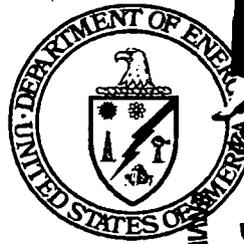


MOUND



**Environmental
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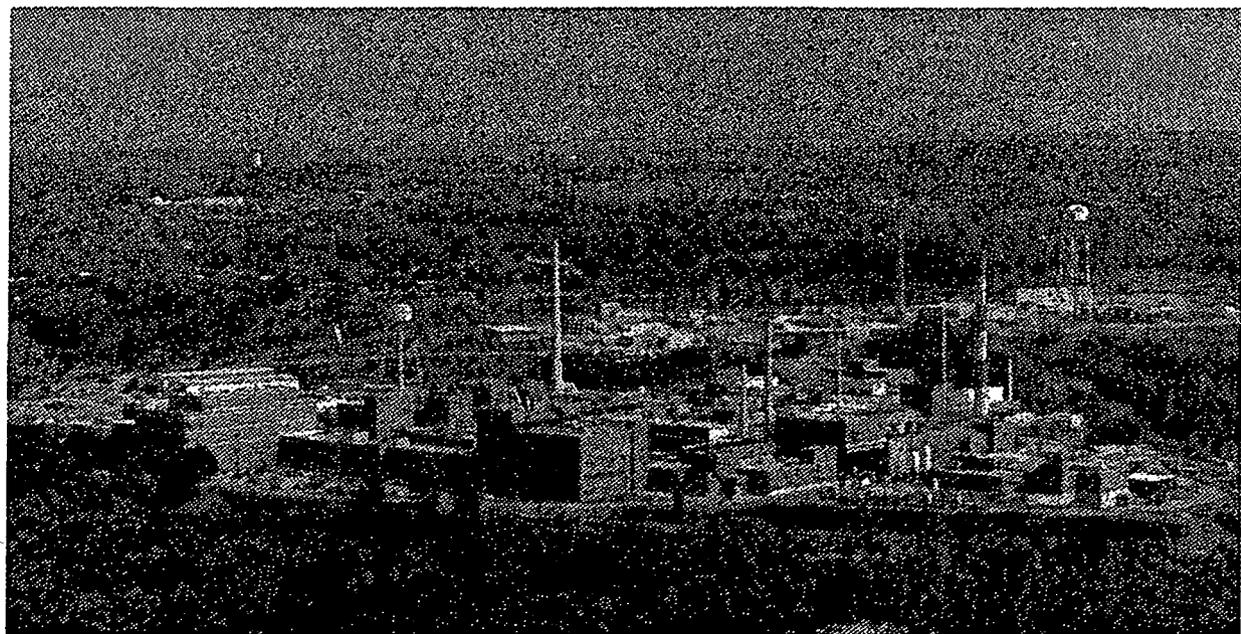


Ohio EPA

MOUND PLANT

Potential Release Site Package

PRS # 24



MOUND



Environmental
Restoration
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MOUND PLANT POTENTIAL RELEASE SITE PACKAGE

Notice of Public Review Period



The following potential release site (PRS) packages will be available for public review in the CERCLA Public Reading Room, 305 E. Central Ave., Miamisburg, Ohio beginning February 27, 1997. Public comment will be accepted on these packages from February 27, 1997, through April 3, 1997.

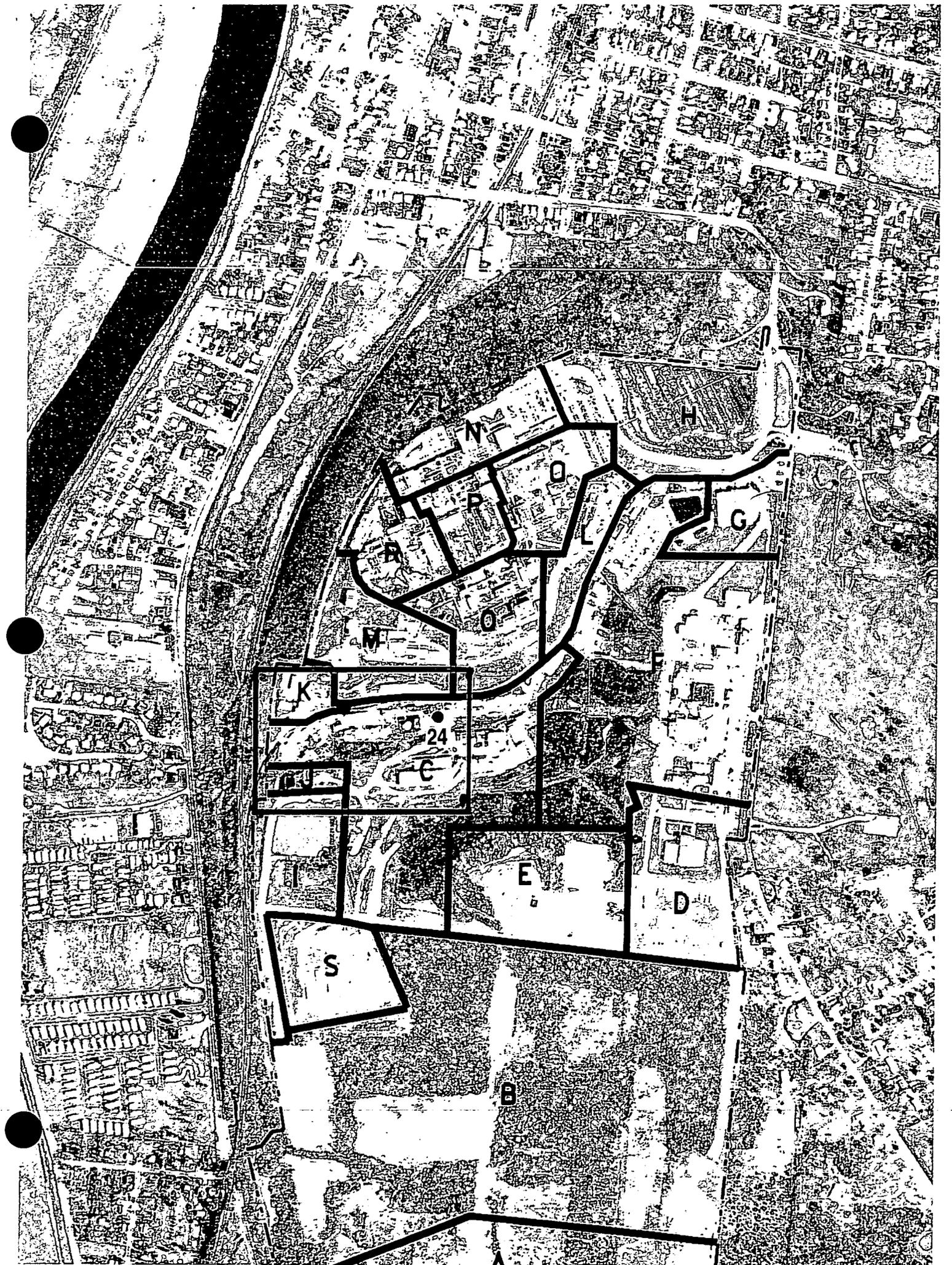
- PRS 13: Former Treatment Site - Trash Incinerator
- PRS 23: Solvent Waste Tank - Building 43, Settling Basin
- PRS 24: Solvent Storage Tank - Building 43
- PRS 358: Soil Contamination
- PRS 365: Soil Contamination
- PRS 366: Soil Contamination
- PRS 367: Soil Contamination
- PRS 390/393/394: Soil Contamination

