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**OHIO ENVIRONMENTAL PROTECTION AGENCY
DIRECTOR'S FINDINGS AND ORDERS AND
SECTION IV CONSENT DECREE REPORT -
TECHNICAL PROGRESS REPORT FOR JANUARY
1, 1994 THROUGH MARCH 31, 1994**

04/20/94

**DOE-1518-94
DOE-FN/OEPA
17
REPORT**



5485

Department of Energy
Fernald Environmental Management Project
P.O. Box 398705
Cincinnati, Ohio 45239-8705

APR 20 1994
DOE-1518-94

Mr. Thomas A. Winston, District Chief
Ohio Environmental Protection Agency
Southwest District Office
40 South Main Street
Dayton, OH 45402-2086

Dear Mr. Winston:

**OHIO ENVIRONMENTAL PROTECTION AGENCY DIRECTOR'S FINDINGS AND ORDERS AND
SECTION IV CONSENT DECREE REPORT - TECHNICAL PROGRESS REPORT FOR JANUARY 1,
1994 THROUGH MARCH 31, 1994**

Enclosed is the quarterly technical progress report describing Fernald Environmental Management Project (FEMP) progress with respect to compliance with the Stipulated Amended Consent Decree and the Ohio Environmental Protection Agency (OEPA) Director's Findings and Orders.

In addition to this report, Revised Table C-4 is enclosed which provides a list of all waste streams identified under the Stipulated Amended Consent Decree as well as waste streams identified as a result of routine Resource Conservation and Recovery Act (RCRA) determinations.

If you or your staff have any questions regarding this matter, please contact Ed Skintik at (513) 648-3151.

Sincerely,

Wally Quaid
J. Phil Hamric
Manager *for*

FN:Skintik

Enclosure: As Stated

cc w/enc:

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**OHIO ENVIRONMENTAL PROTECTION AGENCY
DIRECTOR'S FINDINGS AND ORDERS AND SECTION IV CONSENT DECREE
QUARTERLY TECHNICAL PROGRESS REPORT**

January 1, 1994 - March 31, 1994

Introduction

Section 4.13 of the Stipulated Amended Consent Decree requires that beginning October 20, 1990, and continuing on the twentieth day of every third month thereafter, DOE shall submit a quarterly technical progress report to Ohio EPA. In accordance with this section, the option of combining this report with ongoing reports being submitted pursuant to the Director's Findings and Orders issued June 4, 1987, is exercised.

This report describes activities at the Fernald Environmental Management Project (FEMP) from January 1, 1994 through March 31, 1994, and status as of March 31, 1994. The report contains two sections. Section I addresses outstanding commitments contained within the Stipulated Amended Consent Decree. Section II pertains to compliance with Section IV of the Consent Decree, and incorporates remaining outstanding items from the Ohio EPA Director's Findings and Orders that have not been addressed within the Consent Decree.

**OHIO ENVIRONMENTAL PROTECTION AGENCY
DIRECTOR'S FINDINGS AND ORDERS AND SECTION IV CONSENT DECREE
QUARTERLY TECHNICAL PROGRESS REPORT**

January 1, 1994 - March 31, 1994

Section I - Stipulated Amended Consent Decree

<u>Section</u>	<u>Activity</u>	<u>Status</u>
3.5.1.(d)(i)	Submit report on results and analysis for remaining drums identified under the Stipulated Amended Consent Decree by September 30, 1992.	COMPLETE. Sampling and analysis report was submitted to the Ohio EPA on September 25, 1992.
3.8(b)	Daily/weekly inspection of Plant 1 Pad.	ONGOING. Inspections are performed as required to meet the proposed requirements.
3.11	Report all Hazardous Waste Management Units (HWMU).	ONGOING. Investigation of the following HWMUs to change their status to Solid Waste Management Units (SWMUs) is underway: Primary Calciner, Hilco Oil Recovery Unit, Wheelabrator Shot Blaster, Biosurge Lagoon, and Tank Farm Sump. The oxidation furnace was determined to be a <u>HWMU</u> , not a SWMU as previously reported. Tank T-2 (thorium nitrate) is under investigation to determine if it is a HWMU.

OHIO ENVIRONMENTAL PROTECTION AGENCY
DIRECTOR'S FINDINGS AND ORDERS AND SECTION IV CONSENT DECREE
QUARTERLY TECHNICAL PROGRESS REPORT

January 1, 1994 - March 31, 1994

Section II - Consent Decree

<u>Section</u>	<u>Activity</u>	<u>Due Date</u>	<u>Status</u>
4.9	Perform cleanout of SWRB (when approximately 150,000 gallons of sediment is accumulated) at 24-month intervals on maintenance schedules approved in the SWRB PTI.	3/31/94	AS REQUIRED. The SWRB west chamber was inspected July 1993 and several leaks in the liner were noted. The integrity of the entire liner system is not in jeopardy. As part of the Federal Atomic Trades and Labor Council (FATLC) agreement, the solids removal and liner repair will be completed by the existing FEMP labor force. The solids will be pumped to Plant 8 via a new pipeline constructed for the SPIT project to transport filter backwash. The solids will be stored in dedicated tankage for processing through the existing Eimco vacuum filter with subsequent solids disposition to NTS. Completion of the solids removal and liner repair for the west basin is anticipated in the first half of CY 1994. The east chamber shows no indication of leaking. The sediment level in the east basin was measured in mid-March and indicated a maximum depth of six inches. The average depth measure was four inches. The actual volume of sediment will be determined upon completion of a grid system and associated depths.

**OHIO ENVIRONMENTAL PROTECTION AGENCY
DIRECTOR'S FINDINGS AND ORDERS AND SECTION IV CONSENT DECREE
QUARTERLY TECHNICAL PROGRESS REPORT**

January 1, 1994 - March 31, 1994

<u>Section</u>	<u>Activity</u>	<u>Due Date</u>	<u>Status</u>
4.9	Perform cleanout of BSL (when approximately 500,000 gallons of sediment is accumulated, but no more than once per year, as stated in the BSL PTI).	7/30/94	<u>AS REQUIRED.</u> The lagoon was evaluated for cleanout in July 1993. The volume of sediment was below the level requiring cleanout. The next survey is scheduled for July 1994.
4.11(a)	Implement a Best Management Practices (BMP) Plan after approval by Ohio EPA for control of wastes that may be discharged from the FEMP.	4/18/88	<u>ONGOING.</u> The Ohio EPA approved the BMP Plan on 7/10/89. Documentation for required actions is being reviewed to assure that all requirements of the plan has been satisfied. Follow-up actions are being identified based on this review.
4.11(b) DFO11	Maintain BMP Plan.		<u>ONGOING.</u> See previous item.
4.11(c)	Amended BMP whenever there is a change in the facility which has the potential to affect the discharging of waste.		<u>AS REQUIRED.</u> No amendments were required during the reporting period. The BMP committee has reviewed the plan to determine what modifications are needed. A comprehensive revision of the BMP Plan is presently in preparation. Issue of this revision to the Ohio EPA for approval is anticipated during CY1994.

