	Y	U	70.0	UG/L	UJ	Y	U	70.0	UG/L	UJ	Y
MAGNESIUM		214000	UG/L	J	Y		179000	UG/L	J	Y		50900	UG/L	J	Y
MANGANESE		90100	UG/L	-	Y		177000	UG/L	J	Y		12100	UG/L	J	Y
MERCURY		0.07	UG/L	UJ	Y	U	0.08	UG/L	U	Y	U	0.07	UG/L	U	Y
MOLYBDENUM		87.1	UG/L	J	Y		121	UG/L	J	Y		20.0	UG/L	J	Y
NICKEL		1170	UG/L	J	Y		2520	UG/L	J	Y		150	UG/L	J	Y
POTASSIUM		5020	UG/L	J	Y		5990	UG/L	J	Y		5270	UG/L	J	Y
SELENIUM	U	125	UG/L	UJ	Y	U	125	UG/L	UJ	Y	U	125	UG/L	UJ	Y
SILVER	U	20.0	UG/L	UJ	Y	U	26.4	UG/L	UJ	Y	U	20.0	UG/L	UJ	Y
SODIUM															
THALLIUM	U	547	UG/L	UJ	Y	U	544	UG/L	UJ	Y	U	200	UG/L	UJ	Y
VANADIUM		78.0	UG/L	J	Y	U	10.0	UG/L	UJ	Y		70.3	UG/L	J	Y
ZINC		530	UG/L	J	Y		712	UG/L	J	Y		731	UG/L	J	Y
CYANIDE															
SILICON		23500	UG/L	J	Y		22400	UG/L	J	Y		6380	UG/L	J	Y

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A.8.1.3

CLEARWELL
PIT MATERIAL
ORGANIC RESULTS

Characterization Investigation Study - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	08-02				08-03				08-04				08-01		
Sample ID:	PS-08-002				PS-08-004				PS-08-006				PS-08-007		
Sample Date:	04/23/87				04/23/87				04/23/87				04/23/87		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	29	UG/KG	U	U	60	UG/KG	U	U	54	UG/KG	U	U	67	UG/KG	U
4,4-DDE	U	29	UG/KG	U	U	60	UG/KG	U	U	54	UG/KG	U	U	67	UG/KG	U
4,4-DDT	U	29	UG/KG	U	U	60	UG/KG	U	U	54	UG/KG	U	U	67	UG/KG	U
ALDRIN	U	15	UG/KG	U	U	30	UG/KG	U	U	27	UG/KG	U	U	33	UG/KG	U
ALPHA-BHC	U	15	UG/KG	U	U	30	UG/KG	U	U	27	UG/KG	U	U	33	UG/KG	U
AROCLOR 1016	U	150	UG/KG	U	U	300	UG/KG	U	U	270	UG/KG	U	U	330	UG/KG	U
AROCLOR 1221	U	150	UG/KG	U	U	300	UG/KG	U	U	270	UG/KG	U	U	330	UG/KG	U
AROCLOR 1232	U	150	UG/KG	U	U	300	UG/KG	U	U	270	UG/KG	U	U	330	UG/KG	U
AROCLOR 1242	U	150	UG/KG	U	J	121	UG/KG	J	U	270	UG/KG	U	U	330	UG/KG	U
AROCLOR 1248		308	UG/KG	-	U	300	UG/KG	U	U	270	UG/KG	U	U	330	UG/KG	U
AROCLOR 1254		737	UG/KG	-	J	150	UG/KG	J	J	132	UG/KG	J	J	180	UG/KG	J
AROCLOR 1260	U	290	UG/KG	U	U	600	UG/KG	U	U	540	UG/KG	U	U	670	UG/KG	U
BETA-BHC	U	15	UG/KG	U	U	30	UG/KG	U	U	27	UG/KG	U	U	33	UG/KG	U
CHLORDANE	U	150	UG/KG	U	U	300	UG/KG	U	U	270	UG/KG	U	U	330	UG/KG	U
DELTA-BHC	U	15	UG/KG	U	U	30	UG/KG	U	U	27	UG/KG	U	U	33	UG/KG	U
DIELDRIN	U	29	UG/KG	U	U	60	UG/KG	U	U	54	UG/KG	U	U	67	UG/KG	U
ENDOSULFAN I	U	15	UG/KG	U	U	30	UG/KG	U	U	27	UG/KG	U	U	33	UG/KG	U
ENDOSULFAN II	U	29	UG/KG	U	U	60	UG/KG	U	U	54	UG/KG	U	U	67	UG/KG	U
ENDOSULFAN SULFATE	U	29	UG/KG	U	U	60	UG/KG	U	U	54	UG/KG	U	U	67	UG/KG	U
ENDRIN	U	29	UG/KG	U	U	60	UG/KG	U	U	54	UG/KG	U	U	67	UG/KG	U
ENDRIN KETONE	U	29	UG/KG	U	U	60	UG/KG	U	U	54	UG/KG	U	U	67	UG/KG	U
GAMMA-BHC(Lindane)	U	15	UG/KG	U	U	30	UG/KG	U	U	27	UG/KG	U	U	33	UG/KG	U

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Print Date: 13-JAN-94
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Characterization Investigation Study - Pit CLEARWELL
Pit Material Organic Results

Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
Well/Boring:		08-02					08-03					08-04					08-01			
Sample ID:		PS-08-002					PS-08-004					PS-08-006					PS-08-007			
Sample Date:		04/23/87					04/23/87					04/23/87					04/23/87			
Top Depth (ft):		11.0					11.0					11.0					11.0			
Bottom Depth (ft):		13.0					13.0					13.0					13.0			
HEPTACHLOR	U	15	UG/KG	U	U		30	UG/KG	U	U		27	UG/KG	U	U		33	UG/KG	U	
HEPTACHLOR EPOXIDE	U	15	UG/KG	U	U		30	UG/KG	U	U		27	UG/KG	U	U		33	UG/KG	U	
METHOXYCHLOR	U	150	UG/KG	U	U		300	UG/KG	U	U		270	UG/KG	U	U		330	UG/KG	U	
TOXAPHENE	U	290	UG/KG	U	U		600	UG/KG	U	U		540	UG/KG	U	U		670	UG/KG	U	
1,2,4-TRICHLOROBENZENE	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
1,2-DICHLOROBENZENE	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
1,3-DICHLOROBENZENE	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
1,4-DICHLOROBENZENE	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2,4,5-TRICHLOROPHENOL	U	3400	UG/KG	UJ	U		7000	UG/KG	UJ	U		6200	UG/KG	J	U		7600	UG/KG	UJ	
2,4,6-TRICHLOROPHENOL	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2,4-DICHLOROPHENOL	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2,4-DIMETHYLPHENOL	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2,4-DINITROPHENOL	U	3400	UG/KG	UJ	U		7000	UG/KG	UJ	U		6200	UG/KG	UJ	U		7600	UG/KG	UJ	
2,4-DINITROTOLUENE	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2,6-DINITROTOLUENE	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2-CHLORONAPHTHALENE	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2-CHLOROPHENOL	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2-METHYLNAPHTHALENE	U	670	UG/KG	UJ	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2-METHYLPHENOL	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
2-NITROANILINE	U	3400	UG/KG	U	U		7000	UG/KG	U	U		6200	UG/KG	U	U		7600	UG/KG	U	
2-NITROPHENOL	U	670	UG/KG	U	U		1400	UG/KG	U	U		1200	UG/KG	U	U		1500	UG/KG	U	
3,3-DICHLOROBENZIDINE	U	1300	UG/KG	U	U		2800	UG/KG	U	U		2500	UG/KG	U	U		3000	UG/KG	U	

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See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	08-02				08-03				08-04				08-01			
Sample ID:	PS-08-002				PS-08-004				PS-08-006				PS-08-007			
Sample Date:	04/23/87				04/23/87				04/23/87				04/23/87			
Top Depth (ft):	11.0				11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
3-NITROANILINE	U	3400	UG/KG	U	U	7000	UG/KG	U	U	6200	UG/KG	U	U	7600	UG/KG	U
4,6-DINITRO-2-METHYLPHENOL	U	3400	UG/KG	UJ	U	7000	UG/KG	UJ	U	6200	UG/KG	U	U	7600	UG/KG	UJ
4-BROMOPHENYL PHENYL ETHER	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	UJ	U	1500	UG/KG	U
4-CHLORO-3-METHYLPHENOL	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
4-CHLOROANILINE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
4-CHLOROPHENOL PHENYL ETHER	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	UJ	U	1500	UG/KG	U
4-METHYLPHENOL	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
4-NITROANILINE	U	3400	UG/KG	U	U	7000	UG/KG	U	U	6200	UG/KG	U	U	7600	UG/KG	U
4-NITROPHENOL	U	3400	UG/KG	UJ	U	7000	UG/KG	UJ	U	6200	UG/KG	UJ	U	7600	UG/KG	UJ
ACENAPHTHENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
ACENAPHTHYLENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
ANTHRACENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	J	450	UG/KG	J
BENZO(A)ANTHRACENE	U	670	UG/KG	U	U	1400	UG/KG	U	J	140	UG/KG	J	J	890	UG/KG	J
BENZO(A)PYRENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	J	670	UG/KG	J
BENZO(B)FLUORANTHENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	J	710	UG/KG	J
BENZO(G,H,I)PERYLENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	J	230	UG/KG	J
BENZO(K)FLUORANTHENE	U	670	UG/KG	UJ	U	1400	UG/KG	UJ	U	1200	UG/KG	UJ	J	750	UG/KG	J
BENZOIC ACID	U	3400	UG/KG	R	U	7000	UG/KG	R	U	6200	UG/KG	R	U	7600	UG/KG	R
BENZYL ALCOHOL	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
BIS(2-CHLOROETHOXY)METHANE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
BIS(2-CHLOROETHYL)ETHER	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	UJ
BIS(2-CHLOROISOPROPYL)ETHER	U	670	UG/KG	UJ	U	1400	UG/KG	UJ	U	1200	UG/KG	UJ	U	1500	UG/KG	UJ

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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5126