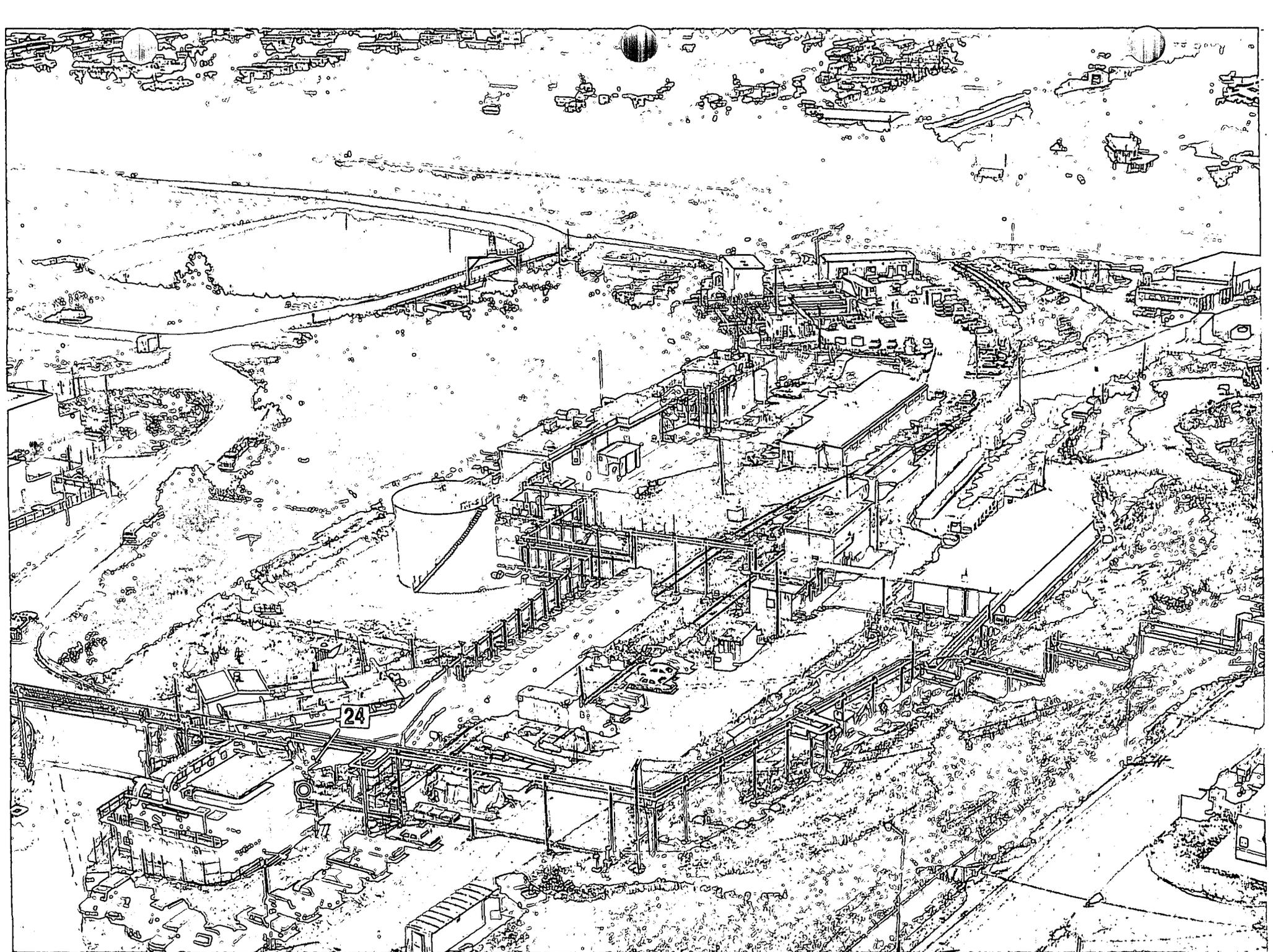
Questions can be referred to Mound's Community Relations at (937) 865-4140.

REV	DESCRIPTION	DATE
<p>0</p> <p>PUBLIC RELEASE</p>	<p>Available for comments.</p>	<p>Oct. 3, 1996</p>
<p>1</p> <p>FINAL</p>	<p>Comment period expired. No comments. Recommendation page annotated.</p>	<p>Apr. 7, 1997</p>



MOUND PLANT
Release Block C
Potential Release Site
PRS 24





PRS 24

PRS HISTORY:

PRS 24, the former Building 43 Solvent Storage Tank,¹ is located in the lower valley area, on the west side of Building 43. It was identified in the Mound Plant Underground Storage Tank Program Plan and Regulatory Status Review as a Solvent Tank (Tank 221)² originally constructed to store acetone or alcohol solvents for use in Building 43. The stainless-steel tank was never used. At the time of removal, in 1990, it still contained the water used during the original hydrostatic testing of the tank. No formal closure report was generated at the time of removal. The soils area just northeast of PRS 24 has a history of plutonium and thorium contamination and is addressed by PRS 75 (the Rail Siding).

CONTAMINATION:

In 1990, nine soil screening samples taken during removal of the tank showed a maximum thorium (Th-232) value of 1.5 pCi/g and a maximum plutonium (Pu-238) value of 42 pCi/g.⁴ The Mound Plant ALARA for Pu-238 is 25 pCi/g and the regulatory value for subsurface Th-232 is 15 pCi/g.⁵

The OU5, Operational Area Investigation, Non-AOC field investigation, conducted in 1994,³ included a field instrument for detection of low energy radiation (FIDLER) survey, surface soil sampling and analysis using the Mound Plant soil screening facility, and a passive soil gas survey to detect volatile and semi-volatile organic compounds (the PETREX soil gas methods indicate the relative presence of a substance, but do not yield a quantitative concentration of that substance). The OU5 survey included 3 wipes (for rad) and one soil gas sample (PETREX) in the vicinity of PRS 24. Results showed:

- No evidence of radionuclide contamination.
- Moderate readings (relative to other soil gas in the area) of total aromatic, petroleum and halogenated hydrocarbons. No evidence of semi-volatile hydrocarbons.

READING ROOM REFERENCES:

- 1) OU9, Site Scoping Report: Volume 12 - Site Summary Report, Final, December 1994. (pages 5-8.1)
- 2) Mound Plant Underground Storage Program Plan and Regulatory Status Review, Final, November 1992. (pages 9-13)
- 3) OU5, Operational Area Phase I Investigation, Non-AOC Field Report, Final, June 1995. (pages 14-18.3)

OTHER REFERENCES:

- 4) Soil Screening Facility Results, December 4, 1990. (pages 19-20)
- 5) Code of Federal Regulations, 40 CFR 192.12 and 40 CFR 192.41.

PREPARED BY:

Alexander Bray, Member of EG&G Technical Staff
Irwin D. Dumtschin, Member of EG&G Technical Staff

**MOUND PLANT
PRS 24
SOLVENT STORAGE TANK - BUILDING 43**

RECOMMENDATION:

PRS 24 was identified as a solvent storage tank (tank 221) that was constructed to store acetone or alcohol solvents for use in Building 43. The proposed use of Building 43, to purify explosive materials, never took place. The tank was never used. In fact, at the time of removal, in 1990, it still contained the water used during the original hydrostatic testing of the tank. Sampling conducted in 1990 and 1994 failed to detect radionuclides above 10^{-5} Risk Based Guideline Values. Therefore, NO FURTHER ASSESSMENT is recommended for PRS 23.