**OHIO ENVIRONMENTAL PROTECTION AGENCY
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QUARTERLY TECHNICAL PROGRESS REPORT**

January 1, 1994 - March 31, 1994

<u>Section</u>	<u>Activity</u>	<u>Due Date</u>	<u>Status</u>
4.11(d) DFO 13	If requested by Ohio EPA, modify the BMP Plan within 45 days.		AS REQUIRED. No requests for modifications were received during the reporting period.
4.12	Modify the Zone of Influence Study Report within 30 days of Ohio EPA request.		AS REQUIRED. No requests for changes and/or additions to the report were received during the reporting period.
(DFO) 14(a)	Study the integrity of the FEMP outfall.		COMPLETE. A new effluent/outfall line was installed as part of Removal Action 3 - South Groundwater Contamination Plume. This task was identified as part of the work plan for Part 2 of the South Plume Removal Action submitted to the Ohio EPA. The new outfall line was designed to handle future FEMP remediation flows. The line was placed into operation on May 1, 1993. The existing line was subsequently removed from service and will be remediated in the future. Investigation of past possible leakage of the original outfall line is being done as a work plan addendum for Operable Unit 5.
4.14	Comply with any permits issued to DOE pursuant to ORC 6111.03 (J) with regard to sewage, industrial wastes or other wastes, and to comply with OAC 3745-31-02 and any permits issued pursuant to OAC 3745-31-02.		ONGOING. Compliance with issued permits is ongoing.

**OHIO ENVIRONMENTAL PROTECTION AGENCY
DIRECTOR'S FINDINGS AND ORDERS AND SECTION IV CONSENT DECREE
QUARTERLY TECHNICAL PROGRESS REPORT**

January 1, 1994 - March 31, 1994

1992 RCRA ANNUAL REPORT

There are no further revisions to the calendar year '92 RCRA Annual Report. The CY93 RCRA Annual Report was submitted to the Ohio EPA on February 28, 1994. If revisions to the CY93 report are required, they will be submitted with the next Ohio Environmental Protection Agency Director's Findings and Orders and Section IV Consent Decree Quarterly Technical Progress Report.

BORING LOGS

No borings conducted during the period of January 1, 1994 through March 31, 1994.

RCRA REGULATED HAZARDOUS WASTE STREAMS

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
12	AEROSOL PAINT CANS	D001	PK
46	BARIUM CHLORIDE LIQUID HEAT 980	D005	PK
47	BARIUM CHLORIDE (LIQUID HEAT 800)	D005	PK
69	BORING #1412	F002	PK
110	BARIUM CHLORIDE SOLUTION	D005	PK
157	WD-40 SPRAY CAN	D001	MSDS
160	SPEED E NAMEL SPRAY PAINT	D001	MSDS
162	KRYLON CAR COLOR SPRAY PAINT	D001	MSDS
163	AEROSOL PAINT	D001	MSDS
177	RAGS, GLOVES, PROTECTIVE COVERALLS, DOP, FORMULA 401	U107	MSDS
180	RAGS SOLVENT	F002	PK,8
183	WATER/GAS MIXTURE TANK #8	D001 D008 D018	PK
201	CRANKCASE OIL	D018	MSDS, PK
344	ITEK DEVELOPER (LIQUID)	D011	MSDS
345	KEROSENE FROM ABANDONED UNDERGROUND STORAGE TANKS 11 & 13	D001 D018	PK,MSDS,1,3,8,9
358	CAUSTIC SOLUTION (NaOH) FROM PLANT 8 RAFFINATE PROCESSING	D002 D019	PK,1,3,5,7,8,9
376	OILY RAGS, ABSORBENT PADS	F002	PK,1,3,5,9
379	SPENT 1,1,1-TRICHLOROETHANE	D008 D018 F001 F002	MSDS, PK
381	AEROSOL PAINT CANS	D001	MSDS
383	X-RAY FIXER & DEVELOPER, CLEAR LIQUID MODERATE ACIDIC	D011	MSDS
385	SPENT SOLVENTS	D018 F001 F002	PK,MSDS,7,8
386	FLOOR SUMP CLEANOUT SLUDGE	D019 D039 F001 F002	PK,1,3,7,8
387	OIL SOAKED RAGS	D010 D018 F002	MSDS, PK
388	USED OIL	D010 D018 F002	MSDS, PK
389	OILY RAGS FROM WATER TREATMENT AREA	D008 D009 D010	PK,1,3,5,9
390	OILY SEMI-SOLID	D005 D008 F001 F002	PK,1,4,7,8,9
391	WASTE AEROSOL PAINT CANS	D001	MSDS
392	DRY CELL ELECTRONIC STORAGE BATTERIES	D002 D006 D008	PK
393	LUBRICATING OIL FROM REDUCTION REMELT.	D008	1,3,8,9
395	PAINT THINNERS AND PAINT RESIDUES	D001 F002 F003 F005	PK
396	PAINT THINNER RAGS	F002 F003 F005	PK
397	1,1,1-TRICHLOROETHANE (CLEANING SOLVENT)	D018 F001 F002	MSDS, PK
398	NON-RECOVERABLE TRASH CONTAMINATED ABSORBANT PADS	D008 D009 F001	PK,MSDS,1,3,5,9
399	OILY RAGS, PADS AND TRASH FROM BOILER PLANT MACHINERY	D008 D039 F001	PK,1,3,5,9
400	USED OIL FROM MAINTENANCE	D001 D008 F001	PK,MSDS,1,4,8,9
402	USED OIL	D008 D018 F001 F002	PK
403	1,1,1-TRICHLOROETHANE RAGS	D018 F001 F002	PK
404	OILY RAGS	D008 D018 F002	PK
405	DRY CELL BATTERIES	D002 D009	PK
406	AEROSOL CANS	D001	MSDS
408	USED OIL FROM GEAR BOXES, LATHES, AND MOTORS	D005 D006 D008 F001	PK,1,3,7,8,9
410	OILY RAGS	F001 F002	PK,1,3,5,9
412	1,1,1-TRICHLOROETHANE	D001 D008 F001 F002	PK,MSDS,1,3,8,9
413	SPENT SOLVENT CONTAMINATED RAGS	D008 D039 F002	PK,1,3,5,9
414	USED OIL	D001 D006 D008 D009 D039 F001 F002	PK,1,3,8,9
415	OILY RAGS AND ABSORBENTS WD-40 AND VARIOUS OILS	D008 D018 F002	PK
418	SPENT ACETONE	D001 F003	PK,MSDS
419	XYLENE	D001 F003	MSDS, PK
421	METHANOL	D001 F003	PK,MSDS
422	SPENT METHYLENE CHLORIDE	F002	PK,MSDS
423	ELEMENTAL MERCURY	D009	MSDS
425	LABORATORY ACIDS (NITRIC AND CYCLOHEXANE)	D001 D002	PK
426	METHANOL AND CYCLOHEXANE MIXTURE	D001	PK
427	NICKEL-CADMIUM BATTERIES	D002 D008	PK
428	ACETONITRILE IN WATER	D001	MSDS
429	Hg BATTERIES	D002 D009	PK
432	MERCURY THERMOMETER SPILL CLEAN-UP MATERIALS FROM LAB	D008 D008 D009	MSDS,PK,4,5,9
433	AEROSOL SPRAY CANS PROPELLANT	D001	MSDS
434	SOLIDS CONTAMINATED BY LAB SAMPLES & MATERIALS	D004 D005 D006 D007 D008 D022 F002 F003	PK