Characterization Investigation Study - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	08-02				08-03				08-04				08-01		
Sample ID:	PS-08-002				PS-08-004				PS-08-006				PS-08-007		
Sample Date:	04/23/87				04/23/87				04/23/87				04/23/87		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	670	UG/KG	U	J	200	UG/KG	J	J	270	UG/KG	J	J	560	UG/KG	J
BIS(CHLOROMETHYL)ETHER																
BUTYL BENZYL PHTHALATE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
C-10 UNK HYDROCARBON																
CHRYSENE	J	74	UG/KG	J	U	1400	UG/KG	U	J	150	UG/KG	J	J	1000	UG/KG	J
DI-N-BUTYLPHTHALATE	U	670	UG/KG	U	U	1400	UG/KG	U	J	120	UG/KG	J		1700	UG/KG	-
DI-N-OCTYLPHTHALATE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
DIBENZO(A,H)ANTHRACENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
DIBENZOFURAN	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
DIETHYL PHTHALATE	U	670	UG/KG	UJ	U	1400	UG/KG	UJ	U	1200	UG/KG	UJ	J	410	UG/KG	J
DIMETHYL PHTHALATE	U	670	UG/KG	UJ	U	1400	UG/KG	UJ	U	1200	UG/KG	UJ	U	1500	UG/KG	UJ
DIPROPYLAMINE																
FLUORANTHENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U		3100	UG/KG	-
FLUORENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	J	280	UG/KG	J
HEXACHLOROBENZENE	U	670	UG/KG	UJ	U	1400	UG/KG	UJ	U	1200	UG/KG	UJ	U	1500	UG/KG	UJ
HEXACHLOROBUTADIENE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
HEXACHLOROCYCLOPENTADIENE	U	670	UG/KG	U	U	1400	UG/KG	UJ	U	1200	UG/KG	UJ	U	1500	UG/KG	UJ
HEXACHLOROETHANE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
INDENO(1,2,3-CD)PYRENE	U	670	UG/KG	UJ	U	1400	UG/KG	UJ	U	1200	UG/KG	UJ	J	270	UG/KG	J
ISOPHORONE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	U
N-NITROSO-DI-N-PROPYLAMINE	U	670	UG/KG	U	U	1400	UG/KG	U	U	1200	UG/KG	U	U	1500	UG/KG	UJ
N-NITROSODIPHENYLAMINE	U	670	UG/KG	UJ	U	1400	UG/KG	UJ	U	1200	UG/KG	U	U	1500	UG/KG	U

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VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	08-02					08-03					08-04					08-01		
Sample ID:	PS-08-002					PS-08-004					PS-08-006					PS-08-007		
Sample Date:	04/23/87					04/23/87					04/23/87					04/23/87		
Top Depth (ft):	11.0					11.0					11.0					11.0		
Bottom Depth (ft):	13.0					13.0					13.0					13.0		
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
NAPHTHALENE	U	670	UG/KG	U		U	1400	UG/KG	U		U	1200	UG/KG	U		U	1500	UG/KG	U	
NITROBENZENE	U	670	UG/KG	U		U	1400	UG/KG	U		U	1200	UG/KG	U		U	1500	UG/KG	U	
PENTACHLOROPHENOL	U	3400	UG/KG	U		U	7000	UG/KG	U		U	6200	UG/KG	U		U	7600	UG/KG	U	
PHENANTHRENE	J	94	UG/KG	J		J	160	UG/KG	J		J	240	UG/KG	J			2100	UG/KG	-	
PHENOL	U	670	UG/KG	U		U	1400	UG/KG	U		U	1200	UG/KG	U		U	1500	UG/KG	U	
PYRENE	J	94	UG/KG	J		U	1400	UG/KG	U		J	290	UG/KG	J		J	1400	UG/KG	J	
1,1,1-TRICHLOROETHANE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,1,2,2-TETRACHLOROETHANE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,1,2-TRICHLOROETHANE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,1-DICHLOROETHANE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,1-DICHLOROETHENE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,2-DICHLOROETHANE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,2-DICHLOROETHENE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,2-DICHLOROPROPANE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,2-DICHLOROPROPENE																				
1,3-DICHLOROPROPENE	U	450	UG/KG	U		U	1000	UG/KG	U		U	790	UG/KG	U						
1,3-DICHLOROPROPYLENE																				
2-BUTANONE	U	890	UG/KG	R		U	2000	UG/KG	R		U	1600	UG/KG	R						
2-CHLOROETHYL VINYL ETHER	U	890	UG/KG	R		U	2000	UG/KG	R		U	1600	UG/KG	R						
2-HEXANONE	U	890	UG/KG	U		U	2000	UG/KG	U		U	1600	UG/KG	U						
4-METHYL-2-PENTANONE	U	890	UG/KG	U		U	2000	UG/KG	U		U	1600	UG/KG	U						
4-METHYLPHENOLPROPHYL ETHER																				

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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Characterization Investigation Study - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	08-02				08-03				08-04				08-0[illegible]			
Sample ID:	PS-08-002				PS-08-004				PS-08-006				PS-08-007			
Sample Date:	04/23/87				04/23/87				04/23/87				04/23/87			
Top Depth (ft):	11.0				11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
ACETONE	BJ	890	UG/KG	U	BJ	2000	UG/KG	U	B	2000	UG/KG	J				
ACROLEIN																
ACRYLONITRILE																
BENZENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
BROMODICHLOROMETHANE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
BROMOFORM	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
BROMOMETHANE	U	890	UG/KG	U	U	2000	UG/KG	U	U	1600	UG/KG	U				
BUTANOIC ACID, METHYL ESTER																
CARBON DISULFIDE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
CARBON TETRACHLORIDE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
CHLOROBENZENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
CHLOROETHANE	U	890	UG/KG	U	U	2000	UG/KG	U	U	1600	UG/KG	U				
CHLOROFORM	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
CHLOROMETHANE	U	890	UG/KG	UJ	U	2000	UG/KG	UJ	U	1600	UG/KG	UJ				
DIBROMOCHLOROMETHANE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
DICHLORODIFLUOROMETHANE																
ETHYLBENZENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
METHYLENE CHLORIDE	BJ	445	UG/KG	U	BJ	1000	UG/KG	U	B	870	UG/KG	J				
STYRENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
TETRACHLOROETHENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
TOLUENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
TOTAL XYLENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Characterization Investigation Study - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	08-02				08-03				08-04				08-01		
Sample ID:	PS-08-002				PS-08-004				PS-08-006				PS-08-007		
Sample Date:	04/23/87				04/23/87				04/23/87				04/23/87		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
TRANS-1,2-DICHLOROETHENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
TRICHLOROETHENE	U	450	UG/KG	U	U	1000	UG/KG	U	U	790	UG/KG	U				
VINYL ACETATE	U	890	UG/KG	UJ	U	2000	UG/KG	UJ	U	1600	UG/KG	UJ				
VINYL CHLORIDE	U	890	UG/KG	U	U	2000	UG/KG	U	U	1600	UG/KG	U				

LQ = Laboratory Qualifier (See list at front of Appendices)
Result = Laboratory result is presented if data is not validated; otherwise, validated result is presented.
Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
U = Undetected
J = Estimated
= Detected
NV = Not Validated
Blank areas do not imply missing/incomplete information.
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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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01129

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
CHLOROETHANE	U	14	UG/KG	R	U	16	UG/KG	R	U	15	UG/KG	R	U	21	UG/KG	R
CHLOROFORM	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
CHLOROMETHANE	U	14	UG/KG	R	U	16	UG/KG	R	U	15	UG/KG	R	U	21	UG/KG	R
CHLOROPRENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
DIBROMOCHLOROMETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
DIBROMOMETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
DICHLORODIFLUOROMETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
ETHYL METHACRYLATE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
ETHYLBENZENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
IODOMETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
ISOBUTYL ALCOHOL	U	69	UG/KG	R	U	80	UG/KG	R	U	73	UG/KG	R	U	100	UG/KG	R
METHACRYLONITRILE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
METHYL METHACRYLATE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
METHYLENE CHLORIDE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
PROPIONITRILE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
STYRENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
TETRACHLOROETHENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
TOLUENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
TOTAL PETROLEUM HYDROCARBON						16	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
TOTAL XYLENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
TRICHLOROETHENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
TRICHLOROFLUOROMETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R

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Unit = See list at front of Appendices.
VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
- = Detected
NV = Not Validated
R = Rejected
Blank areas do not imply missing/incomplete information.
See Introduction to Appendices for additional explanation.

Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
CHLOROETHANE	U	21	UG/KG	R	U	21	UG/KG	R	U	15	UG/KG	R
CHLOROFORM	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
CHLOROMETHANE	U	21	UG/KG	R	U	21	UG/KG	R	U	15	UG/KG	R
CHLOROPRENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
DIBROMOCHLOROMETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
DIBROMOMETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
DICHLORODIFLUOROMETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
ETHYL METHACRYLATE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
ETHYLBENZENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
IODOMETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
ISOBUTYL ALCOHOL	U	100	UG/KG	R	U	110	UG/KG	R	U	74	UG/KG	R
METHACRYLONITRILE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
METHYL METHACRYLATE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
METHYLENE CHLORIDE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
PROPIONITRILE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
STYRENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
TETRACHLOROETHENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
TOLUENE	U	10	UG/KG	R	J	9	UG/KG	R	U	7	UG/KG	R
TOTAL PETROLEUM HYDROCARBON												
TOTAL XYLENE	U	10	UG/KG	R	U	11	UG/KG	R		14	UG/KG	R
TRICHLOROETHENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
TRICHLOROFLUOROMETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R

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Submittal Date: 08-Feb-
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1201