CONCURRENCE:

DOE/MB:

Arthur W. Kleinrath 12/18/96
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA:

Timothy J. Fischer 12/18/96
Timothy J. Fischer, Remedial Project Manager (date)

OEPA:

Brian K. Nickel 12/18/96
Brian K. Nickel, Project Manager (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 2/27/97 to 4/3/97

- No comments were received during the comment period.
- Comment responses can be found on page _____ of this package.

REFERENCE MATERIAL
PRS 24

ENVIRONMENTAL RESTORATION PROGRAM

**OPERABLE UNIT 9
SITE SCOPING REPORT:
VOLUME 12 - SITE SUMMARY REPORT**

**MOUND PLANT
MIAMISBURG, OHIO**

December 1994

**U.S. DEPARTMENT OF ENERGY
OHIO FIELD OFFICE**

**ENVIRONMENTAL RESTORATION PROGRAM
EG&G MOUND APPLIED TECHNOLOGIES**

FINAL

**Table V.4. Potential Release Sites not Recommended for ER,
D&D, or Operational Programs**

No.	Site Name	Status	Historic Activities		Comment
			Evidence of Release	Response Authority	
24	Building 43 Solvent Storage Tank (Tank 221)	Historical	No	NA	Never used Removed
30	Building 27 Diesel Fuel Storage Tank (Tank 123)	Historical	No	NA	Actually a propane tank
148	HH Building Solidification Unit	Historical	No	AEA	D&D early 1990s
149	HH Building Pilot incinerator	Historical	No	AEA	Removed early 1950s
170	Off-Gas Treatment System Leaf Solution Filter	Historical	No	NA	Removed 1988
171	Off-Gas Treatment System Iodine Absorption Filter	Historical	No	NA	Removed 1988
173	Cyclone Incinerator	Historical	No	AEA	D&D 1990
213	T Building Solidification Unit	Historical	No	AEA	D&D early 1970s
294	WS Building Solidification Unit	Historical	No	NA	D&D 1985
295	Building 38 Solid Radioactive Waste Compactors (2 units)	Historical	No	AEA	D&D 1988
301	Building 39 In-Line Incinerator	Historical	Yes	AEA	D&D 1988
303	Warehouse 14 (AKA Pad 14)	Grounds	No	AEA	
320	Dayton Unit I	Historical	No	NA	NM
321	Dayton Unit II	Historical	No	NA	NM
322	Dayton Unit III	Historical	Yes	FUSRAP	
323	Dayton Unit IV	Historical	Yes	FUSRAP	
324	Dayton Warehouse	Historical	No	NA	NS
325	Scioto Facility (Marion)	Historical	No	NA	Never used

- AEA - Atomic Energy Act of 1954
- D&D - Action to be taken by Mound Decommission and Decontamination Program
- FUSRAP - Formally Utilized Sites Remedial Action Program
- NM - Not Manhattan Project related
- NS - Nothing suspected from process knowledge

Table A.1. Comprehensive Tabulation of Potential Release Sites

Description of History and Nature of Waste Handling						Hazardous Conditions and Incidents			Environmental Data		
No.	Site Name	Location	Status	Potential Hazardous Substances	Ref	Releases	Media	Ref	Analytes ^a	Results	Ref
20	Building 34 Aviation Fuel Storage Tank (Tank 219)	H-5	Historical	Aviation fuel	3, 5, 18	Tank removed, VOC residuals		7, 18, 22	3, 4, 8, 6, 8	Tables B.6, B.7, and B.8	7, 22
21	Building 1 Leach Pit (Area I)	G-6	Surplus	Wastewater from explosives processes Organic solvents (primarily acetone)	1, 4, 5, 18	Suspected, not confirmed		7, 18	3, 4, 5, 6 14	Tables B.6, B.7, B.8, and B.9 RSS ^b Location 90504 (Appendix E in Ref. 6)	7 6
22	Building 1 Explosives Wastewater Settling Basin (Tank 200)	G-6	Surplus	Wastewater from explosives processes Organic solvents	3, 4, 5, 18	Suspected		7, 18	No Data		4
23	Building 43 Explosives Wastewater Settling Basin (Tank 201)	G-6	Surplus	Explosives production process wastes	3, 11	Suspected		7, 18	No Data		
24	Building 43 Solvent Storage Tank (Tank 221)	G-6	Never used Removed	None suspected (never used)	3	Suspected		7, 18	No Data		
25	Building 27 Leach Pit (Area I)	H-6	Surplus	Wastewater from explosives processes Organic solvents (primarily acetone)	1, 4, 5, 18	Suspected, not confirmed		7, 18	3, 4, 5, 6, 12	Tables B.6, B.7, and B.8	4, 7
26	Building 27 Concrete Flume (Tank 217)	G-6	Surplus	Wastewater from explosives processes Organic solvents (primarily acetone)	3, 5, 18	Suspected, not confirmed		7, 18	3, 4, 5, 6, 12	Tables B.6, B.7, and B.8	4, 7
27	Building 27 Settling Sump (Tank 218)	G-6	Surplus	Wastewater from explosives processes Organic solvents (primarily acetone)	3, 4, 5, 18	Suspected, not confirmed		7, 18	3, 4, 5, 6, 12	Tables B.6, B.7, and B.8	4, 7
28	Building 27 Solvent/Drum Storage Area	G-6	Surplus	Wastewater from explosives processes Organic solvents (acetone and ethanol)	4, 5, 18	Suspected, not confirmed		7, 18	3, 4, 5, 6, 12	Tables B.6, B.7, and B.8	7
29	Building 27 Filtration System	G-6	Inactive	Wastewater from explosives processes Organic solvents		Not Suspected		7, 18	No Data		

Table A.2. Assignment of Regulatory Authorities to Potential Release Sites and Recommendations for Further Action