TABLE C - 4

RCRA REGULATED HAZARDOUS WASTE STREAMS

REVISED:

31-Mar-

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
435	PAINT HYPALON COATING	D001	MSDS,PK
436	SEALANT POLYCHLOROPENE SOLUTION	D001	MSDS,PK
438	HYDRAULIC OIL FROM BALER IN DRUM RECONDITIONING	D018	PK,1,3,4,7,8,9
455	UNLABELED DRUM CONTAINING 1,1,1 TRICHLOROETHANE	D001 F001	MSDS,PK,1,3,7,8,9
456	SOLVENT WASTES STORED ON PLANT 1 PAD	D007 D039 D040 F001 F002	PK,1,3,4,7,8,9
459	PAINT	D001 F001 F002	PK,1,4,8,9
460	LIQUID & SOLID WASTE SAMPLES	D004 D005 D006 D007 D008 D010 D018 F002	PK,1,3,7,8,9
468	OIL AND SOLVENTS W/ ANALYSIS	D001 D007 D008 D010 D018 F002	PK,1,3,7,8,9
473	ANTI-C PAPER COVERALLS & BOOTIES W/ LIME SLURRY	F001 F005	PK
476	LAB PACKED WATER AND RESIDUE SAMPLES	D007	PK,2,4
479	USED PAINT THINNER	D001 D008 D009 D035 F003 F005	PK,1,3,8,9
480	USED OIL	D018 F002	PK,1,3,7,9
485	KEROSENE	D001	MSDS,PK,1,3,7,8,9
486	TETRACHLOROETHYLENE SPILL CLEANUP	U210	MSDS
487	RAIN WATER FROM UST #8 FORMERLY STORING GASOLINE	D008 D018	PK
507	CONTAMINATED SOLVENT GENERATED IN THE PILOT PLANT (MEK)	D001 D035 F005	MSDS,PK,1,3,7,8,9
508	UNUSED PAINT THINNER	D001 D035	PK,1,4,7,8,9
514	PAINT WASTE FROM PAINTING BOOTH	D001 D007 D008 F002 F003 F005	PK,1,4,7,8,9
517	OIL DRY CONTAMINATED WITH OIL FROM BALER	D007 D008	PK,1,3,4,6,7,8,9
520	PETROLEUM PRODUCT WITH RAIN WATER	D018	MSDS, PK
524	IGNITIBLE LIQUID, UNKNOWN ORIGIN	D001	1,4,7,8,9
526	CONTAMINATED SOIL FROM PIT 5 HWMU AREA	F001 F002	PK,1,4,6,9
533	PAINT: GRAY EPOXY	D001 D008	PK,1,3,8,9
534	MEK MARKED ON DRUM BLUEDRUM FLAMMABLE	U159	MSDS, PK
538	BORING # 1508	D008 D007 D008	2,6,10,11,12
539	BORING # 1509	D004 D006 D007 D008	2,6,10,11,12
540	BORING # 1512	D004 D005 D006 D007 D008 D011	2,6,10,11,12
541	BORING # 1513	D005 D006 D007 D008	2,6,10,11,12
542	BORING # 1514	D004 D005 D006 D007 D008	2,6,10,11,12
543	BORING #1515, FROM THE FIRE TRAINING GROUNDS	D004 D005 D006 D007 D008	2,6,10,11,12
545	BORING # 1511	D004 D005 D006 D007	2,6,10,11,12
547	MISCELLANEOUS LEAD TOOLS PIPING, ETC...	D008	PK
548	LEAD - COUNTERWEIGHTS, BEARINGS	D008	PK
584	KEROSENE (DIESEL FUEL)/SLUDGE/WATER FROM PUMP UST #3	D018	PK
585	ZINC COMPOUND (AEROSOL)	D001	MSDS
587	GREASE AND WATER	D001	1,3,7,8,9
588	MERCO DRY AND OILY MERCO DRY	F002	PK,1,2,4,9
627	5-GAL CAN W/ SPILL CLEANOUT MATERIAL	F001	PK
628	SPILL CLEAN-UP MATERIALS	F001	PK
633	OIL FROM UNKNOWN GENERATION SOURCE	D007 D008 D009	PK,1,3,4,7,8,9
634	BUFFERED KCN SOLUTION (ABOUT 2 LITERS @ 30 G PER LITER)	P008	PK
635	MERCURY SPILL CLEAN-UP AND SPENT MERCURY BATTERIES	D009	PK
638	USED OIL	D018	PK
644	TRASH, PADS, RAGS, WATER	D008 D010	PK,1,3,5,7,8,9
658	CODED AS OIL - STRONG SOLVENT ODOR	D018	PK
659	LEAD AND WOOD SHAVINGS - UNKNOWN ORIGIN	D008	PK
661	BORING # 1594 - FROM NORTHWEST CORNER BLDG., 12	F001	PK,2,4,9,12
675	NON-EMPTY AEROSOL CANS, BUILDING 11	D001	MSDS
676	DRY CELL BATTERIES, BUILDING 12	D002 D006 D009	PK
677	NON-EMPTY AEROSOL CANS, BUILDING 12	D001	MSDS
696	KODAK ROYALPRINT ACTIVATOR	D002	MSDS,PK
697	ROYALPRINT STOP BATH	D002	MSDS,PK
700	MAGNESIUM FLAKE AND OILY RAGS	D003	PK
720	BORING #1261	F001	PK,2,4,9,12
743	CONTAINER OF PUMP OIL AND RAGS	F001	PK
757	BROWN PARTICULATE SOLID (DIRT AND RUBBLE)	D004 D007 D008 D018 D011	PK,1,4,9,11
768	DAAP/SOLVESCO MIXTURE	D001	PK,1,4,8
769	PAINT	D001	MSDS
772	RESPIRATOR CANISTER	D007 D011	MSDS