5129

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A					CW-B					CW-C					CW-D			
Sample ID:	098526					098527					098528					098529			
Sample Date:	09/01/92					09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VINYL ACETATE	U	69	UG/KG	R		U	80	UG/KG	R		U	73	UG/KG	R		U	100	UG/KG	R	
VINYL CHLORIDE	U	14	UG/KG	R		U	16	UG/KG	R		U	15	UG/KG	R		U	21	UG/KG	R	
4,4-DDD	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y
4,4-DDE	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y
4,4-DDT	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y
ALDRIN	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
ALPHA-BHC	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
ALPHA-CHLORDANE	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
AROCLOR 1016	U	1.30	UG/L	R	Y	U	1.16	UG/L	R	Y	U	1.28	UG/L	R	Y	U	1.25	UG/L	R	Y
AROCLOR 1221	U	1.30	UG/L	R	Y	U	1.16	UG/L	R	Y	U	1.28	UG/L	R	Y	U	1.25	UG/L	R	Y
AROCLOR 1232	U	1.30	UG/L	R	Y	U	1.16	UG/L	R	Y	U	1.28	UG/L	R	Y	U	1.25	UG/L	R	Y
AROCLOR 1242	U	1.30	UG/L	R	Y	U	1.16	UG/L	R	Y	U	1.28	UG/L	R	Y	U	1.25	UG/L	R	Y
AROCLOR 1248	U	1.30	UG/L	R	Y	U	1.16	UG/L	R	Y	U	1.28	UG/L	R	Y	U	1.25	UG/L	R	Y
AROCLOR 1254	U	1.30	UG/L	R	Y	U	1.16	UG/L	R	Y	U	1.28	UG/L	R	Y	U	1.25	UG/L	R	Y
AROCLOR 1260	U	1.30	UG/L	R	Y	U	1.16	UG/L	R	Y	U	1.28	UG/L	R	Y	U	1.25	UG/L	R	Y
BETA-BHC	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
DELTA-BHC	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
DIELDRIN	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y
ENDOSULFAN I	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
ENDOSULFAN II	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y
ENDOSULFAN SULFATE	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y
ENDRIN	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y
ENDRIN ALDEHYDE	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E					CW-F					CW-B			
Sample ID:	098530					098531					098532			
Sample Date:	09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
VINYL ACETATE	U	100	UG/KG	R		U	110	UG/KG	R		U	74	UG/KG	R	
VINYL CHLORIDE	U	21	UG/KG	R		U	21	UG/KG	R		U	15	UG/KG	R	
4,4-DDD	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y
4,4-DDE	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y
4,4-DDT	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y
ALDRIN	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
ALPHA-BHC	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
ALPHA-CHLORDANE	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
AROCLOR 1016	U	1.27	UG/L	R	Y	U	1.17	UG/L	R	Y	U	1.27	UG/L	R	Y
AROCLOR 1221	U	1.27	UG/L	R	Y	U	1.17	UG/L	R	Y	U	1.27	UG/L	R	Y
AROCLOR 1232	U	1.27	UG/L	R	Y	U	1.17	UG/L	R	Y	U	1.27	UG/L	R	Y
AROCLOR 1242	U	1.27	UG/L	R	Y	U	1.17	UG/L	R	Y	U	1.27	UG/L	R	Y
AROCLOR 1248	U	1.27	UG/L	R	Y	U	1.17	UG/L	R	Y	U	1.27	UG/L	R	Y
AROCLOR 1254	U	1.27	UG/L	R	Y	U	1.17	UG/L	R	Y	U	1.27	UG/L	R	Y
AROCLOR 1260	U	1.27	UG/L	R	Y	U	1.17	UG/L	R	Y	U	1.27	UG/L	R	Y
BETA-BHC	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
DELTA-BHC	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
DIELDRIN	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y
ENDOSULFAN I	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
ENDOSULFAN II	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y
ENDOSULFAN SULFATE	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y
ENDRIN	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y
ENDRIN ALDEHYDE	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1202

1203

-5129

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A					CW-B					CW-C					CW-D			
Sample ID:	098526					098527					098528					098529			
Sample Date:	09/01/92					09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
ENDRIN KETONE	U	0.104	UG/L	R	Y	U	0.0929	UG/L	R	Y	U	0.102	UG/L	R	Y	U	0.100	UG/L	R	Y
GAMMA-BHC(Lindane)	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
GAMMA-CHLORDANE	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
HEPTACHLOR	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
HEPTACHLOR EPOXIDE	U	0.0518	UG/L	R	Y	U	0.0464	UG/L	R	Y	U	0.0512	UG/L	R	Y	U	0.0500	UG/L	R	Y
METHOXYCHLOR	U	0.518	UG/L	R	Y	U	0.464	UG/L	R	Y	U	0.512	UG/L	R	Y	U	0.500	UG/L	R	Y
TOXAPHENE	U	5.18	UG/L	R	Y	U	4.64	UG/L	R	Y	U	5.12	UG/L	R	Y	U	5.00	UG/L	R	Y
1,2,4-TRICHLOROBENZENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
1,2-DICHLOROBENZENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
1,3-DICHLOROBENZENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
1,4-DICHLOROBENZENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2,4,5-TRICHLOROPHENOL	U	50	UG/L	R	Y	U	63	UG/L	R	Y	U	62	UG/L	R	Y	U	60	UG/L	R	Y
2,4,6-TRICHLOROPHENOL	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2,4-DICHLOROPHENOL	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2,4-DIMETHYLPHENOL	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2,4-DINITROPHENOL	U	50	UG/L	R	Y	U	63	UG/L	R	Y	U	62	UG/L	R	Y	U	60	UG/L	R	Y
2,4-DINITROTOLUENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2,6-DINITROTOLUENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2-CHLORONAPHTHALENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2-CHLOROPHENOL	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2-METHYLNAPHTHALENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2-METHYLPHENOL	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
2-NITROANILINE	U	50	UG/L	R	Y	U	63	UG/L	R	Y	U	62	UG/L	R	Y	U	60	UG/L	R	Y

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E					CW-F					CW-B			
Sample ID:	098530					098531					098532			
Sample Date:	09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
ENDRIN KETONE	U	0.101	UG/L	R	Y	U	0.0940	UG/L	R	Y	U	0.102	UG/L	R	Y
GAMMA-BHC(Lindane)	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
GAMMA-CHLORDANE	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
HEPTACHLOR	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
HEPTACHLOR EPOXIDE	U	0.0507	UG/L	R	Y	U	0.0470	UG/L	R	Y	U	0.0509	UG/L	R	Y
METHOXYCHLOR	U	0.507	UG/L	R	Y	U	0.470	UG/L	R	Y	U	0.509	UG/L	R	Y
TOXAPHENE	U	5.07	UG/L	R	Y	U	4.70	UG/L	R	Y	U	5.09	UG/L	R	Y
1,2,4-TRICHLOROBENZENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
1,2-DICHLOROBENZENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
1,3-DICHLOROBENZENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
1,4-DICHLOROBENZENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2,4,5-TRICHLOROPHENOL	U	59	UG/L	R	Y	U	11	UG/L	R	Y	U	59	UG/L	R	Y
2,4,6-TRICHLOROPHENOL	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2,4-DICHLOROPHENOL	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2,4-DIMETHYLPHENOL	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2,4-DINITROPHENOL	U	59	UG/L	R	Y	U	54	UG/L	R	Y	U	59	UG/L	R	Y
2,4-DINITROTOLUENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2,6-DINITROTOLUENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2-CHLORONAPHTHALENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2-CHLOROPHENOL	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2-METHYLNAPHTHALENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2-METHYLPHENOL	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
2-NITROANILINE	U	59	UG/L	R	Y	U	54	UG/L	R	Y	U	59	UG/L	R	Y

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FEMP OU1RI-5 USEPA

1204
827629

1205

-5129

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A					CW-B					CW-C					CW-D			
Sample ID:	098526					098527					098528					098529			
Sample Date:	09/01/92					09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP LQ	Result	Unit	VQ	TCLP		
2-NITROPHENOL	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
3,3-DICHLOROBENZIDINE	U	20	UG/L	R	Y U	25	UG/L	R	Y U	25	UG/L	R	Y	24	UG/L	R	Y		
3-NITROANILINE	U	50	UG/L	R	Y U	63	UG/L	R	Y U	62	UG/L	R	Y U	60	UG/L	R	Y		
4,6-DINITRO-2-METHYLPHENOL	U	50	UG/L	R	Y U	63	UG/L	R	Y U	62	UG/L	R	Y U	60	UG/L	R	Y		
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
4-CHLORO-3-METHYLPHENOL	U	20	UG/L	R	Y U	25	UG/L	R	Y U	25	UG/L	R	Y U	24	UG/L	R	Y		
4-CHLOROANILINE	U	20	UG/L	R	Y U	25	UG/L	R	Y U	25	UG/L	R	Y U	24	UG/L	R	Y		
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
4-METHYLPHENOL	R	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
4-NITROANILINE	U	50	UG/L	R	Y U	63	UG/L	R	Y U	62	UG/L	R	Y U	60	UG/L	R	Y		
4-NITROPHENOL	U	50	UG/L	R	Y U	63	UG/L	R	Y U	62	UG/L	R	Y U	60	UG/L	R	Y		
ACENAPHTHENE	U	10	UG/L	R	Y				U	12	UG/L	R	Y U	12	UG/L	R	Y		
ACENAPHTHYLENE	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
ANTHRACENE	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
BENZO(A)ANTHRACENE	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
BENZO(A)PYRENE	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
BENZO(B)FLUORANTHENE	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
BENZO(G,H,I)PERYLENE	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
BENZO(K)FLUORANTHENE	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	24	UG/L	R	Y		
BENZYL ALCOHOL	U	20	UG/L	R	Y U	25	UG/L	R	Y U	25	UG/L	R	Y U	12	UG/L	R	Y		
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	R	Y U	13	UG/L	R	Y U	12	UG/L	R	Y U	12	UG/L	R	Y		

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E					CW-F					CW-B			
Sample ID:	098530					098531					098532			
Sample Date:	09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
2-NITROPHENOL	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
3,3-DICHLOROBENZIDINE	U	24	UG/L	R	Y	U	22	UG/L	R	Y	U	24	UG/L	R	Y
3-NITROANILINE	U	59	UG/L	R	Y	U	54	UG/L	R	Y	U	59	UG/L	R	Y
4,6-DINITRO-2-METHYLPHENOL	U	59	UG/L	R	Y	U	54	UG/L	R	Y	U	59	UG/L	R	Y
4-BROMOPHENYL PHENYL ETHER	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
4-CHLORO-3-METHYLPHENOL	U	24	UG/L	R	Y	U	22	UG/L	R	Y	U	24	UG/L	R	Y
4-CHLOROANILINE	U	24	UG/L	R	Y	U	22	UG/L	R	Y	U	24	UG/L	R	Y
4-CHLOROPHENOL PHENYL ETHER	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
4-METHYLPHENOL	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
4-NITROANILINE	U	59	UG/L	R	Y	U	54	UG/L	R	Y	U	59	UG/L	R	Y
4-NITROPHENOL	U	59	UG/L	R	Y	U	54	UG/L	R	Y	U	59	UG/L	R	Y
ACENAPHTHENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y		12	UG/L	R	Y
ACENAPHTHYLENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
ANTHRACENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BENZO(A)ANTHRACENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BENZO(A)PYRENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BENZO(B)FLUORANTHENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BENZO(G,H,I)PERYLENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BENZO(K)FLUORANTHENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BENZYL ALCOHOL	U	24	UG/L	R	Y	U	22	UG/L	R	Y	U	24	UG/L	R	Y
BIS(2-CHLOROETHOXY)METHANE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BIS(2-CHLOROETHYL)ETHER	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BIS(2-CHLOROISOPROPYL)ETHER	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