No.	Site Name	Location	Status	Operational Jurisdiction			SWMU	Historic Activities		Further Action Recommended	FFA OU
				Regulated Units	Regulatory Authority	Spill Response		Evidence Of Release	Response Authority		
17	Oil Burn Structure	H-6	Inactive	/	NA	/	SWMU	Yes	CERCLA	Yes	5
18	Building 34, Fire Fighting Training Facility Pits	H-5	Inactive	Permit for open burn by RAPCA	CAA	/	SWMU	Yes	CERCLA	Yes	5
19	Building 34, Historical Firefighting Training Pit	H-5	Historical	/	NA	/	SWMU	Yes	CERCLA	Yes	5
20	Building 34 Aviation Fuel Storage Tank (Tank 219)	H-5	Historical	/	/	FFA	SWMU	Yes	CERCLA	No	5
21	Building 1 Leach Pit (Area I)	G-6	Surplus	/	NA	/	SWMU	No	CERCLA	No	5
22	Building 1 Explosives Wastewater Settling Basin (AKA Building 1 Sump) (Tank 200)	G-6	Surplus	/	NA	/	SWMU	No	CERCLA	No	5
23	Building 43 Explosives Wastewater Settling Basin (AKA Building 43 Sump) (Tank 201)	G-6	Surplus	/	NA	/	SWMU	No	CERCLA	No	5
24	Building 43 Solvent Storage Tank (Tank 221)	G-6	Never Used removed	/	NA	/	/	No	NA	No	/
25	Building 27 Leach Pit (Area I)	H-6	Surplus	/	NA	/	SWMU	No	CERCLA	No	5
26	Building 27 Concrete Flume (Tank 217)	G-6	Surplus	/	NA	/	SWMU	No	CERCLA	No	5
27	Building 27 Settling Sump (Tank 218)	G-6	Surplus	/	NA	/	SWMU	No	CERCLA	No	5
28	Building 27 Solvent/Drum Storage Area	G-6	Surplus	/	NA	/	SWMU	No	CERCLA	No	5
29	Building 27 Filtration System	G-6	Inactive	Included in RCRA Part B permit application	RCRA	RCRA	SWMU	No	NA	OM	/
30	Building 27 Diesel Fuel Storage Tank (Tank 123) (actually a propane tank)	G-6	Inactive	/	NA	/	/	No	NA	No	/
31	Underground Sanitary Sewer Line G5	H-5	In service	Effluent to wastewater treatment (Building 57)	CWA	AEA	SWMU	No	NA	OM	/
32	Underground Sanitary Sewer Line G12	F-8	/				SWMU	No	NA	OM	/
33	Underground Sanitary Sewer Line G15	H-6	/				SWMU	No	NA	OM	/

- 1 - Soil Gas Survey - Freon 11, Freon 113, Trans-1,2-Dichloroethylene, Cis-1,2-Dichloroethylene, 1,1,1-Trichloroethane, Perchloroethylene, Trichloroethylene, Toluene
- 2 - Gamma Spectroscopy - Thorium-228, -230, Cobalt-60, Cesium-137, Radium-224, -226, -228, Americium-241, Actinium-227, Bismuth-207, Bismuth-210m, Potassium-40
- 3 - Target Analyte List
- 4 - Target Compound List (VOC)
- 5 - Target Compound List (SVOC)
- 6 - Target Compound List (Pesticides/Polychlorinated Biphenyl)
- 7 - Dioxins/Furans
- 8 - Extractable Petroleum Hydrocarbons (EPH)/Total Petroleum Hydrocarbons (TPH)
- 9 - Lithium
- 10 - Nitrate/Nitrite
- 11 - Chloride
- 12 - Explosives
- 13 - Plutonium-238
- 14 - Plutonium-238, Thorium-232
- 15 - Cobalt-60, Cesium-137, Radium-226, Americium-241
- 16 - Tritium

Reference List

1. DOE 1986 "Phase I Installation Assessment Mound (DRAFT)."
2. DOE 1992a "Remedial Investigation/Feasibility Study, Operable Unit 9, Site-Wide Work Plan (Final)."
3. DOE 1992c "Mound Plant Underground Storage Tank Program Plan & Regulatory Status Review (Final)."
4. DOE 1993a "Site Scoping Report: Volume 7 - Waste Management (Final)."
5. EPA 1988a "Preliminary Review/Visual Site Inspection for RCRA Facility Assessment of Mound Plant."
6. DOE 1993d "Operable Unit 9, Site Scoping Report: Volume 3 - Radiological Site Survey (Final)."
7. DOE 1993c "Operable Unit 3, Miscellaneous Sites Limited Field Investigation Report."
8. DOE 1992d "Reconnaissance Sampling Report Decontamination & Decommissioning Areas, OU6, (Final)."
9. Fentiman 1990 "Characterization of Mound's Hazardous, Radioactive and Mixed Wastes."
10. DOE 1992f "Operable Unit 9, Site Scoping Report: Volume 11 - Spills and Response Actions (Final)."
11. Styron and Meyer 1981 "Potable Water Standards Project: Final Report."
12. DOE 1993b "Reconnaissance Sampling Report - Soil Gas Survey & Geophysical Investigations, Mound Plant Main Hill and SM/PP Hill (Final)."
13. DOE 1993d "Operable Unit 9, Site Scoping Report: Volume 3 - Radiological Site Survey (Final)."
14. DOE 1991b "Main Hill Seeps, Operable Unit 2, On-Scene Coordinator Report for CERCLA Section 104 Remedial Action, West Powerhouse PCB Site."
15. Halford 1990 "Results of South Pond Sampling."
16. DOE 1993e "Operable Unit 4, Special Canal Sampling Report, Miami Erie Canal."
17. DOE 1990 "Preliminary Results of Reconnaissance Magnetic Survey of Mound Plant Areas 2, 6, 7, and C."
18. DOE 1992a "Remedial Investigation/Feasibility Study, Operable Unit 9, Site-Wide Work Plan (Final)."
19. Rogers 1975 "Mound Laboratory Environmental Plutonium Study, 1974."
20. DOE 1992h "Ground Water and Seep Water Quality Data Report Through First Quarter, FY92."
21. Dames and Moore 1976 a, b "Potable Water Standards Project Mound Laboratory" and "Evaluation of the Buried Valley Aquifer Adjacent to Mound Laboratory."
22. DOE 1992i "Closure Report, Building 34 - Aviation Fuel Storage Tank."
23. DOE 1992j "Closure Report, Building 51 - Waste Storage Tank."
24. DOE 1994 "Operable Unit 1, Remedial Investigation Report."
25. EG&G 1994 "Active Underground Storage Tank Plan."

ENVIRONMENTAL RESTORATION PROGRAM

**MOUND PLANT UNDERGROUND STORAGE TANK
PROGRAM PLAN AND REGULATORY
STATUS REVIEW**

**MOUND PLANT
MIAMISBURG, OHIO**

NOVEMBER 1992

**DEPARTMENT OF ENERGY
ALBUQUERQUE OPERATIONS OFFICE**

**ENVIRONMENTAL RESTORATION PROGRAM
EG&G MOUND APPLIED TECHNOLOGIES**

FINAL (REVISION 0)

from the Operable Unit 3 sampling of the site are documented in the ER Program report "Closure Report, Building 51-Waste Storage Tank." This "Closure Report" was submitted to the BUSTR with a request to close the file on the tank in September 1992.

2.3.10. Building 43: Solvent Storage Tank (Tank 221)

This 1,000-gallon, stainless-steel tank was originally constructed to store acetone or alcohol solvents for use in Building 43. The stainless-steel tank reportedly has never been used and at removal still contained the water used in hydrostatic testing when the tank was installed (Burdg, 1991b). Laboratory results confirmed the contents to be deionized water (Bowser-Morner, 1991). The tank was closed by removal on November 29, 1990, in accordance with BUSTR requirements. Accordingly, because the tank has been removed and had only contained water, the tank should be deleted as a concern as a UST.

It should be noted that the Mound UST Plan (NUS, 1989) identified a 500-gallon solvent tank immediately adjacent to Building 43. When Mound Plant engineers visited the area to plan closure activities they found that there were two tanks in proximity to Building 43. The first was a 500-gallon concrete settling basin formerly used to process explosives production wastewaters from Building 43. The second was a 1,000-gallon stainless-steel tank installed to store solvents, but was never used. Consequently, there is no "500-gallon solvent tank," and Mound Plant has identified the 500-gallon concrete settling basin as Tank 201 and the 1,000-gallon stainless-steel tank as Tank 221 for the purposes of this document.