TABLE C - 4

5485

RCRA REGULATED HAZARDOUS WASTE STREAMS

REVISED: 31-Mar

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
776	BORING #1674, LOCATED INSIDE PILOT PLT ON NORTHWEST SIDE OF	F001	PK,2,4,9,12
777	USED AGITENE	D001 D006 F001 F002	PK,MSDS,1,4,7,8,9
817	PAINT CHIPS FROM SAND FILTERS AT WATER PLANT	D008	MSDS,4,9
818	OIL AND WATER FROM DRUM DECON. PAD	D001 D006	PK,1,3,7,8,9
819	BORING #1251	F001	PK,2,4,9,11,12
820	LEAD ACID BATTERIES	D002 D004 D006	MSDS
826	METHYL ISOBUTYL KETONE, LABPACKED	D001 U161	PK
827	SODIUM AMIDE, STABILIZED AND LABPACKED	D003	PK
828	1,4-DIOXANE, STABILIZED, LABPACKED	D001 U108	PK
844	URANYL NITRATE SOLUTION IN TANKS	D002 D005 D007	PK
850	PAINT WASTE FROM TANK FARM	D001 D035 F002 F003	PK
854	NI CD BATTERIES	D006	PK,1,3,4,7,8,9
855	MERCURY BATTERY	D009	MSDS
868	OILY WASTE AND SOLIDS, POSSIBLY FROM DRUM RECONDITIONING	D039	MSDS
870	VARNISH - UNUSED	D001	PK,1,3,4,7,8,9
873	SPENT FIXER	D011	MSDS
874	LEAD BRICKS, LEAD WINDOW SASHINGS, BABBIT HAMMER	D008	MSDS
876	METAL FRAMES FROM HEPA FILTERS	D006	PK
1058	DECANT WATER FROM NPR/AAF PRIMARY SEPARATOR	D001 D009	PK
1080	CADMIUM SPRINGS	D006	PK,1,3,7,8,9
1081	CADMIUM SPRINGS	D006	PK
1178	GROUNDWATER FROM WELL #2649	D007 F002	PK
1182	CLEAR DISPERSANT, TYPE (H) PREMIX - BLACK, CYAN, YELLOW & MAGENTA	D001	PK,2,4,7,9
1183	CLEAR DISPERSANT, TYPE (H) PREMIX, TYPE (H) CONCENTRATE	D001	MSDS
1184	CLEAR DISPERSANT, TYPE (H) PREMIX, TYPE (H) CONCENTRATE	D001	MSDS
1185	TYPE 028 FIX; CD-5 DEVELOPER	D011	MSDS
1187	SPENT ACTIVATED CARBON, FROM PERCHED WATER PROJECT	D040	MSDS
1199	MERCURY CONTAMINATED FLOOR TILE & PIPE INSULATION	D009	PK,MSDS
1229	CONTAMINATED SUMP WATER	D001 D008 D018 D019 D039 D040 F002 F003	PK
1251	FREON 11	U121	PK,2,4,7,8,9,11
1271	LEAD SOLDER JOINTS	D008	PK,MSDS,5
1272	MERCURY CONTAMINATED MATERIALS FROM SINK TRAPS IN LAB	D007 D008 D009	PK
1279	PLUTONIUM 239 SOLUTION	D002	PK,1,4,7,8,9,13
1281	LEAD BRICKS	D008	PK,9
1297	IPC 49806 ITEK UNIVERSAL DEVELOPER	D011	PK
1298	ITEK PC 49907 ITEK INSTACOLOR ACTIVATOR	D002 D011	MSDS,4
1306	SPILL CLEAN-UP FROM K-65 AREA	D001 D008	MSDS
1337	UNSPECIFIED IGNITIBLE LIQUID	D001	PK,1,3,5,7,8,9
1363	OILY SLUDGES FROM WWTS AREA	D005 D006 D007 D008 D009	1,3,7,8,9
1380	NON OILY SUMP CLEANOUT MATERIAL FROM PLANT & OPERATIONS	D007 D008	PK,1,4,5,7,8,9
1389	SCRAP U308 FROM OXIDATION FURNACE #1	F002	PK,1,4,5,9
1404	EXCAVATED SOIL FROM SPILL UNDER BLDG 64 LATHES	D008	MSDS,PK,1,4,5,9
1405	CLEANING AND WASH BATH WASTE FROM DECON. PAD	D008	MSDS,PK,1,3,7,8,9
1411	CONTAMINATED SOLVENT FROM PAINT SHOP	D001 D005 D007 D008 D009 D010 D011 D019 F002 F003 F005	PK,1,3,5,7,8,9
1412	USED SOLVENT: 1,1,1 TRICHLOROETHANE	D001 D006 D008 F001 F002	1,3,8,9
1414	OIL AND FUEL FROM GARAGE AREA	D001 D008	PK,1,3,6,9
1415	CONTAMINATED INSOLUBLE OIL	D001 F001 F002	PK,1,3,7,8,9
1421	OILY RAGS, PADS, GLOVES AND PLASTIC WITH GREASE	D008	PK,1,4,5,9
1423	CONTAMINATED INSOLUBLE OIL	D008 D009 D039 D040 F001 F002 F003 F005	PK,1,3,7,8,9
1425	CONTAMINATED RAGS PAPER POLYETHYLENE FROM RMI	D005 F001	PK,1,4,5,9
1426	SOLIDIFIED FURNACE SALT (CHLORIDE)	D005 D008	MSDS,PK,1,4,5,9
1427	MOP HEADS AND PADS CONTAMINATED WITH 1,1,1 - TRICHLOROETHANE	F002	PK,1,4,5,9
1428	SPILL CLEANUP MATERIAL FROM BLDG 79 RCRA STORAGE PAD	F001 F002	PK
1429	CONTAMINATED ORGANIC CHEMICAL SOLVENT	D001 D008 D018 D028 D035	PK,1,3,7,8,9
1430	PLASTIC SHEETING, GLOVES, FLOOR SWEEPINGS	D010	PK,1,3,4,5,7,8,9
1432	NON CHLORIDE CONTAMINATED SUMP LIQUOR (KEROSENE)	D001	1,3,7,8,9
1438	NON-OILY CLEANOUT SLUDGES FOR ROASTING	D039	PK,1,3,4,7,8,9
1447	SUMP WASTE FROM PLT 1 PAINTING BOOTH	D001 D008 F003 F005	PK,1,3,7,8,9
1462	CONTAMINATED WATER FROM CHEMICAL PIT #2 SURFACE CAP	D002	PK,1,3,7,8,9

TABLE C - 4

REVISED:

31-Mar

RCRA REGULATED HAZARDOUS WASTE STREAMS

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
1501	SPILL CLEANUPS OF OIL AND GAS FROM GASOLINE ENGINES	D018	MSDS
1504	FLAMMABLE PAINTS AND PAINT RELATED PRODUCTS	D001	MSDS
1532	BIODENITRIFICATION SURGE LAGOON SLUDGE	D018 D039	PK,2,4,7,9,11
1536	RAINWATER FROM WASTE PIT AREA	F001 F002	PK
1537	FILTER MATERIAL - SAND, GRAVEL, FLYASH	F001 F002	PK
1544	MAGNESIUM	D001 D003	PK
1550	URANIUM HEXAFLUORIDE AND URANIUM TETRAFLUORIDE	D003	MSDS
1560	BLACK OXIDE FROM CRUCIBLE BURNOUT	D004	MSDS
1575	URANYL NITRATE (UNH)	D001	PK
1585	LEAD ACID BATTERY (BROKEN)	D002 D008	MSDS
1589	RAFFINATES - NON-NEUTRALIZED	D001 D002	MSDS
1613	125 PROCESSOR CLEANER	D002	MSDS
1617	CONTAMINATED PPE, PLASTIC, TRASH (CONTACT WASTE)	F001 F003 F005	PK
1620	VEGETATION FROM THE ETF CLOSURE	F001 F002	PK
1621	HYDROCHLORIC ACID	D002 D006 D007 D008	PK,4,7
1622	NITRIC ACID	D002 D006 D007 D008	4
1665	ELECTROSTATIC MASTER LIQUID DEVELOPER	D001	MSDS
1667	ISOPROPYL ALCOHOL	D001	MSDS
1691	HYDROFLUORIC ACID	D002 U134	MSDS
1692	NITRIC ACID	D002 D007	PK,MSDS
1694	QC WATER BLANKS	D006 D009 D010 D011 D018 D039 D040	1,4,9
1705	LAB GENERATED WASTE: OIL FROM TCLP EXTRACTS	D001 D004 D006 D008 D010	1,3,7,8,9
1706	LAB WASTE, TCLP EXTRACT	D018 D021 D035 D038 D039 D040 D043 F002 F005	PK,1,4,7,8,9
1707	LAB GENERATED WASTE, ACID DIGESTATES	D002 D007 D008 D019 D026 D039 F001 F002	PK,2,4,7,8,9,11,12
1708	LAB GENERATED WASTE, METHYLENE CHLORIDE EXTRACTS	F002	PK,2,4,7,8,9
1709	LAB GENERATED WASTE FLAMMABLE ORGANIC EXTRACTS	D001 D002	PK,2,4,7,8,9
1710	ORGANIC LIQUID WASTE	D001 D010 F002	PK,1,3,7,8,11,12
1711	METALS EXTRACTS AND DIGESTS	D002 D008 D009 D010 F001 F002 F005	PK,1,3,7,8,11,12
1712	DIGEST FROM MERCURY LAB WASTE	D002 D008 D010	1,3,7,8,11,12
1713	OIL FROM TCLP EXTRACTS	D040 F001 F002 F005	PK,1,3,8,11,12
1714	VOLATILE SOLID WASTE	D010	2,4,11,12
1715	CONTACT WASTE (LAB GENERATED WASTE)	D004 D008 D010	2,4,7,11,12
1716	LAB GENERATED WASTE, CONTACT WASTE SOLID	F001 F002 F005	PK,1,4,11,12
1725	LUBRICATING OIL FROM GASOLINE ENGINES	D018	MSDS
1728	CRANKCASE OIL	D018	MSDS
1729	GASOLINE	D001 D008 D018	1,3,5-9
1731	LEAD	D008	PK
1737	HARDENER	D002	MSDS
1740	(DOP) DI OCTYL PHTHALATE	U107	PK
1751	SPENT FIXER	D011	MSDS
1764	MULTILITH BLANKROLA SOLVENT	D039	MSDS
1773	CONCENTRATE FIXER	D011	PK
1775	DEGLAZING SOLVENT	F002	PK,MSDS
1789	UNH	D004 D006 D007 D008 D010	4,7,9,13
1799	USED MINERAL SPIRITS	D001 D018	MSDS
1815	SPENT FUELS	D001 D018	MSDS
1819	WHATMAN RAD-CON	D001	MSDS
1822	SPRAY ADHESIVE	D001	MSDS
1829	AEROSOL PAINT	D001	MSDS
1841	SOIL	F001 F002	PK,1,8,11
1842	GRASS ON THE SOIL	F001 F002	PK,1,8,11
1848	BUFFER SOLUTIONS PH 1 & 2	D002	MSDS
1856	SOLVENT CONTAINING MATERIAL, NON-SPECIFIC ORIGIN	F001 F002	PK,1,4,9
1895	PAINT BRUSHES WITH DRIED PAINT	D007 D008	PK
1904	CENOLLO E100 OVERNIGHT SPRAY	D001	MSDS
1906	HF TANK CLEAN-OUT MATERIAL	U134	PK,MSDS,5
1922	LEAD SHIELDING FROM X-RAY SYSTEM	D008	PK
1927	METALS EXTRACTS AND DIGESTS (IGNITABLE)(LAB GENERATED WASTE)	D001 D002 D008 D009 D010 F001 F002 F003 F005	PK,1,3,7,8,11,12
1928	COMPUBLEND CLEANING LIQUID (IGNITABLE)	D001	MSDS

- 5485

TABLE C - 4

REVISED: 31-Mar-

RCRA REGULATED HAZARDOUS WASTE STREAMS

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
1937	COMPUBLEND CLEANING LIQUID (CORROSIVE)	D002	MSDS
1938	LIQUID SOLVENT WASTE FROM PAINT BOOTH SUMP	D007 D008 D010 F005	PK,1,3,7,8,9
1946	SOIL CUTTINGS FROM OUTDOOR FIRING RANGE	D008	1,4,9,11
1949	DRAW TEMP 275	D001	PK,MSDS,5
1952	TBP & KEROSENE DAAP & SOLVLESSO	D001 D008	1,4,8
1969	FLAMMABLE AEROSOLS	D001 D007 D008 D018 D019 D035 D039	MSDS
1973	ETHOXYETHANOL, MIBK, METHOXYETHANOL, 1,4 DIOXANE, ETHYL ETHER	D001 U108 U117 U161 U213 U359	PK
1974	ANHYDROUS ETHER, STABILIZED	D001 U117	PK
1975	PVC PIPING FROM PLT 6 PERCHED WATER EXTRACTION PROJECT	F001	PK,2,4,9,10,11,12
1987	LEAD & DEBRIS	D008	PK
1998	METHANOL AND CYCLOHEXANE	D001 F003	PK,MSDS
1999	NESSLER, REAGENT, COD DIGESTION SOLUTION ROCHELLE SALT	D002 D007 D009 D011	PK,MSDS
2006	CURING COMPOUND	D001	MSDS
2014	EPOXY-PRIME COAT LDC-1000	D001 D035	MSDS
2016	PAINT BITUMASTIC 300 M A & B COLD TAR COATING	D001 D018 D026	MSDS
2021	BARIUM CARBONATE	D005	MSDS
2024	PAINT	D005	MSDS
2036	SAVIN PRODUCT CODE 4537 T-D PAK 4522 SAVIN 765 DISPERSANT	D001	MSDS
2037	SAVIN PRODUCT CODE 4536	D001	MSDS
2053	SILVER THIOSULFATE	D011	MSDS,PK
2063	ITEXO CORP. TEXOL-7	D001	MSDS
2064	DIVERSEY SUPER MUL SOLVENT CLEANER	D001	MSDS
2066	VESTAL DOUBLE BARREL CLEANER	D002	MSDS
2067	STATE ACIDINE ACID SCALE AND RUST REMOVER	D002	PK,MSDS
2068	STATE NO. 810 ALUMINUM BRIGHTENER	D002	MSDS
2069	SKC OXIDIZER TUBES	D007	PK,MSDS
2090	VARIOUS AA LAMPS	D005 D006 D008	PK,4
2120	LITHIUM BATTERIES	D003	PK,MSDS
2210	HYDROGEN PEROXIDE SOLUTION	D001	PK,MSDS
2211	USED MERCURY FROM MISC. EQUIPMENT	D009	PK,MSDS
2224	FLOOR COATING BASE	D001	PK,MSDS
2235	LAB GENERATED WASTE ORGANIC LIQUID WASTE	D010 F002	PK,1,3,7,8
2257	TCLP EXTRACTS LAB GENERATED WASTE	D002	PK,3,7,8
2259	TCLP LEACHATE	D009 F001 F002	PK,5
2362	RADIOACTIVE ACIDIC LAB WASTE FROM THE ANALYSIS OF SAMPLES	D002 D007 D008 D018 D035 D039 D040	PK,1,3,7,8,9,11
2363	RADIOACTIVE CAUSTIC LAB WASTE FROM THE ANALYSIS OF SAMPLES	D001 D002 D006 D008 D009 D018 D035 D038 D039 D040	PK,1,3,7,8,9,11
2364	RADIOACTIVE NEUTRAL LAB WASTE FROM THE ANALYSIS OF SAMPLES	D001 D006 D007 D008 D018 D035 D039 D040	PK,1,3,7,8,9,11
2395	CONTACT WASTE FROM CTC LAB	D007 D008 D009 D039 F001 F002 F005	PK
2401	CONTACT WASTE FROM PACD SAMPLING	F001 F002 F003 F005	PK
2402	WATER USED TO CLEAN SAMPLING EQUIPMENT	F001 F002 F005	PK
2403	DIRT, ROCKS, AND WOOD WITH LIQUID; UNKNOWN SOURCE	D001	PK,1,3,4,5,7,8,9
2418	BROKEN GLASS AND OLD FLOURESCENT LIGHT BULBS	D009	PK,MSDS,5
2425	CTC CORROSIVE WASTE	D002 F001 F002 F005	PK
2443	TRASH AND DEBRIS FROM UNKNOWN SOURCE	D008	PK,1,4,5,9
2465	CONTAMINATED WATER/SUMP LIQUOR FROM UNKNOWN SOURCE	D001 D007 D008 D010	PK,1,3,7,8,9
2489	LAB PACK	PLCS	PK
2498	SUMP LIQUOR	D008 D012 D039 F002 F003	MSDS,PK,1,3,7,8,9,12
2499	CONCRETE ABANDONED PILOT PLANT SUMP	F002 F003	PK,1,4,9,13
2500	METAL TANK ABANDONED PILOT PLANT SUMP	F002 F003	PK
2501	SOILS ABANDONED PILOT PLANT SUMP	F002 F003	1,3,4,12
2507	PILOT PLANT SUMP (HWMU) BOTTOMS/SEDIMENT	D007 D008 D009 D039 F002 F003	MSDS,PK,1,4,9
2524	ALKALINE CONTAMINATED SUMP WATER FROM DECON. PAD	D002	PK,1,3,4,7,8
2527	PAPER, PLASTIC, PPE (TYVEK, SARANEX) ABSORBENT PADS	F002 F003	PK
2530	MAGNAFLUX CLEANER	F002	MSDS,PK
2578	LAB PACKS	PLCS	PK
2581	CONTAMINATED PALLETS	D039	MSDS,PK
10002	SCRAP SALTS	D005 D008	1,4,9
10003	OILY OXIDATION SLUDGES WITH HIGH FREE METAL	D001 D039 F001	1,4,7,8,9
10004	CONTAMINATED SOLVENT - TRICHLOR. PERCHLOR	D007 D018 D019 D021 D029 D039 D040 F001	PK,1,4,7,8,9