5129

1204

5126

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A					CW-B					CW-C					CW-D				
Sample ID:	098526					098527					098528					098529				
Sample Date:	09/01/92					09/01/92					09/01/92					09/01/92				
Top Depth (ft):	11.0					11.0					11.0					11.0				
Bottom Depth (ft):	13.0					13.0					13.0					13.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
BUTYL BENZYL PHTHALATE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
CARBAZOLE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
CHRYSENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
DI-N-BUTYLPHTHALATE	J	4	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
DI-N-OCTYLPHTHALATE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
DIBENZO(A,H)ANTHRACENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
DIBENZOFURAN	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
DIETHYL PHTHALATE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
DIMETHYL PHTHALATE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
FLUORANTHENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
FLUORENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
HEXACHLOROBENZENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
HEXACHLOROBUTADIENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
HEXACHLOROETHANE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
INDENO(1,2,3-CD)PYRENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
ISOPHORONE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
N-NITROSODIPHENYLAMINE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
NAPHTHALENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
NITROBENZENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
PENTACHLOROPHENOL	U	50	UG/L	R	Y	U	63	UG/L	R	Y	U	62	UG/L	R	Y	U	60	UG/L	R	Y

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E					CW-F					CW-B			
Sample ID:	098530					098531					098532			
Sample Date:	09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
BIS(2-ETHYLHEXYL)PHTHALATE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
BUTYL BENZYL PHTHALATE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
CARBAZOLE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
CHRYSENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
DI-N-BUTYLPHTHALATE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
DI-N-OCTYLPHTHALATE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
DIBENZO(A,H)ANTHRACENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
DIBENZOFURAN	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
DIETHYL PHTHALATE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
DIMETHYL PHTHALATE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
FLUORANTHENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
FLUORENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
HEXACHLOROBENZENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
HEXACHLOROBUTADIENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
HEXACHLOROCYCLOPENTADIENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
HEXACHLOROETHANE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
INDENO(1,2,3-CD)PYRENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
ISOPHORONE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
N-NITROSO-DI-N-PROPYLAMINE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
N-NITROSODIPHENYLAMINE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
NAPHTHALENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
NITROBENZENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
PENTACHLOROPHENOL	U	59	UG/L	R	Y	U	54	UG/L	R	Y	U	59	UG/L	R	Y

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1208
51293

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A					CW-B					CW-C					CW-D			
Sample ID:	098526					098527					098528					098529			
Sample Date:	09/01/92					09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
PHENANTHRENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
PYRENE	U	10	UG/L	R	Y	U	13	UG/L	R	Y	U	12	UG/L	R	Y	U	12	UG/L	R	Y
o,o-DIETHYL-o,2-PYRAZINYLPHOSE						U	520	UG/L	R	Y		490	UG/L	R	Y					
1,1,1-TRICHLOROETHANE	U	5	UG/L	R	Y	B	280	UG/L	R	Y	B	15	UG/L	R	Y	U	15	UG/L	R	Y
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1,2-TRICHLOROETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1-DICHLOROETHANE	U	5	UG/L	R	Y	J	2	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1-DICHLOROETHENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROETHENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROPROPANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,3-DICHLOROPROPENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
2-BUTANONE	U	100	UG/L	R	Y	U	100	UG/L	R	Y	U	100	UG/L	R	Y	J	0.010	UG/L	R	Y
2-CHLOROETHYL VINYL ETHER	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
2-HEXANONE	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
4-METHYL-2-PENTANONE	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
ACETONE	B	390	UG/L	R	Y	B	210	UG/L	R	Y	B	260	UG/L	R	Y	B	150	UG/L	R	Y
BENZENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMODICHLOROMETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMOFORM	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMOMETHANE	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
CARBON DISULFIDE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CARBON TETRACHLORIDE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E					CW-F					CW-B			
Sample ID:	098530					098531					098532			
Sample Date:	09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
PHENANTHRENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
PYRENE	U	12	UG/L	R	Y	U	11	UG/L	R	Y	U	12	UG/L	R	Y
o,o-DIETHYL-o,2-PYRAZINYLPHOSE															
1,1,1-TRICHLOROETHANE	U	15	UG/L	R	Y	U	15	UG/L	R	Y	U	5	UG/L	R	Y
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1,2-TRICHLOROETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1-DICHLOROETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,1-DICHLOROETHENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROETHENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,2-DICHLOROPROPANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
1,3-DICHLOROPROPENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
2-BUTANONE	U	100	UG/L	R	Y	U	100	UG/L	R	Y	B	5	UG/L	R	Y
2-CHLOROETHYL VINYL ETHER	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
2-HEXANONE	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
4-METHYL-2-PENTANONE	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
ACETONE	B	140	UG/L	R	Y	B	120	UG/L	R	Y	B	210	UG/L	R	Y
BENZENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMODICHLOROMETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMOFORM	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
BROMOMETHANE	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
CARBON DISULFIDE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CARBON TETRACHLORIDE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y

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FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

5129

Well/Boring:	CW-A					CW-B					CW-C					CW-D			
Sample ID:	098526					098527					098528					098529			
Sample Date:	09/01/92					09/01/92					09/01/92					09/01/92			
Top Depth (ft):	11.0					11.0					11.0					11.0			
Bottom Depth (ft):	13.0					13.0					13.0					13.0			
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHLOROBENZENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CHLOROETHANE	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
CHLOROFORM	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CHLOROMETHANE	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
DIBROMOCHLOROMETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
ETHYLBENZENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
METHYLENE CHLORIDE	B	77	UG/L	R	Y	B	120	UG/L	R	Y	B	69	UG/L	R	Y	B	150	UG/L	R	Y
STYRENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TETRACHLOROETHENE	U	5	UG/L	R	Y	J	4	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TOLUENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TOTAL XYLENE	U	5	UG/L	R	Y	U	15	UG/L	R	Y	U	15	UG/L	R	Y	U	15	UG/L	R	Y
TRICHLOROETHENE	U	5	UG/L	R	Y	J	3	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
VINYL ACETATE	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
VINYL CHLORIDE	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E					CW-F					CW-B				
Sample ID:	098530					098531					098532				
Sample Date:	09/01/92					09/01/92					09/01/92				
Top Depth (ft):	11.0					11.0					11.0				
Bottom Depth (ft):	13.0					13.0					13.0				
Parameters	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP	LQ	Result	Unit	VQ	TCLP
CHLOROBENZENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CHLOROETHANE	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
CHLOROFORM	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
CHLOROMETHANE	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y
DIBROMOCHLOROMETHANE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
ETHYLBENZENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
METHYLENE CHLORIDE	B	60	UG/L	R	Y	B	72	UG/L	R	Y	B	31	UG/L	R	Y
STYRENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TETRACHLOROETHENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TOLUENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
TOTAL XYLENE	U	15	UG/L	R	Y	U	15	UG/L	R	Y	U	5	UG/L	R	Y
TRICHLOROETHENE	U	5	UG/L	R	Y	U	5	UG/L	R	Y	U	5	UG/L	R	Y
VINYL ACETATE	U	50	UG/L	R	Y	U	50	UG/L	R	Y	U	50	UG/L	R	Y
VINYL CHLORIDE	U	10	UG/L	R	Y	U	10	UG/L	R	Y	U	10	UG/L	R	Y

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4,5-T	U	2.75	UG/KG	R	U	3.19	UG/KG	R	U	2.94	UG/KG	R	U	4.17	UG/KG	R
2,4,5-TP (SILVEX)	U	2.75	UG/KG	R	U	3.19	UG/KG	R	U	2.94	UG/KG	R	U	4.17	UG/KG	R
2,4-D	U	14.0	UG/KG	R	U	16.0	UG/KG	R	U	15.0	UG/KG	R	U	21.0	UG/KG	R
DINOSEB	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
DIMETHOATE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
DISULFOTON	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
FAMPHUR	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
PARATHION	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
4,4-DDD	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
4,4-DDE	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
4,4-DDT	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
ALDRIN	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
ALPHA-BHC	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
ALPHA-CHLORDANE	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
AROCLOR 1016	U	57.8	UG/KG	R	U	65.6	UG/KG	R	U	62.3	UG/KG	R	U	87.5	UG/KG	R
AROCLOR 1221	U	57.8	UG/KG	R	U	65.6	UG/KG	R	U	62.3	UG/KG	R	U	87.5	UG/KG	R
AROCLOR 1232	U	57.8	UG/KG	R	U	65.6	UG/KG	R	U	62.3	UG/KG	R	U	87.5	UG/KG	R
AROCLOR 1242	U	57.8	UG/KG	R	U	65.6	UG/KG	R	U	62.3	UG/KG	R	U	87.5	UG/KG	R
AROCLOR 1248	U	57.8	UG/KG	R	U	65.6	UG/KG	R	U	62.3	UG/KG	R	U	87.5	UG/KG	R
AROCLOR 1254	J	120	UG/KG	R		236	UG/KG	R		350	UG/KG	R		370	UG/KG	R
AROCLOR 1260	U	57.8	UG/KG	R	U	65.6	UG/KG	R	U	62.3	UG/KG	R	U	87.5	UG/KG	R
BETA-BHC	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
CHLORDANE	U	46.2	UG/KG	R	U	52.4	UG/KG	R	U	49.9	UG/KG	R	U	70.0	UG/KG	R