2.3.11. Building 58: Diesel Fuel Storage Tank (Tank 222)

This 3,000-gallon, unlined, steel tank was formerly used to supply diesel fuel to Emergency Generator Number 1. The tank is reported by Mound Plant personnel to have been closed by removal in December 1989 (Andersen, 1990c). As a closed tank site, the location will be investigated by the ER Program (FFA) in Operable Unit 2 to determine if evidence of a release exists.

2.3.12. Building 56: Diesel Fuel Storage Tank (Tank 223)

This 825-gallon, unlined steel tank was formerly used to supply diesel fuel to an emergency power generator. The tank is reported by Mound Plant site personnel to have been closed by removal in December 1989 (Andersen, 1990c). As a closed tank site, the location will be investigated by the ER Program (FFA) in Operable Unit 2 to determine if evidence of a release exists.

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APPENDIX (continued)
 UST OWNERSHIP/SPONSORSHIP AND PRIMARY REGULATORY JURISDICTION

Tank #	NUS#*	Capacity (gallons)	Location	Purpose	Comments	Last date used*	Tentative Tank Sponsor	Spill Jurisdiction	Primary Regulatory Jurisdiction
213	1.3-3 #12	3,000	SM Bldg.	Alpha waste-water collection tank	Bituminous-lined steel tank used to collect alpha waste-waters.	1972 (c/r Jan. 1988)	D&D	AEA	AEA
214	1.3-3 #13	3,750	WD Bldg. Annex	Alpha waste-water effluent tank	PVC-lined steel tank used to collect treated alpha waste-waters prior to discharge.	1975* (I/I)	D&D	AEA	AEA
215	1.3-3 #14	3,750	WD Bldg. Annex	Alpha waste-water effluent tank	PVC-lined steel tank used to collect treated alpha waste-waters prior to discharge.	1975* (I/I)	D&D	AEA	AEA
216	1.3-3 #15	3,750	WD Bldg. Annex	Alpha waste-water effluent tank	PVC-lined steel tank used to collect treated alpha waste-waters prior to discharge.	1975* (I/I)	D&D	AEA	AEA
217	N/A	100*	Bldg. 27	Waste flume sump	Concrete flume used to collect wastes from an explosives production process.	Oct. 1991 (I/I)	Operations	RCRA	RCRA ^d
218	N/A	500*	Bldg. 27	Settling sump	Concrete basin formerly used to filter and settle out explosive elements in an explosive production process waste stream. More recently used as contingency unit. Last held waste in 1985.	Oct. 1991 (I/I)	Operations	RCRA	RCRA ^d
219	1.3-3 #17	5,000	Bldg. 34	Aviation fuel storage tank	Unlined steel tank used to supply aviation fuel for container burn testing.	1972 (c/r Nov. 1990)	ER (3*)	FFA	FFA
220	1.3-3 #18	1,000	Bldg. 51	Waste solvent storage tank	Unlined steel tank used to supply incinerator with waste solvents.	1972 (c/r Dec. 1990)	ER (3*)	FFA	FFA
221	1.3-3 #19	1,000	Bldg. 43	Product solvent storage tank	Stainless-steel tank constructed to store solvent for use in Building 43. Never used.	N/A (c/r Dec. 1990)	NA	N/A	BUSTR

Mount Plant, ER Program

Mount UST Program

Appendix A

Environmental Restoration Program

**OPERABLE UNIT 5
OPERATIONAL AREA PHASE I INVESTIGATION
NON-AOC FIELD REPORT**

**MOUND PLANT
MIAMISBURG, OHIO**

VOLUME II - APPENDICES A-G

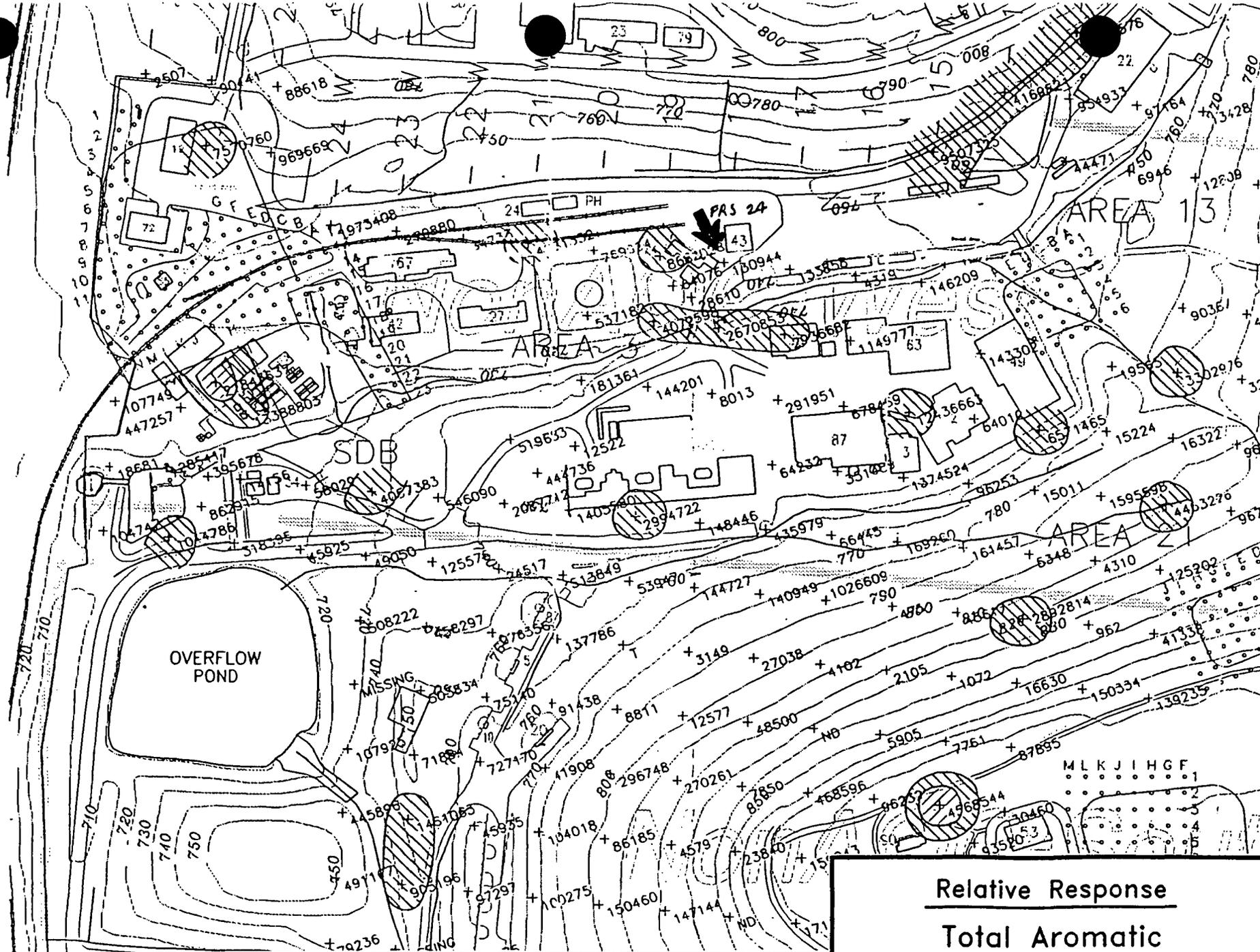
June 1995

Final (Revision 0)