TABLE C - 4

- 5485

REVISED: 31-Mar

RCRA REGULATED HAZARDOUS WASTE STREAMS

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
10005	CONTAMINATED SOIL, ROCKS, BRICKS AND CERAMICS	D008	1,4,9
10006	CONTAMINATED OIL - INSOLUBLE	D008 D009 D039 F001	PK 1,4,7,8,9
10007	OILY SLUDGES	D007 F001	1,4,7,8,9
10009	SLUDGES - SOLVENT (TRICHLOR, PERCHLOR, ETC.)	D001 D008 D035 F005	1,4,7,8,9
10010	SLUDGES, OILY	D029 D039 D040 F001	PK 1,4,7,8,9
10011	CONTAMINATED BURNABLES	D005	PK 4
10012	CONTAMINATED BURNABLES	D029 D039 D040 F001	PK 1,4,9
10013	SUMP CAKE	D005 D007	1,4,7,9
10014	U-CONTAMINATED WATER	D039	1,4,9
10015	U-CONTAMINATED WATER FROM PILOT PLANT EXTRACTION AREA	D039	1,4,7,8,9
10016	OILY SLUDGE	D010 D035 F001	PK 1,4,7,8,9
10017	LINERS/GLOVES CONTAM. WITH ROOFING CPD AND DIESEL FUEL	D007 D010	MSDS 1,4,9
10018	CONTAMINATED SOIL AND ROCKS	D005 D008 D007 D008 D009	1,4,9
10021	SLUDGES, OILY	D008 D039 D040 F001	PK 1,4,7,8,9
10022	GRIT BLAST	D008	3,4,9
10023	NON-RECOVERABLE TRASH	D008 F001	PK 1,3,10
10024	TRASH CONT. TO SOLVENT	D018 F001	PK 1,4,9
10025	CONTAMINATED SOIL AND ROCKS	D005	4,9
10026	1,1,1 - TRICHLOROETHANE STILL BOTTOMS	D001 F001	PK 2,4,7,8,9
10027	CONTAMINATED OIL, INSOLUBLE	D039 D040 F001	MSDS, PK 1,4,7,8,9
10028	SLUDGES, OILY	D008 F001	PK 2,4
10029	CONTAMINATED INSOLUBLE OIL	D006 D007 D008 D019 D029 D040 F001	PK 1,4,7,8,9
10030	CONTAMINATED SOLVENTS (METHANOL)	D001 F003	PK
10031	FLOOR SUMP CLEANOUT SLUDGE	D029 D039 F001	PK 1,4,7,8,9
10032	CONTAMINATED OIL, INSOLUBLE	F001	PK 2,4
10034	BENZENE (LABPACKED)	D001 D018 U019	PK
10035	CARBON TETRACHLORIDE (LABPACKED)	D019 U211	PK
10038	ETHYL ETHER (LABPACKED)	D001 U117	PK
20003	DEGREASING SOLVENT	D001 D019 D022 D028 D029 D035 D039 D040 F001 F003 F005	PK 1,2,9,11
20006	OIL CONTAMINATED WET SUMP OR FILTER CAKE	F002	PK 1,4,7,8,9
20007	OIL CONTAMINATED WET SUMP OR FILTER CAKE	D011	1,4,7,8,9
20015	SCRAP SALTS AND FLOOR SWEEPINGS - LOW FLUORIDE	D007	1,4,9
20021	CONTAMINATED INSOLUBLE OIL	D019 D029 D039 D040 F001	PK 1,2,4,7,8,9
20024	SCRAP SALTS AND FLOOR SWEEPINGS - HIGH FLUORIDE	D007 D008	1,4,9
20027	DUST COLLECTOR RESIDUES - HIGH FLUORIDE	D004 D011	2,4,9,11
20028	CONTAMINATED OIL - INSOLUBLE	D039 D040 F001	PK 1,2,4,7,8,9,11
20031	CONTAMINATED OIL INSOLUBLE GEAR OIL, LUBRICATING OIL	D008 D018 D019 D028 D029 D039 D040 F002	PK 1,2,4,7,8,9
20033	PROCESS RESIDUES, TRAILER CAKES, SLURRIES, RAFFINATES	D008	1,4,9,11
20035	DUST COLLECTOR RESIDUES - HIGH FLUORIDE	D007	4,9
20038	SCRAP SALTS AND FLOOR SWEEPINGS - LOW FLUORIDE	F001	PK 2,4,9,11
20037	PROCESS RESIDUES, TRAILER CAKES, SLURRIES, RAFFINATES	D029	2,4,9,11
20038	CONTAMINATED OIL - INSOLUBLE	D006 D008 D018 D019 D028 D029 D039 D040 F002 F005	PK 1,2,4,7,8,9,11
20045	CONTAMINATED TBP AND/OR KEROSENE MIXTURES AND SLUDGES	D019 D022 D039 F002	PK 1,2,4,7,8,9,11
20046	NON-METALLIC MISCELLANEOUS SAMPLES	D007	1,4,9
20047	SCRAP SALTS AND FLOOR SWEEPINGS - LOW FLUORIDE	D004 D008	2,4,9,11
20048	PROCESS RESIDUES, TRAILER CAKES, SLURRIES, RAFFINATES	F005	PK 1,4,9
20053	CONTAMINATED SOIL, ROCKS, BRICKS AND CERAMICS	D007 D011	1,4,9
20054	CONTAMINATED SOLVENT - TRICHLOR, PERCHLOR	D019 D022 D028 D029 D039 F001 F005	PK 1,2,4,7,8,9
20055	CONTAMINATED OIL - INSOLUBLE	D029 D039 F002	PK 1,2,4,7,8,9,11
20058	DUST COLLECTOR RESIDUES - HIGH FLUORIDE	D006 D008	1,4,9
20062	CONTAMINATED BURNABLES	F001 F005	PK 1,4,9
20064	CONTAMINATED BURNABLES, RAGS, FILTER, CLOTH	D008 D011 F001	PK 1,4,7,8,9
20065	RAGS CONTAMINATED, TETRACHLOROETHYLENE SILVER	D011 D039	PK 1,4,9
20107	CONTAMINATED NON-BURNABLES	D008	1,4,9
20109	DUST COLLECTOR BAGS	D004 D006 D008	1,4,9
20114	CONTAMINATED BURNABLES	F001	PK 1,4,7,8,9
20120	DUST COLLECTOR BAGS	D007	1,4,7,8,9
20130	SAMPLES, NON-METALLIC	D005	1,4,7,8,9
20142	CONTAMINATED TBP - KEROSENE	D001 D019 D022 D039 F002 F003	PK 1,2,4,7,8,9,11