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,4,5-T	U	4.18	UG/KG	R	U	4.23	UG/KG	R	U	2.98	UG/KG	R
2,4,5-TP (SILVEX)	U	4.18	UG/KG	R	U	4.23	UG/KG	R	U	2.98	UG/KG	R
2,4-D	U	21.0	UG/KG	R	U	21.0	UG/KG	R	U	15.0	UG/KG	R
DINOSEB	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
DIMETHOATE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
DISULFOTON	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
FAMPHUR	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
PARATHION	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
4,4-DDD	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
4,4-DDE	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
4,4-DDT	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
ALDRIN	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
ALPHA-BHC	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
ALPHA-CHLORDANE	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
AROCLOR 1016	U	87.3	UG/KG	R	U	89.6	UG/KG	R	U	59.1	UG/KG	R
AROCLOR 1221	U	87.3	UG/KG	R	U	89.6	UG/KG	R	U	59.1	UG/KG	R
AROCLOR 1232	U	87.3	UG/KG	R	U	89.6	UG/KG	R	U	59.1	UG/KG	R
AROCLOR 1242	U	87.3	UG/KG	R	U	89.6	UG/KG	R	U	59.1	UG/KG	R
AROCLOR 1248	U	87.3	UG/KG	R	U	89.6	UG/KG	R	U	59.1	UG/KG	R
AROCLOR 1254		438	UG/KG	R	J	94.9	UG/KG	R		190	UG/KG	R
AROCLOR 1260	U	87.3	UG/KG	R	U	89.6	UG/KG	R	U	59.1	UG/KG	R
BETA-BHC	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
CHLORDANE	U	69.8	UG/KG	R	U	71.7	UG/KG	R	U	47.2	UG/KG	R

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FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
DELTA-BHC	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
DIELDRIN	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
ENDOSULFAN I	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
ENDOSULFAN II	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
ENDOSULFAN SULFATE	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
ENDRIN	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
ENDRIN ALDEHYDE	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
ENDRIN KETONE	U	4.62	UG/KG	R	U	5.24	UG/KG	R	U	4.99	UG/KG	R	U	7.00	UG/KG	R
GAMMA-BHC(Lindane)	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
GAMMA-CHLORDANE	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
HEPTACHLOR	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
HEPTACHLOR EPOXIDE	U	2.31	UG/KG	R	U	2.62	UG/KG	R	U	2.49	UG/KG	R	U	3.50	UG/KG	R
METHOXYCHLOR	U	23.1	UG/KG	R	U	26.2	UG/KG	R	U	24.9	UG/KG	R	U	35.0	UG/KG	R
TOXAPHENE	U	231	UG/KG	R	U	262	UG/KG	R	U	249	UG/KG	R	U	350	UG/KG	R
1,2,4,5-TETRACHLOROBENZENE	UJ	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
1,2,4-TRICHLOROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
1,2-DICHLOROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
1,3,5-TRINITROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
1,3-DICHLOROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
1,3-DINITROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
1,4-DICHLOROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
1,4-NAPHTHOQUINONE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
1-NAPHTHYLAMINE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
DELTA-BHC	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
DIELDRIN	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
ENDOSULFAN I	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
ENDOSULFAN II	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
ENDOSULFAN SULFATE	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
ENDRIN	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
ENDRIN ALDEHYDE	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
ENDRIN KETONE	U	6.98	UG/KG	R	U	7.17	UG/KG	R	U	4.72	UG/KG	R
GAMMA-BHC(Lindane)	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
GAMMA-CHLORDANE	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
HEPTACHLOR	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
HEPTACHLOR EPOXIDE	U	3.49	UG/KG	R	U	3.58	UG/KG	R	U	2.36	UG/KG	R
METHOXYCHLOR	U	34.9	UG/KG	R	U	35.8	UG/KG	R	U	23.6	UG/KG	R
TOXAPHENE	U	349	UG/KG	R	U	358	UG/KG	R	U	236	UG/KG	R
1,2,4,5-TETRACHLOROBENZENE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
1,2,4-TRICHLOROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
1,2-DICHLOROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
1,3,5-TRINITROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
1,3-DICHLOROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
1,3-DINITROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
1,4-DICHLOROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
1,4-NAPHTHOQUINONE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
1-NAPHTHYLAMINE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D			
Sample ID:	098526				098527				098528				098529			
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,3,4,6-TETRACHLOROPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2,4,5-TRICHLOROPHENOL	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
2,4,6-TRICHLOROPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2,4-DICHLOROPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2,4-DIMETHYLPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2,4-DINITROPHENOL	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
2,4-DINITROTOLUENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2,6-DICHLOROPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2,6-DINITROTOLUENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2-ACETYLAMINOFLUORENE	U	900	UG/KG	R	U	1000	UG/KG	R	U	980	UG/KG	R	U	1300	UG/KG	R
2-CHLORONAPHTHALENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2-CHLOROPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2-METHYLNAPHTHALENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2-METHYLPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2-NAPHTHYLAMINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2-NITROANILINE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
2-NITROPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
2-PICOLINE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
3,3-DICHLOROBENZIDINE	U	900	UG/KG	R	U	520	UG/KG	R	U	980	UG/KG	R	U	660	UG/KG	R
3-METHYLCHOLANTHRENE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
3-METHYLPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
3-NITROANILINE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
4,6-DINITRO-2-METHYLPHENOL	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
2,3,4,6-TETRACHLOROPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2,4,5-TRICHLOROPHENOL	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
2,4,6-TRICHLOROPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2,4-DICHLOROPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2,4-DIMETHYLPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2,4-DINITROPHENOL	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
2,4-DINITROTOLUENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2,6-DICHLOROPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2,6-DINITROTOLUENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2-ACETYLAMINOFLUORENE	U	1400	UG/KG	R	U	1400	UG/KG	R	U	930	UG/KG	R
2-CHLORONAPHTHALENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2-CHLOROPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2-METHYLNAPHTHALENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2-METHYLPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2-NAPHTHYLAMINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2-NITROANILINE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
2-NITROPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
2-PICOLINE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
3,3-DICHLOROBENZIDINE	U	700	UG/KG	R	U	700	UG/KG	R	U	930	UG/KG	R
3-METHYLCHOLANTHRENE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
3-METHYLPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
3-NITROANILINE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
4,6-DINITRO-2-METHYLPHENOL	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
4-BROMOPHENYL PHENYL ETHER	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
4-CHLORO-3-METHYLPHENOL	U	900	UG/KG	R	U	1000	UG/KG	R	U	980	UG/KG	R	U	1300	UG/KG	R
4-CHLOROANILINE	U	900	UG/KG	R	U	1000	UG/KG	R	U	980	UG/KG	R	U	1300	UG/KG	R
4-CHLOROPHENOL PHENYL ETHER	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
4-METHYLPHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
4-NITROANILINE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
4-NITROPHENOL	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
4-NITROQUINOLINE 1-OXIDE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
5-NITRO-O-TOLUIDINE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
7,12-DIMETHYLBENZ(A)ANTHRACENE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ACENAPHTHENE	U	450	UG/KG	R	U	840	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ACENAPHTHYLENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ACETOPHENONE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ANILINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ANTHRACENE	U	450	UG/KG	R	U	1300	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BENZO(A)ANTHRACENE	J	130	UG/KG	R	U	4900	UG/KG	R	J	160	UG/KG	R	U	660	UG/KG	R
BENZO(A)PYRENE	J	120	UG/KG	R		3300	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BENZO(B)FLUORANTHENE	J	180	UG/KG	R		4700	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BENZO(G,H,I)PERYLENE	U	450	UG/KG	R	U	1600	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BENZO(K)FLUORANTHENE	J	48	UG/KG	R		1600	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BENZOIC ACID	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4-AMINOBIPHENYL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
4-BROMOPHENYL PHENYL ETHER	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
4-CHLORO-3-METHYLPHENOL	U	1400	UG/KG	R	U	1400	UG/KG	R	U	930	UG/KG	R
4-CHLOROANILINE	U	1400	UG/KG	R	U	1400	UG/KG	R	U	930	UG/KG	R
4-CHLOROPHENOL PHENYL ETHER	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
4-METHYLPHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
4-NITROANILINE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
4-NITROPHENOL	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
4-NITROQUINOLINE 1-OXIDE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
5-NITRO-O-TOLUIDINE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
7,12-DIMETHYLBENZ(A)ANTHRACENE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
ACENAPHTHENE	U	700	UG/KG	R	U	3500	UG/KG	R		560	UG/KG	R
ACENAPHTHYLENE	U	700	UG/KG	R	U	700	UG/KG	R	U	560	UG/KG	R
ACETOPHENONE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
ANILINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
ANTHRACENE	U	700	UG/KG	R	U	700	UG/KG	R		810	UG/KG	R
BENZO(A)ANTHRACENE	U	700	UG/KG	R	U	700	UG/KG	R	UJ	3300	UG/KG	R
BENZO(A)PYRENE	U	700	UG/KG	R	U	700	UG/KG	R		1900	UG/KG	R
BENZO(B)FLUORANTHENE	U	700	UG/KG	R	U	700	UG/KG	R		2700	UG/KG	R
BENZO(G,H,I)PERYLENE	U	700	UG/KG	R	U	700	UG/KG	R		700	UG/KG	R
BENZO(K)FLUORANTHENE	U	700	UG/KG	R	U	700	UG/KG	R		1100	UG/KG	R
BENZOIC ACID	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R