**U.S. Department of Energy
Ohio Field Office**



EG&G Mound Applied Technologies



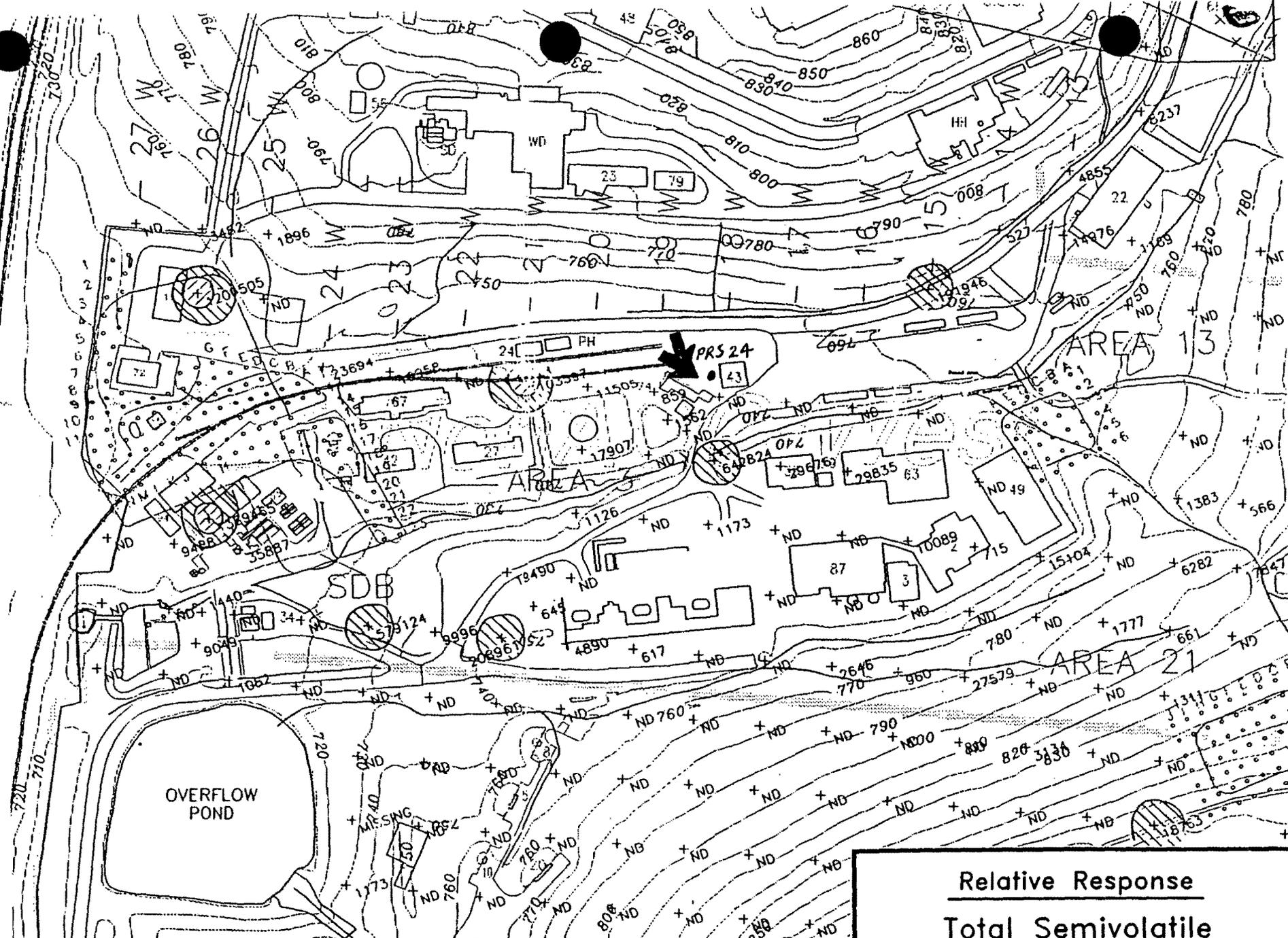
Relative Response

Total Aromatic Hydrocarbons

LEGEND

Relative Response Values (in ion counts):				
NonAOC-South	NonAOC-West	NonAOC-East	NonAOC-North	Area 61
☉ ≥ 4,200,000	☉ ≥ 20,000,000	☉ ≥ 5,000,000	☉ ≥ 10,000,000	☉ ≥ 5,800,000
☉ 850,000-4,199,999	☉ 2,600,000-19,999,999	☉ 850,000-4,999,999	☉ 1,500,000-9,999,999	☉ 1,400,000-5,799,999