5405

TABLE C - 4

REVISED: 31-Mar

RCRA REGULATED HAZARDOUS WASTE STREAMS

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
20143	NON-RECOVERABLE TRASH	D011	1,4,7,8,9
20145	WET SUMP OR FILTER CAKE, OIL CONTAMINATED	D002 D007	1,4,7,8,9
20151	CONTAMINATED BRICKS, SOIL, ROCKS, SAND, ETC.	D004 D008 D011	1,4,9
30004	INCINERATOR CINDERS	F001	1,4,9
30005	OILY SLUDGES	D001 D019 D039 D040 F001 F003 F005	PK1,4,7,8,9
30009	SCRAP SALTS AND FLOOR SWEEPINGS - HIGH FLUORIDE	D008	4,9
30010	WET SUMP OR FILTER CAKE - OIL CONTAMINATED	D039 D040 F002	PK1,7,8,9
30018	WET SUMP OR FILTER CAKE - NON-OILY, NON-HALIDE	D039 F002	PK1,4,7,8,9
30026	NON-OILY CLEANOUT SLUDGES FOR ROASTING	D039 F002	PK1,4,7,8,9
30027	CONTAMINATED SOIL, ROCKS, BRICKS AND CERAMICS	D004 D005 D007 D008 D010 D011	1,2,4,7,8,9
30033	CONTAMINATED SOLVENT - TRICHLOR, PERCHLOR	D001 D039 F003 F005	PK1,4,7,8,9
30034	OIL CONTAMINATED WITH SOLVENTS (TANK S)	D018 F001	PK2,4,7,8,9
30036	DUST COLLECTOR RESIDUES - HIGH FLUORIDE	D006 D008	1,4,9
30037	PROCESS RESIDUES, TRAILER CAKES, SLURRIES, RAFFINATES	D039 F002	PK1,4,9
30039	CONTAMINATED ROCKS, SOIL, ETC., WITH NO FREE LIQUIDS	D011	1,2,4,7,8,9
30042	WET SUMP OR FILTER CAKE - NON-OILY, NON-HALIDE	D039 F002	PK1,4,9
30045	OILY SLUDGES, HIGH FREE METAL	D001	1,4,7,8,9
30046	NON-OILY CLEANOUT SLUDGES FOR ROASTING	D019 F001	1,4,7,8,9
30047	SOLVENT SLUDGE, TRICHLOR, PERCHLOR, ETC...	D007 D011	1,4,9
30051	NON-METALLIC MISCELLANEOUS SAMPLES	D001 D003	PK4
30053	PROCESS RESIDUES, TRAILER CAKES, SLURRIES, RAFFINATES	D008 D007 D008 D018 D040 F002 F005	PK1,4,9
30060	WET SUMP OR FILTER CAKE - NON-OILY, NON-HALIDE	D005	1,4,9
30065	CONTAMINATED NON-BURNABLES	D008	4,9
30074	CONTAMINATED NON-BURNABLES	F002	PK1,4,5,6,7,8,9
30075	CONTAMINATED NON-BURNABLES	F002	PK1,4,9
30080	CONTAMINATED SOIL, ROCKS, DEBRIS, W/FREE LIQUIDS CONTAINS	D002 D004 D007 D008 D011	1,2,4,7,8,9
30081	DISCARD PROCESS RESIDUES, TRAILER CAKES, SLURRIES, RAFFINATES	D002	1,4,9
30174	CONTAMINATED NON-BURNABLES	D004 D006 D011 F005	PK1,4,5,6,7,8,9
40122	THORIUM TRAILER CAKES; WASTE SLURRIES	D002 D005 D009	1,3,8
40137	UNFIRED REDUCTION CHARGES PLUS CaF2	D001	PK,MSDS
40152	SCRAP ThO2 - HIGH F	D005	4,5
40181	THORIUM NITRATE SOLUTION	D002 D007 D008	PK
40182	THORIUM NITRATE SOLUTION	D002 D007 D008	PK
40185	IMPURE THORIUM NITRATE (SOLID)	D001 D007 D008	PK
40186	IMPURE THORIUM NITRATE (SOLID)	D001 D007 D008	PK
40187	IMPURE THORIUM NITRATE (SOLID)	D001 D007 D008	PK
40188	IMPURE THORIUM NITRATE (SOLID)	D001 D007 D008	PK
40189	IMPURE THORIUM NITRATE (SOLID)	D001 D007 D008	PK
40192	ThO2 POWDER REFINERY FEED	D008	7
50002	NON-RECOVERABLE TRASH	D001 F003 F005	PK1,4,7,8,9
50008	SUMP CAKE - COPPER CONTAMINATED	D001	1,4,9
50010	NON-RECOVERABLE TRASH	F002 F005	PK1,4,7,8,9
50014	NON-RECOVERABLE TRASH	D019 F002	PK1,4,7,8,9
50022	CONTAMINATED WATER	D001 F003	PK1,4,7,8,9
50025	CONTAMINATED GRAPHITE	F001 F002	PK9
50031	CONTAMINATED METALLIC FILTER ELEMENTS	D008 D010	1,4,8,9
50036	CONTAMINATED BURNABLE	D007 F002	PK1,4,9
50056	DUST COLLECTOR BAGS	D007	1,4,9
50061	DUST COLLECTOR BAGS	D008	1,4,9
50063	ROASTED MG F2/OTHER MATERIAL	D004 D008	1,4,9
50066	NON-OILY SLUDGE FOR ROASTING	D001	1,4,7,8,9
50070	NON-OILY SLUDGE FOR ROASTING	D008 F001 F002	PK1,4,7,8,9
50071	SOLVENT SLUDGE	D001 D007	1,4,8,9
50072	CONTAMINATED SUMP WATER AND HYDRAULIC OIL	D001 D008 D019 D039 D040 F002 F003 F005	PK1,4,7,8,9
50079	INCINERATOR CINDERS	F002	4,9
50085	WET CAKE, NON-OILY/HALIDE	D001 F002 F003 F005	PK1,4,7,8,9
50089	CONTAMINATED MAGNESIUM	D001 D003	PK9
50090	CONTAMINATED MAGNESIUM	D001 D003	PK9
50091	DUST COLLECTOR RESIDUES -	D004 D008	4,9