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FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BENZYL ALCOHOL	U	900	UG/KG	R	U	1000	UG/KG	R	U	980	UG/KG	R	U	1300	UG/KG	R
BIS(2-CHLOROETHOXY)METHANE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BIS(2-CHLOROETHYL)ETHER	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BIS(2-CHLOROISOPROPYL)ETHER	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BIS(2-ETHYLHEXYL)PHTHALATE	U	450	UG/KG	R	U	760	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
BUTYL BENZYL PHTHALATE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
CARBAZOLE	U	450	UG/KG	R	U	1300	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
CHLOROBENZILATE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
CHRYSENE	J	140	UG/KG	R	U	4900	UG/KG	R	J	190	UG/KG	R	U	660	UG/KG	R
DI-N-BUTYLPHTHALATE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
DI-N-OCTYLPHTHALATE	J	230	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
DIALLATE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
DIBENZO(A,H)ANTHRACENE	U	450	UG/KG	R	UJ	470	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
DIBENZOFURAN	U	450	UG/KG	R	J	390	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
DIETHYL PHTHALATE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
DIMETHYL PHTHALATE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
DIPHENYLAMINE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
ETHYL METHANESULFONATE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
FLUORANTHENE	J	280	UG/KG	R	J	11000	UG/KG	R		540	UG/KG	R	J	400	UG/KG	R
FLUORENE	U	450	UG/KG	R	U	620	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
HEXACHLOROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
HEXACHLOROBUTADIENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
HEXACHLOROCYCLOPENTADIENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
BENZYL ALCOHOL	U	1400	UG/KG	R	U	1400	UG/KG	R	U	930	UG/KG	R
BIS(2-CHLOROETHOXY)METHANE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
BIS(2-CHLOROETHYL)ETHER	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
BIS(2-CHLOROISOPROPYL)ETHER	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
BIS(2-ETHYLHEXYL)PHTHALATE	U	700	UG/KG	R	U	700	UG/KG	R		6700	UG/KG	R
BUTYL BENZYL PHTHALATE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
CARBAZOLE	U	700	UG/KG	R	U	700	UG/KG	R		940	UG/KG	R
CHLOROBENZILATE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
CHRYSENE	U	700	UG/KG	R	U	700	UG/KG	R		3700	UG/KG	R
DI-N-BUTYLPHTHALATE	U	700	UG/KG	R	U	700	UG/KG	R	J	150	UG/KG	R
DI-N-OCTYLPHTHALATE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
DIALLATE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
DIBENZO(A,H)ANTHRACENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
DIBENZOFURAN	U	700	UG/KG	R	U	700	UG/KG	R	J	210	UG/KG	R
DIETHYL PHTHALATE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
DIMETHYL PHTHALATE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
DIPHENYLAMINE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
ETHYL METHANESULFONATE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
FLUORANTHENE	J	420	UG/KG	R	J	130	UG/KG	R	J	8000	UG/KG	R
FLUORENE	U	700	UG/KG	R	U	700	UG/KG	R	J	360	UG/KG	R
HEXACHLOROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
HEXACHLOROBUTADIENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
HEXACHLOROCYCLOPENTADIENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D			
Sample ID:	098526				098527				098528				098529			
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEXACHLOROETHANE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
HEXACHLOROPHENE	U	4500	UG/KG	R	U	5200	UG/KG	R	U	4900	UG/KG	R	U	6600	UG/KG	R
HEXACHLOROPROPENE	U	900	UG/KG	R	U	1000	UG/KG	R	U	980	UG/KG	R	U	1300	UG/KG	R
INDENO(1,2,3-CD)PYRENE	U	450	UG/KG	R	U	2000	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ISODRIN	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ISOPHORONE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ISOSAFROLE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
KEPONE	U	4500	UG/KG	R	U	5200	UG/KG	R	U	4900	UG/KG	R	U	6600	UG/KG	R
METHAPYRILENE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
METHYL METHANESULFONATE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
METHYL PARATHION	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
N-NITROSO-DI-N-BUTYLAMINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
N-NITROSO-DI-N-PROPYLAMINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
N-NITROSODIMETHYLAMINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
N-NITROSODIPHENYLAMINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
N-NITROSOMETHYLETHYLAMINE	U	900	UG/KG	R	U	1000	UG/KG	R	U	980	UG/KG	R	U	1300	UG/KG	R
N-NITROSOMORPHOLINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
N-NITROSOPIPERIDINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
N-NITROSOPYRROLIDINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
NAPHTHALENE	U	450	UG/KG	R	J	170	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
NITROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
PARATHION	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
PENTACHLOROBENZENE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEXACHLOROETHANE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
HEXACHLOROPHENE	U	7000	UG/KG	R	U	7000	UG/KG	R	U	4700	UG/KG	R
HEXACHLOROPROPENE	U	1400	UG/KG	R	U	1400	UG/KG	R	U	930	UG/KG	R
INDENO(1,2,3-CD)PYRENE	U	700	UG/KG	R	U	700	UG/KG	R		930	UG/KG	R
ISODRIN	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
ISOPHORONE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
ISOSAFROLE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
KEPONE	U	7000	UG/KG	R	U	7000	UG/KG	R	U	4700	UG/KG	R
METHAPYRILENE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
METHYL METHANESULFONATE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
METHYL PARATHION	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
N-NITROSO-DI-N-BUTYLAMINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
N-NITROSO-DI-N-PROPYLAMINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
N-NITROSODIMETHYLAMINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
N-NITROSODIPHENYLAMINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
N-NITROSOMETHYLETHYLAMINE	U	1400	UG/KG	R	U	1400	UG/KG	R	U	930	UG/KG	R
N-NITROSOMORPHOLINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
N-NITROSOPIPERIDINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
N-NITROSOPYRROLIDINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
NAPHTHALENE	U	700	UG/KG	R	U	700	UG/KG	R	J	190	UG/KG	R
NITROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
PARATHION	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
PENTACHLOROBENZENE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R

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Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

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1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

51129

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
PENTACHLOROETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
PENTACHLORONITROBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
PENTACHLOROPHENOL	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
PHENACETIN	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
PHENANTHRENE	J	150	UG/KG	R	U	7800	UG/KG	R	J	310	UG/KG	R	J	270	UG/KG	R
PHENOL	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
PHORATE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
PRONAMIDE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
PYRENE	J	260	UG/KG	R		9600	UG/KG	R	J	380	UG/KG	R	J	310	UG/KG	R
PYRIDINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
SAFROLE	U	2300	UG/KG	R	U	2600	UG/KG	R	U	2400	UG/KG	R	U	3300	UG/KG	R
o,o,o-TRIETHYLPHOSPHOROTHIOATE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
o,o-DIETHYL-o,2-PYRAZINYLPHOSE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
o-TOLUIDINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
p-DIMETHYLAMINOAZOBENZENE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
1,1,1,2-TETRACHLOROETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,1,1-TRICHLOROETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,1,2,2-TETRACHLOROETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,1,2-TRICHLOROETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,1-DICHLOROETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,1-DICHLOROETHENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,2,3-TRICHLOROPROPANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,2-DIBROMO-3-CHLOROPROPANE	U	14	UG/KG	R	U	16	UG/KG	R	U	15	UG/KG	R	U	21	UG/KG	R

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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
PENTACHLOROETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
PENTACHLORONITROBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
PENTACHLOROPHENOL	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
PHENACETIN	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
PHENANTHRENE	J	230	UG/KG	R	U	700	UG/KG	R		5600	UG/KG	R
PHENOL	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
PHORATE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
PRONAMIDE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
PYRENE	J	300	UG/KG	R	J	110	UG/KG	R		7700	UG/KG	R
PYRIDINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
SAFROLE	U	3500	UG/KG	R	U	3500	UG/KG	R	U	2300	UG/KG	R
o,o,o-TRIETHYLPHOSPHOROTHIOATE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
o,o-DIETHYL-o,2-PYRAZINYLPHOSE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
o-TOLUIDINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
p-DIMETHYLAMINOAZOBENZENE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
1,1,1,2-TETRACHLOROETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,1,1-TRICHLOROETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,1,2,2-TETRACHLOROETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,1,2-TRICHLOROETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,1-DICHLOROETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,1-DICHLOROETHENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,2,3-TRICHLOROPROPANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,2-DIBROMO-3-CHLOROPROPANE	U	21	UG/KG	R	U	21	UG/KG	R	U	15	UG/KG	R

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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1226
51 29

1997

5128

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-A				CW-B				CW-C				CW-D		
Sample ID:	098526				098527				098528				098529		
Sample Date:	09/01/92				09/01/92				09/01/92				09/01/92		
Top Depth (ft):	11.0				11.0				11.0				11.0		
Bottom Depth (ft):	13.0				13.0				13.0				13.0		
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-DIBROMOETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,2-DICHLOROETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,2-DICHLOROETHENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,2-DICHLOROPROPANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,3-DICHLOROPROPENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,4-DICHLORO-2-BUTENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
1,4-DIOXANE	U	210	UG/KG	R	U	240	UG/KG	R	U	220	UG/KG	R	U	310	UG/KG	R
2-BUTANONE		6	UG/KG	R	U	160	UG/KG	R	J	6	UG/KG	R	U	210	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	14	UG/KG	R	U	16	UG/KG	R	U	15	UG/KG	R	U	21	UG/KG	R
2-HEXANONE	U	69	UG/KG	R	U	80	UG/KG	R	U	73	UG/KG	R	U	100	UG/KG	R
4-METHYL-2-PENTANONE	U	69	UG/KG	R	U	80	UG/KG	R	U	73	UG/KG	R	U	100	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE	U	450	UG/KG	R	U	520	UG/KG	R	U	490	UG/KG	R	U	660	UG/KG	R
ACETONE		1600	UG/KG	R		170	UG/KG	R		10000	UG/KG	R		1700	UG/KG	R
ACETONITRILE	U	140	UG/KG	R	U	160	UG/KG	R	U	150	UG/KG	R	U	210	UG/KG	R
ACROLEIN	U	69	UG/KG	R	U	80	UG/KG	R	U	73	UG/KG	R	U	100	UG/KG	R
ACRYLONITRILE	U	69	UG/KG	R	U	80	UG/KG	R	U	73	UG/KG	R	U	100	UG/KG	R
ALLYL CHLORIDE	U	140	UG/KG	R	U	160	UG/KG	R	U	150	UG/KG	R	U	210	UG/KG	R
BENZENE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
BROMODICHLOROMETHANE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
BROMOFORM	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
BROMOMETHANE	U	14	UG/KG	R	U	16	UG/KG	R	U	15	UG/KG	R	U	21	UG/KG	R
CARBON DISULFIDE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R
CARBON TETRACHLORIDE	U	7	UG/KG	R	U	8	UG/KG	R	U	7	UG/KG	R	U	10	UG/KG	R

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VQ = Validated Qualifier (See list at front of Appendices)
TCLP = Toxicity Characteristic Leaching Procedure
U = Undetected
J = Estimated
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Submittal Date: 08-Feb-94
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FEMP OU1RI-5 USEPA