Plate 2

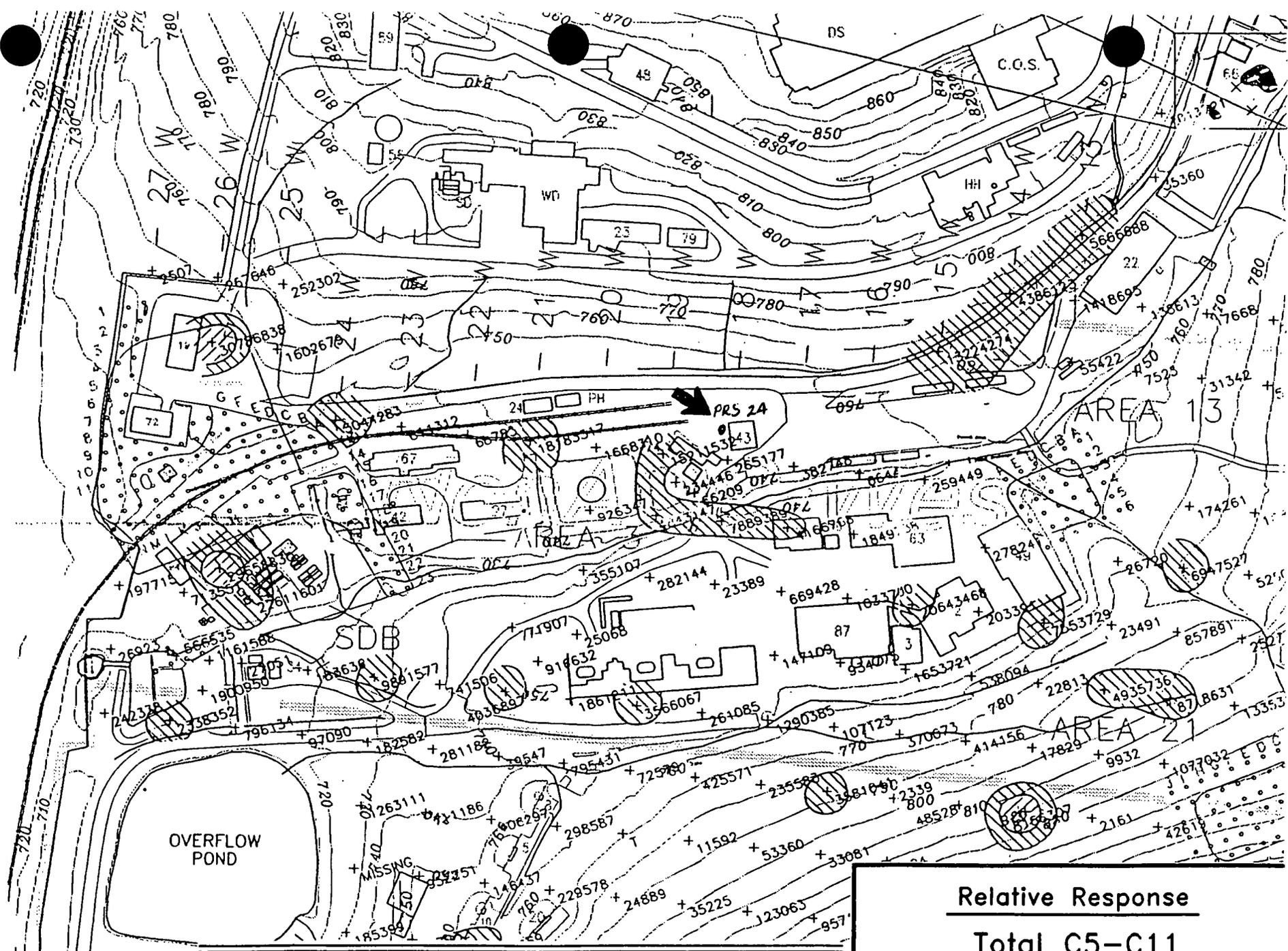


LEGEND

Relative Response Values (in Ion counts):				
NonAOC-South	NonAOC-West	NonAOC-East	NonAOC-North	Area 81
≥ 70,000	≥ 1,000,000	≥ 300,000	≥ 800,000	≥ 1,400,000
7,000-69,999	100,000-999,999	30,000-299,999	80,000-799,999	180,000-1,399,999