NOTE: SEE FINAL PAGE FOR KEY TO DETERMINATION BASIS CODES

000015

TABLE C - 4

RCRA REGULATED HAZARDOUS WASTE STREAMS

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
50095	CONTAMINATED INSOLUBLE OIL	D007	1,4,7,8,9
50096	NONRECOVERABLE TRASH	D001 D007 F003	PK1,4,7,8,9
50098	CONTAMINATED SOIL, ROCKS, BRICKS AND CERAMICS	D008	1,4,9
50102	PROCESS RESIDUES, TRAILER CAKES, SLURRIES, RAFFINATES	D008 D008	1,4,9
50113	ROASTED CALCIUM-PRECIPIATED SUMP AND FILTER CAKES	F001	PK1,4,9
50129	SCRAP U3O8 - LOW F	F001	PK4,9
50131	SCRAP U3O8 - LOW F	F002	PK9
50139	U3O8, +8MESH, LOW F	D009	1,4,9
50148	SCRAP U3O8 HIGH F	D004	1,4,7,8,9
50152	SCRAP U3O8 OR ThO2, HIGH FLUORIDE	F002	PK9
50154	ROASTED CALCIUM-PRECIPIATED SUMP OR FILTER CAKES	F001	PK1,4,9
50185	ROASTED OFF-SITE SUMP CAKE	D007	4,9
50189	NON-OILY SLUDGE FOR ROASTING	D007	1,4,9
50170	SALT SLUDGE FOR PLANT 8	D004 D019 D039 F002	PK1,4,9
50173	SALT SLUDGE, CHLORIDE	D007	1,4,7,8,9
50174	SALT SLUDGE, CHLORIDE	D007	4,6,7,8,9
50175	SALT SLUDGE, CHLORIDE	F002	PK1,4,7,8,9
50177	FURNACE SALT, NON CHLORIDE	D001 D004 D008	4,7,8,9
50178	FURNACE SALT, NON-CHLORIDE	D001	4,7,8,9
50180	FURNACE SALT, NON-CHLORIDE	D007 D008 D010	1,4,9
50183	SCRAP SALTS, LOW F	F001	PK1,4,9
50185	SCRAP SALT, HIGH F	D009	4,9
50188	SCRAP SALTS, HIGH F	D004 D007 D008 D010	1,4,9
50197	SLUDGES FOR BLENDING	D007	1,2,6,7,8,9
50200	OILY SLUDGE FOR OXIDATION	D001 F001	1,4,7,8,9
50202	OILY SLUDGE FOR OXIDATION	D001 D010	1,4,7,8,9
50203	OILY SLUDGE FOR OXIDATION	D008	1,4,7,8,9
50204	OILY SLUDGE FOR OXIDATION	D001 D010	1,4,7,8,9
50293	U3O8 FOR REOXIDATION	D004	4,9
50314	SCRAP SALTS AND FLOOR SWEEPINGS - HIGH FLUORIDE	D010	1,4,9
50323	SOLIDIFIED FURNACE SALTS - NON-CHLORIDE	D004	4,7,8,9
50339	SLUDGES, OILY, FOR OXIDATION, HIGH FREE METAL	F002	PK1,4,7,8,9
50346	OILY SLUDGE FOR OXIDATION	D001	1,4,7,8,9
50347	DISCARD PROCESS RESIDUE	D001	1,4,7,8,9
50349	DUST COLLECTOR RESIDUES - HIGH FLORIDE	D008	1,4,9
50351	DUST COLLECTOR RESIDUES - HIGH FLORIDE	D004 D008	4,7,8,9
50355	DISCARD PROCESS RESIDUE	D001	1,4,7,8,9
50358	CONTAMINATED NON-BURNABLE	D001	1,4,7,8,9
50359	NON-RECOVERABLE TRASH	F002	PK1,4,6,9
50361	NON-RECOVERABLE TRASH	D009	9
50364	U3O8, +8MESH, LOW F	D007 F001 F002	PK4,5,9
50367	NON-RECOVERABLE TRASH	D008	PK9
50387	SALT SLUDGE, CHLORIDE	D005	4,9
50405	NON-RECOVERABLE TRASH	D006 D007	4,5,6,7,8,9
50408	FURNACE SALT, CHLORIDE	D004 D011	4,5,9
50407	NON-RECOVERABLE TRASH	D001	1,3,5,6,8,9
50408	FURNACE SALT NON-CHLORIDE	D008 D010	4,7,8,9
60068	CONTAMINATED INSOLUBLE OIL	D008 F001	1,4,7,8,9
60069	CONTAMINATED INSOLUBLE OIL	D008 F001	1,4,7,8,9
60119	SLUDGES, OILY, FOR OXIDATION HIGH FREE METAL	D001 F001 F002	PK1,2,4,5,6,7,8,9
60123	SOLVENT SEMISOLID	D039 F002	PK1,2,4,5,6,7,8,9
60140	STEEL SHOT	D010	PK1,4,9
60149	U3O8 FROM BOX FURNACE	F001 F002	PK1,4,9
60152	U3O8 ROTEXED PLANT 8 FURNACE PRODUCT	F001	PK1,4,9
60331	WATER/GAS MIXTURE TANK #9	D001 D018	1,4,7,8,9

000016

TABLE C - 4

5485

REVISED: 31-Mar-1

RCRA REGULATED HAZARDOUS WASTE STREAMS

WASTE ID #	WASTE NAME	U.S. EPA HAZARDOUS WASTE #	DETERMINATION BASIS
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Key to "Determination Basis" Codes :

PK Process Knowledge
MSDS Material Safety Data Sheet

ANALYSES:

- | | |
|------------------------------------|-------------------------------|
| 1 Total Volatile Organic | 8 Flash Point |
| 2 TCLP Volatile Organic | 9 U-Total, % U235 |
| 3 Total (TC) Metals | 10 PCBs |
| 4 TCLP Metals | 11 Total Semivolatile Organic |
| 5 Visual Inspection of Waste | 12 Total Pesticides |
| 6 Paint Filter Liquids Test (PFLT) | 13 Total Thorium |
| 7 pH | |

000017