1992 RI/FS - Pit CLEARWELL
Pit Material Organic Results

Well/Boring:	CW-E				CW-F				CW-B			
Sample ID:	098530				098531				098532			
Sample Date:	09/01/92				09/01/92				09/01/92			
Top Depth (ft):	11.0				11.0				11.0			
Bottom Depth (ft):	13.0				13.0				13.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
1,2-DIBROMOETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,2-DICHLOROETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,2-DICHLOROETHENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,2-DICHLOROPROPANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,3-DICHLOROPROPENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,4-DICHLORO-2-BUTENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
1,4-DIOXANE	U	310	UG/KG	R	U	320	UG/KG	R	U	220	UG/KG	R
2-BUTANONE	J	16	UG/KG	R	U	210	UG/KG	R	J	8	UG/KG	R
2-CHLOROETHYL VINYL ETHER	U	21	UG/KG	R	U	21	UG/KG	R	U	15	UG/KG	R
2-HEXANONE	U	100	UG/KG	R	U	110	UG/KG	R	U	74	UG/KG	R
4-METHYL-2-PENTANONE	U	100	UG/KG	R	U	110	UG/KG	R	U	74	UG/KG	R
A,A-DIMETHYLPHENETHYLAMINE	U	700	UG/KG	R	U	700	UG/KG	R	U	470	UG/KG	R
ACETONE		4100	UG/KG	R		2700	UG/KG	R		5600	UG/KG	R
ACETONITRILE	U	210	UG/KG	R	U	210	UG/KG	R	U	150	UG/KG	R
ACROLEIN	U	100	UG/KG	R	U	110	UG/KG	R	U	74	UG/KG	R
ACRYLONITRILE	U	100	UG/KG	R	U	110	UG/KG	R	U	74	UG/KG	R
ALLYL CHLORIDE	U	210	UG/KG	R	U	210	UG/KG	R	U	150	UG/KG	R
BENZENE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
BROMODICHLOROMETHANE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
BROMOFORM	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R
BROMOMETHANE	U	21	UG/KG	R	U	21	UG/KG	R	U	15	UG/KG	R
CARBON DISULFIDE	U	15	UG/KG	R	U	26	UG/KG	R	U	7	UG/KG	R
CARBON TETRACHLORIDE	U	10	UG/KG	R	U	11	UG/KG	R	U	7	UG/KG	R

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Submittal Date: 08-Feb-94
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A.8.1.4

CLEARWELL
PIT MATERIAL
EXTRACTION PROCEDURE TOXICITY RESULTS

Characterization Investigation Study - Pit 8
Extraction Procedure Toxicity Data

Well/Boring:	08-02			08-03			08-04			08-01		
Chemical Parameters Sample ID:	PS-08-002			PS-08-004			PS-08-006			PS-08-007		
Sample Date:	4/23/87			4/23/87			4/23/87			4/23/87		
Top Depth (ft):	NA			NA			NA			NA		
Bottom Depth (ft):	NA			NA			NA			NA		
	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit	LQ	Result	Unit
IGNITABILITY		>800	DEG F		>800	DEG F		>800	DEG F		>800	DEG F
CORROSIVITY		7.10	PHU		7.20	PHU		6.90	PHU		7.00	PHU
REACTIVITY (SULFIDE)	U	0.46	MG/KG	U	1.0	MG/KG	U	0.86	MG/KG	U	1.1	MG/KG
SILVER, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
ARSENIC, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
BARIUM, EP LEACHATE		2610	UG/L	U	1000	UG/L		1220	UG/L		1320	UG/L
CADMIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L
CHROMIUM, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
MERCURY, EP LEACHATE		0.32	UG/L		0.52	UG/L		1.3	UG/L		0.47	UG/L
LEAD, EP LEACHATE	U	500	UG/L	U	500	UG/L	U	500	UG/L	U	500	UG/L
SELENIUM, EP LEACHATE	U	100	UG/L	U	100	UG/L	U	100	UG/L	U	100	UG/L

Note: Data was not validated
DEG F = Degrees Farenheit
PHU = pH units
LQ = Laboratory qualifier
U = Undetected

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Submittal Date: 08-FEB-94
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A.8.2

CLEARWELL
PIT SURFACE WATER

A.8.2.1

CLEARWELL PIT SURFACE WATER RADIOLOGICAL RESULTS

Characterization Investigation Study - Pit CLEARWELL
Surface Water Radiological Results

Well/Boring:	08				08			
Sample ID:	SW-08-001				SW-08-002			
Sample Date:	05/06/87				05/07/87			
Top Depth (ft):	0.0				1.0			
Bottom Depth (ft):	2.5				5.0			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CESIUM-137	<	10	PCI/L	UJ	<	12	PCI/L	UJ
NEPTUNIUM-237			PCI/L	NV			PCI/L	NV
PLUTONIUM-238	<	0.4	PCI/L	UJ	<	0.3	PCI/L	UJ
PLUTONIUM-239/240	<	0.6	PCI/L	UJ	<	0.3	PCI/L	UJ
RADIUM-226		1.1	PCI/L	-		1.1	PCI/L	-
RADIUM-228	<	11	PCI/L	UJ	<	12	PCI/L	UJ
RUTHENIUM-106	<	90	PCI/L	UJ	<	66	PCI/L	UJ
STRONTIUM-90	<	2.0	PCI/L	UJ	<	3.0	PCI/L	UJ
TECHNETIUM-99		1980	PCI/L	-		4030	PCI/L	-
THORIUM-228			PCI/L	NV			PCI/L	NV
THORIUM-230	<	0.2	PCI/L	UJ		0.4	PCI/L	-
THORIUM-232	<	0.1	PCI/L	UJ	<	0.1	PCI/L	UJ
URANIUM-234		1900	PCI/L	-		1800	PCI/L	-
URANIUM-235		110	PCI/L	-		120	PCI/L	-
URANIUM-238		6200	PCI/L	-		5400	PCI/L	-

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A.8.2.2

CLEARWELL
PIT SURFACE WATER
INORGANIC RESULTS

Characterization Investigation Study - Pit CLEARWELL
Surface Water Inorganic Results

Well/Boring:	08				08			
Sample ID:	SW-08-001				SW-08-002			
Sample Date:	05/06/87				05/07/87			
Top Depth (ft):	0.0				1.0			
Bottom Depth (ft):	2.5				5.0			
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
CYANIDE	N	87	UG/L	J	UN	10	UG/L	UJ
ALUMINUM	U	51	UG/L	U	U	51	UG/L	U
ANTIMONY	UN	1.4	UG/L	UJ	UN	1.4	UG/L	UJ
ARSENIC		3.3	UG/L	J		4.2	UG/L	J
BARIUM	U	27	UG/L	U	U	27	UG/L	U
BERYLLIUM	U	1	UG/L	U	U	1	UG/L	U
CADMIUM	UN	1.9	UG/L	UJ	UN	1.9	UG/L	UJ
CALCIUM		86100	UG/L	-		112000	UG/L	-
CHROMIUM	U	4.4	UG/L	U	U	4.4	UG/L	U
COBALT	U	9.5	UG/L	U	U	9.5	UG/L	U
COPPER	E	19	UG/L	J	E	14	UG/L	J
IRON		33	UG/L	J		25	UG/L	-
LEAD	UN	1.1	UG/L	UJ	UN	1.1	UG/L	UJ
MAGNESIUM	N	94800	UG/L	J	N	155000	UG/L	J
MANGANESE	N	4	UG/L	J	N	20	UG/L	J
MERCURY	U	0.2	UG/L	UJ	U	0.2	UG/L	UJ
NICKEL	U	18	UG/L	U	U	18	UG/L	U
POTASSIUM	N	28000	UG/L	J	N	15000	UG/L	J
SELENIUM	N	3	UG/L	J	UN	1.7	UG/L	UJ
SILVER	N	14	UG/L	J	N	11	UG/L	J
SODIUM		264000	UG/L	-		504000	UG/L	-
THALLIUM	UN	1.1	UG/L	UJ	UN	1.1	UG/L	UJ

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Submittal Date: 08-Feb-94
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Characterization Investigation Study - Pit CLEARWELL
Surface Water Inorganic Results

Well/Boring:		08				08		
Sample ID:		SW-08-001				SW-08-002		
Sample Date:		05/06/87				05/07/87		
Top Depth (ft):		0.0				1.0		
Bottom Depth (ft):		2.5				5.0		
Parameters	LQ	Result	Unit	VQ	LQ	Result	Unit	VQ
VANADIUM		23	UG/L	J		513	UG/L	-
ZINC		47	UG/L	-		7	UG/L	J

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Submittal Date: 08-Feb-94
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A.8.2.3

CLEARWELL
PIT SURFACE WATER
ORGANIC RESULTS

Characterization Investigation Study - Pit CLEARWELL
Surface Water Organic Results

Well/Boring:	08				08			
Sample ID:	SW-08-001				SW-08-002			
Sample Date:	05/06/87				05/07/87			
Top Depth (ft):	0.0				1.0			
Bottom Depth (ft):	2.5				5.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
4,4-DDD	U	.2	UG/L	U	U	.4	UG/L	U
4,4-DDE	U	.2	UG/L	U	U	.4	UG/L	U
4,4-DDT	U	.2	UG/L	U	U	.4	UG/L	U
ALDRIN	U	.1	UG/L	U	U	.2	UG/L	U
ALPHA-BHC	U	.1	UG/L	U	U	.2	UG/L	U
AROCLOR 1016	U	1	UG/L	U	U	2	UG/L	U
AROCLOR 1221	U	1	UG/L	U	U	2	UG/L	U
AROCLOR 1232	U	1	UG/L	U	U	2	UG/L	U
AROCLOR 1242	U	1	UG/L	U	U	2	UG/L	U
AROCLOR 1248	U	1	UG/L	U	U	2	UG/L	U
AROCLOR 1254	U	2	UG/L	U	U	4	UG/L	U
AROCLOR 1260	U	2	UG/L	U	U	4	UG/L	U
BETA-BHC	U	.1	UG/L	U	U	.2	UG/L	U
CHLORDANE	U	1	UG/L	U	U	2	UG/L	U
DELTA-BHC	U	.1	UG/L	U	U	.2	UG/L	U
DIELDRIN	U	.1	UG/L	U	U	.2	UG/L	U
ENDOSULFAN I	U	.1	UG/L	U	U	.2	UG/L	U
ENDOSULFAN II	U	.2	UG/L	U	U	.4	UG/L	U
ENDOSULFAN SULFATE	U	.2	UG/L	U	U	.4	UG/L	U
ENDRIN	U	.2	UG/L	U	U	.4	UG/L	U
ENDRIN KETONE	U	.2	UG/L	U	U	.4	UG/L	U
GAMMA-BHC(Lindane)	U	.1	UG/L	U	U	.2	UG/L	U