Relative Response
 Total Semivolatile
 Hydrocarbons

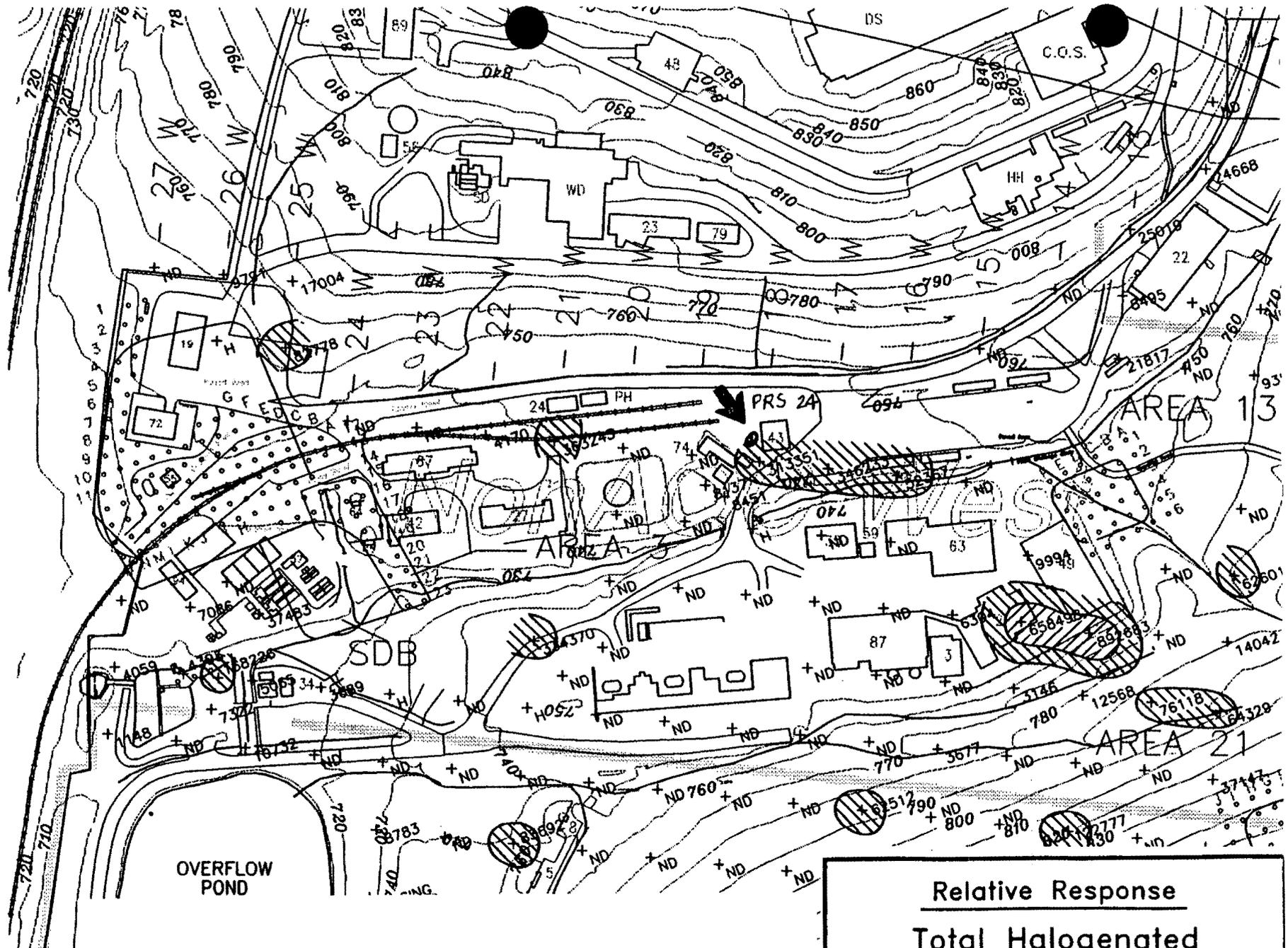
Plate 3



Relative Response
Total C5-C11
Petroleum Hydrocarbons

LEGEND

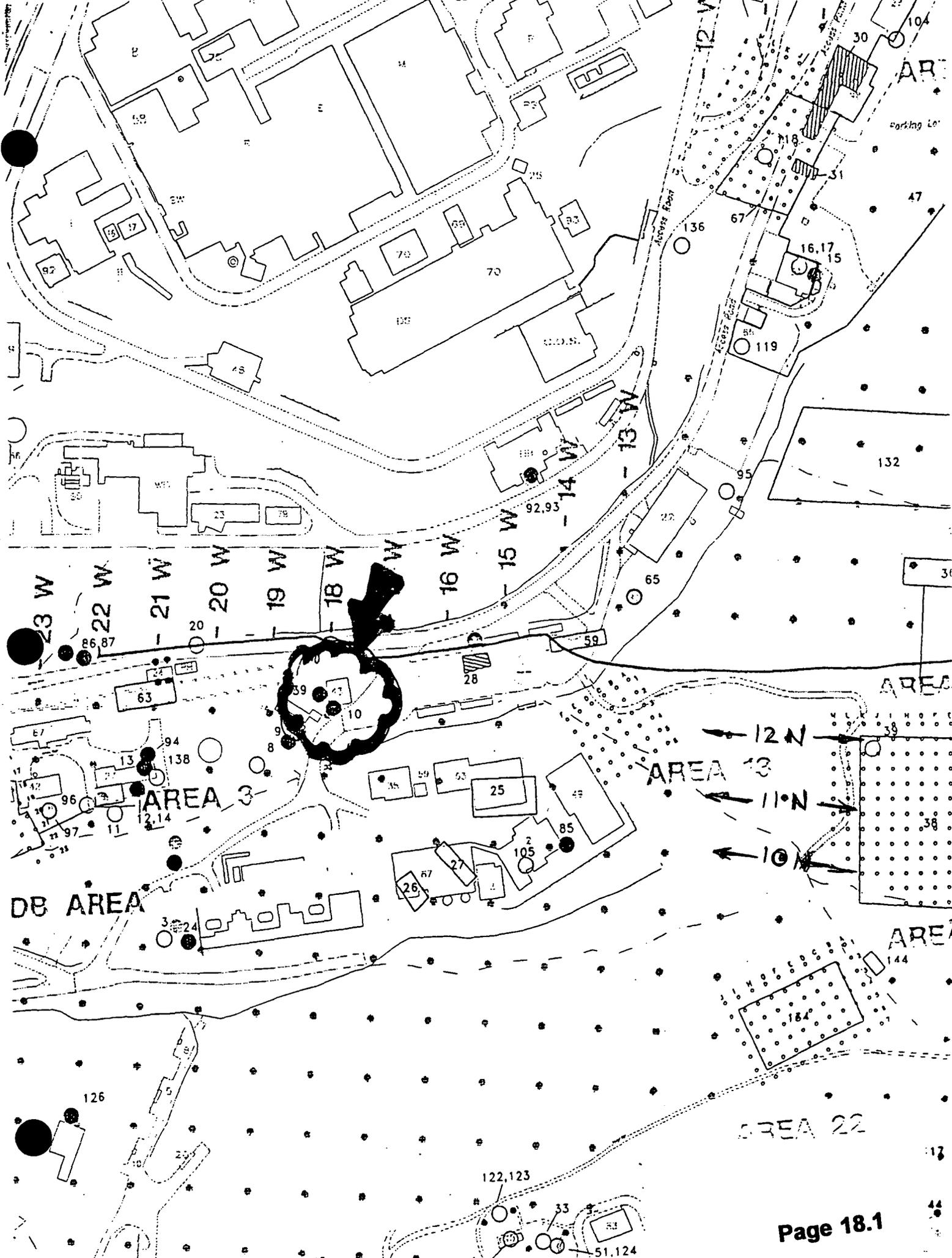
Relative Response Values (in ion counts):				
NonAOC-South	NonAOC-West	NonAOC-East	NonAOC-North	Area 61
≥ 6,000,000	≥ 29,000,000	≥ 11,500,000	≥ 23,000,000	≥ 25,000,000
1,500,000-7,999,999	3,000,000-28,999,999	1,600,000-11,499,999	4,000,000-22,999,999	3,000,000-24,999,999



LEGEND				
Relative Response Values (in ion counts):				
NonAOC-South	NonAOC-West	NonAOC-East	NonAOC-North	Area 61
≥ 500,000	≥ 500,000	≥ 80,000	≥ 400,000	≥ 250,000
50,000-499,999	50,000-499,999	20,000-79,999	40,000-399,999	35,000-249,999

Relative Response
 Total Halogenated
 Hydrocarbons

Plate 5



APPENDIX D
 RADIOLOGICAL DATA (FIDLER SURVEY MOUND SOIL SCREENING FACILITY DATA) FOR
 NON-AOC POINTS

MOUND SOIL SCREENING FACILITY DATA				
SMPID	Plutonium - 238		Thorium - 232	
	Units: pCi/g		Units: pCi/g	
	RESULTS	Note:	RESULTS	Note:
SOIL GAS SAMPLING				
<i>FUEL AREA</i>				
PUMPE	0	a	1.3	a
PUMPW	WIPE	c	WIPE	c
PUMPN	WIPE	c	WIPE	c
PUMPS	WIPE	c	WIPE	c
TANKE	4	a	0.4	a
TANKW	WIPE	c	WIPE	c
TANKN	5	a	0.2	a
TANKS	4	a	1.1	a
SEPE	WIPE	c	WIPE	c
SEPW	WIPE	c	WIPE	c
SEPN	WIPE	c	WIPE	c
SEPS	WIPE	c	WIPE	c
<i>ADDITIONAL LOCATIONS IN NON-AOC</i>				
08N25.5	17	a	0.8	a
13N5.5	10	a	1.2	a
13N07	4	a	0.7	a
14N06	WIPE	c	WIPE	c
7.5N25.5	0	a	0.5	a
8.5N20	9	a	0.8	a
17.25N2.5	20	a	1	a
16.75N2.5	0	a	0.4	a
19.5N10	11	a	0.9	a
20.25N10.5	0	a	0.2	a
9.5N25.5	WIPE	c	WIPE	c
11.75N18.75	WIPE	c	WIPE	c
11.6N18.5	WIPE	c	WIPE	c
3.5N13.5	WIPE	c	WIPE	c
08N5.5	WIPE	c	WIPE	c

NR - Not recorded
 NC - No sample/reading taken
 NA - Reading not taken; contamination criteria not exceeded.
 a - Mound Soil Screening Facility detection level not exceeded.
 b - Concentration at or above the Mound Soil Screening Facility detection level.
 c - Results of the wipe sample were less than 20 disintegrations per minute.
 CPM - Counts per minute
 KCPM - Counts per minute x 1000
 pCi/g - Picocuries per gram

**APPENDIX D
RADIOLOGICAL DATA (FIDLER SURVEY MOUND SOIL SCREENING FACILITY DATA) FOR NON-AOC POINTS**

SMPID	FIDLER SURVEY DATA					MOUND SOIL SCREENING FACILITY DATA			
	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	FIDLER Readings Out Channel	Plutonium - 238		Thorium - 232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
12N15	157.3	65	8.45	4.0	NC	85	b	0.9	a
12N16	157.3	110	8.45	5.5	NC	9	a	0.7	a
12N17	157.3	60	8.45	3.5	NC	WIPE	c	WIPE	c
12N18	157.3	60	8.45	4.5	NC	WIPE	c	WIPE	c
12N19	157.3	55	8.45	4.5	NC	19	a	0.5	a
12N20	157.3	65	8.45	4.5	NC	WIPE	c	WIPE	c
12N21	157.3	50	8.45	3.5	NC	WIPE	c	WIPE	c
12N22	157.3	85	8.45	5.5	NC	16	a	1	a
12N23	157.3	75	8.45	5.0	NC	WIPE	c	WIPE	c
12N24	157.3	40	8.45	3.5	NC	WIPE	c	WIPE	c
13N01	253.5	180	12.48	10.0	NC	15	a	1.1	a
13N02	253.5	95	12.48	4.5	NC	WIPE	c	WIPE	c
13N03	130	110						WIPE	c
13N25	157.3	40						WIPE	c
13N26	157.3	60						WIPE	c
14N01	253.5	100						WIPE	c
14N02	122.2	80						WIPE	c
14N03	130	75							c
14N07	170.3	100							
14N08	170.3	150							
14N09	170.3	145							
14N10	170.3	85							
14N11	170.3	115							
14N12	170.3	130							
14N13	157.3	100							
14N15	157.3	70						WIPE	c
14N25	157.3	85						0.6	a
14N26	157.3	80	8.45	7.5	NC	8	a	0.7	a
14N27	157.3	150	8.45	9.0	NC	20	a	0.9	a

NR - Not recorded
 NC - No sample/reading taken
 NA - Reading not taken; contamination criteria not exceeded.
 a - Mound Soil Screening Facility detection level not exceeded.
 b - Concentration at or above the Mound Soil Screening Facility detection level.
 c - Results of the wipe sample were less than 20 disintegrations per minute.
 CPM - Counts per minute
 KCPM - Counts per minute x 1000
 pCi/g - Picocuries per gram

SOIL SCREENING FACILITY RESULTS
DECEMBER, 1990