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Characterization Investigation Study - Pit CLEARWELL
Surface Water Organic Results

Well/Boring:	08				08			
Sample ID:	SW-08-001				SW-08-002			
Sample Date:	05/06/87				05/07/87			
Top Depth (ft):	0.0				1.0			
Bottom Depth (ft):	2.5				5.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
HEPTACHLOR	U	.1	UG/L	U	U	.2	UG/L	U
HEPTACHLOR EPOXIDE	U	.1	UG/L	U	U	.2	UG/L	U
METHOXYCHLOR	U	1	UG/L	U	U	2	UG/L	U
TOXAPHENE	U	2	UG/L	U	U	4	UG/L	U
1,2,4-TRICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U
1,2-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U
1,3-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U
1,4-DICHLOROBENZENE	U	10	UG/L	U	U	10	UG/L	U
2,4,5-TRICHLOROPHENOL	U	50	UG/L	UJ	U	50	UG/L	UJ
2,4,6-TRICHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U
2,4-DICHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U
2,4-DIMETHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U
2,4-DINITROPHENOL	U	50	UG/L	U	U	50	UG/L	U
2,4-DINITROTOLUENE	U	10	UG/L	U	U	10	UG/L	U
2,6-DINITROTOLUENE	U	10	UG/L	U	U	10	UG/L	U
2-CHLORONAPHTHALENE	U	10	UG/L	U	U	10	UG/L	U
2-CHLOROPHENOL	U	10	UG/L	U	U	10	UG/L	U
2-METHYLNAPHTHALENE	U	10	UG/L	U	U	10	UG/L	U
2-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U
2-NITROANILINE	U	50	UG/L	U	U	50	UG/L	U
2-NITROPHENOL	U	10	UG/L	U	J	4	UG/L	J
3,3-DICHLOROBENZIDINE	U	20	UG/L	U	U	20	UG/L	U

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Submittal Date: 08-Feb-94
Print Date: 13-JAN-94
FEMP OU1RI-5 USEPA

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		08				08		
Sample ID:		SW-08-001				SW-08-002		
Sample Date:		05/06/87				05/07/87		
Top Depth (ft):		0.0				1.0		
Bottom Depth (ft):		2.5				5.0		
3-NITROANILINE	U	50	UG/L	U	U	50	UG/L	U
4,6-DINITRO-2-METHYLPHENOL	U	50	UG/L	U	U	50	UG/L	U
4-BROMOPHENYL PHENYL ETHER	U	10	UG/L	U	U	10	UG/L	U
4-CHLORO-3-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U
4-CHLOROANILINE	U	10	UG/L	U	U	10	UG/L	U
4-CHLOROPHENOL PHENYL ETHER	U	10	UG/L	UJ	U	10	UG/L	UJ
4-METHYLPHENOL	U	10	UG/L	U	U	10	UG/L	U
4-NITROANILINE	U	50	UG/L	U	U	50	UG/L	U
4-NITROPHENOL	U	50	UG/L	U	U	50	UG/L	U
ACENAPHTHENE	U	10	UG/L	U	U	10	UG/L	U
ACENAPHTHYLENE	U	10	UG/L	U	U	10	UG/L	U
ANTHRACENE	U	10	UG/L	U	U	10	UG/L	U
BENZO(A)ANTHRACENE	U	10	UG/L	U	U	10	UG/L	U
BENZO(A)PYRENE	U	10	UG/L	U	U	10	UG/L	U
BENZO(B)FLUORANTHENE	U	10	UG/L	U	U	10	UG/L	U
BENZO(G,H,I)PERYLENE	U	10	UG/L	U	U	10	UG/L	U
BENZO(K)FLUORANTHENE	U	10	UG/L	U	U	10	UG/L	U
BENZOIC ACID	U	50	UG/L	R	U	50	UG/L	R
BENZYL ALCOHOL	U	10	UG/L	U	U	10	UG/L	U
BIS(2-CHLOROETHOXY)METHANE	U	10	UG/L	U	U	10	UG/L	U
BIS(2-CHLOROETHYL)ETHER	U	10	UG/L	U	U	10	UG/L	U
BIS(2-CHLOROISOPROPYL)ETHER	U	10	UG/L	UJ	U	10	UG/L	UJ

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Characterization Investigation Study - Pit CLEARWELL
Surface Water Organic Results

Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
Well/Boring:		08				08		
Sample ID:		SW-08-001				SW-08-002		
Sample Date:		05/06/87				05/07/87		
Top Depth (ft):		0.0				1.0		
Bottom Depth (ft):		2.5				5.0		
BIS(2-ETHYLHEXYL)PHTHALATE	J	4	UG/L	UJ	U	10	UG/L	U
BUTYL BENZYL PHTHALATE	U	10	UG/L	U	U	10	UG/L	U
CHRYSENE	U	10	UG/L	U	U	10	UG/L	U
DI-N-BUTYLPHTHALATE	U	10	UG/L	U	J	10	UG/L	U
DI-N-OCTYLPHTHALATE	U	10	UG/L	U	U	10	UG/L	U
DIBENZO(A,H)ANTHRACENE	U	10	UG/L	U	U	10	UG/L	U
DIBENZOFURAN	U	10	UG/L	U	U	10	UG/L	U
DIETHYL PHTHALATE	U	10	UG/L	U	U	10	UG/L	U
DIMETHYL PHTHALATE	U	10	UG/L	U	U	10	UG/L	U
FLUORANTHENE	U	10	UG/L	U	U	10	UG/L	U
FLUORENE	U	10	UG/L	U	U	10	UG/L	U
HEXACHLOROBENZENE	U	10	UG/L	UJ	U	10	UG/L	UJ
HEXACHLOROBUTADIENE	U	10	UG/L	U	U	10	UG/L	U
HEXACHLOROCYCLOPENTADIENE	U	10	UG/L	UJ	U	10	UG/L	UJ
HEXACHLOROETHANE	U	10	UG/L	U	U	10	UG/L	U
INDENO(1,2,3-CD)PYRENE	U	10	UG/L	UJ	U	10	UG/L	UJ
ISOPHORONE	U	10	UG/L	UJ	U	10	UG/L	U
N-NITROSO-DI-N-PROPYLAMINE	U	10	UG/L	U	U	10	UG/L	UJ
N-NITROSODIPHENYLAMINE	U	10	UG/L	UJ	U	10	UG/L	U
NAPHTHALENE	U	10	UG/L	U	U	10	UG/L	U
NITROBENZENE	U	10	UG/L	UJ	U	10	UG/L	UJ
PENTACHLOROPHENOL	U	50	UG/L	U	U	50	UG/L	U

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Characterization Investigation Study - Pit CLEARWELL
Surface Water Organic Results

Well/Boring:	08				08			
Sample ID:	SW-08-001				SW-08-002			
Sample Date:	05/06/87				05/07/87			
Top Depth (ft):	0.0				1.0			
Bottom Depth (ft):	2.5				5.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
PHENANTHRENE	U	10	UG/L	U	U	10	UG/L	U
PHENOL	U	10	UG/L	U	U	10	UG/L	U
PYRENE	U	10	UG/L	U	U	10	UG/L	U
1,1,1-TRICHLOROETHANE	U	5	UG/L	UJ	U	5	UG/L	UJ
1,1,2,2-TETRACHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,1,2-TRICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,1-DICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,1-DICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U
1,2-DICHLOROETHANE	U	5	UG/L	U	U	5	UG/L	U
1,2-DICHLOROPROPANE	U	5	UG/L	U	U	5	UG/L	U
1,3-DICHLOROPROPENE	U	5	UG/L	U	U	5	UG/L	U
2-BUTANONE	U	10	UG/L	R	U	10	UG/L	R
2-CHLOROETHYL VINYL ETHER	U	10	UG/L	U	U	10	UG/L	U
2-HEXANONE	U	10	UG/L	UJ	U	10	UG/L	UJ
4-METHYL-2-PENTANONE	U	10	UG/L	U	U	10	UG/L	U
ACETONE	BJ	100	UG/L	UJ	B	520	UG/L	-
BENZENE	U	5	UG/L	U	U	5	UG/L	U
BROMODICHLOROMETHANE	U	5	UG/L	U	U	5	UG/L	U
BROMOFORM	U	5	UG/L	U	U	5	UG/L	U
BROMOMETHANE	U	10	UG/L	UJ	U	10	UG/L	UJ
CARBON DISULFIDE	U	5	UG/L	U	U	5	UG/L	U
CARBON TETRACHLORIDE	U	5	UG/L	UJ	U	5	UG/L	UJ

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Characterization Investigation Study - Pit CLEARWELL
Surface Water Organic Results

Well/Boring:	08				08			
Sample ID:	SW-08-001				SW-08-002			
Sample Date:	05/06/87				05/07/87			
Top Depth (ft):	0.0				1.0			
Bottom Depth (ft):	2.5				5.0			
Parameters	LQ	Result	Unit	VQ TCLP	LQ	Result	Unit	VQ TCLP
CHLOROBENZENE	U	5	UG/L	U	U	5	UG/L	U
CHLOROETHANE	U	10	UG/L	UJ	U	10	UG/L	UJ
CHLOROFORM	U	5	UG/L	U		7	UG/L	NV
CHLOROMETHANE	U	10	UG/L	U	U	10	UG/L	UJ
DIBROMOCHLOROMETHANE	U	5	UG/L	U	U	5	UG/L	U
ETHYLBENZENE	U	5	UG/L	U	U	5	UG/L	U
METHYLENE CHLORIDE	BJ	50	UG/L	UJ	BJ	50	UG/L	UJ
STYRENE	U	5	UG/L	U	U	5	UG/L	U
TETRACHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U
TOLUENE	U	5	UG/L	U	U	5	UG/L	U
TOTAL XYLENE	U	5	UG/L	U	U	5	UG/L	U
TRANS-1,2-DICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U
TRICHLOROETHENE	U	5	UG/L	U	U	5	UG/L	U
VINYL ACETATE	U	10	UG/L	U	U	10	UG/L	U
VINYL CHLORIDE	U	10	UG/L	U	U	10	UG/L	U

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