

# MOUND



**Environmental  
Restoration  
Program**

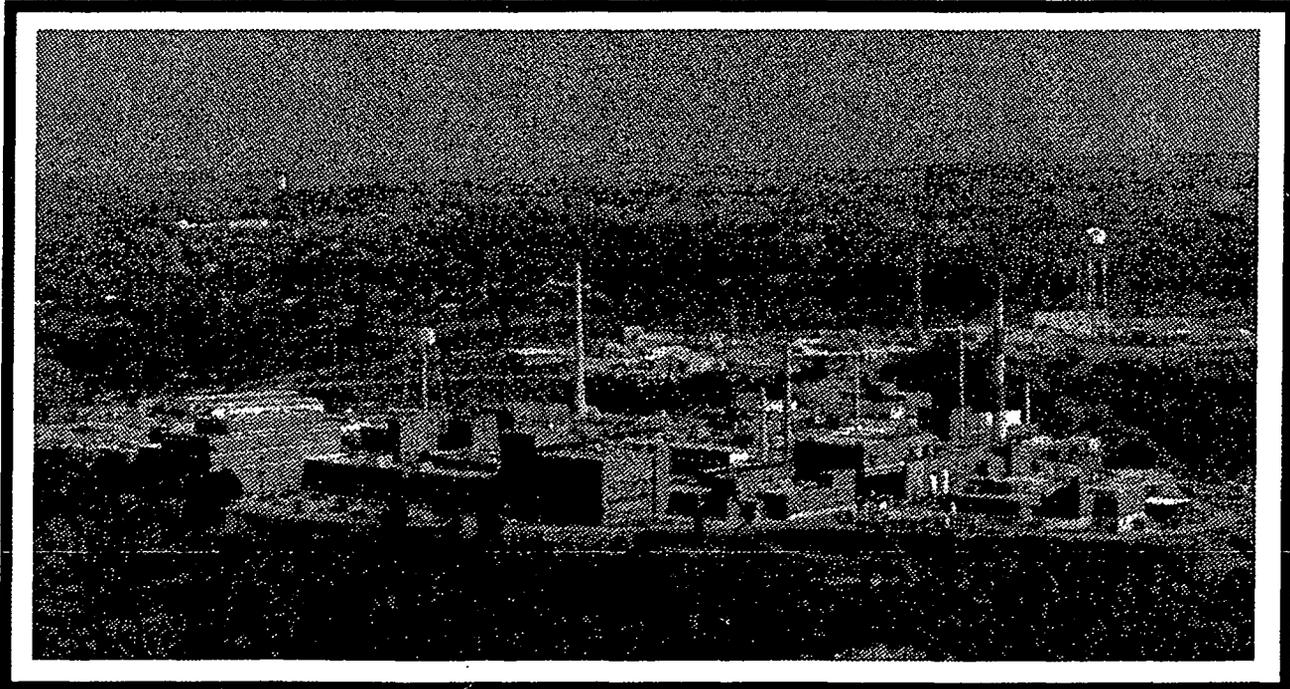


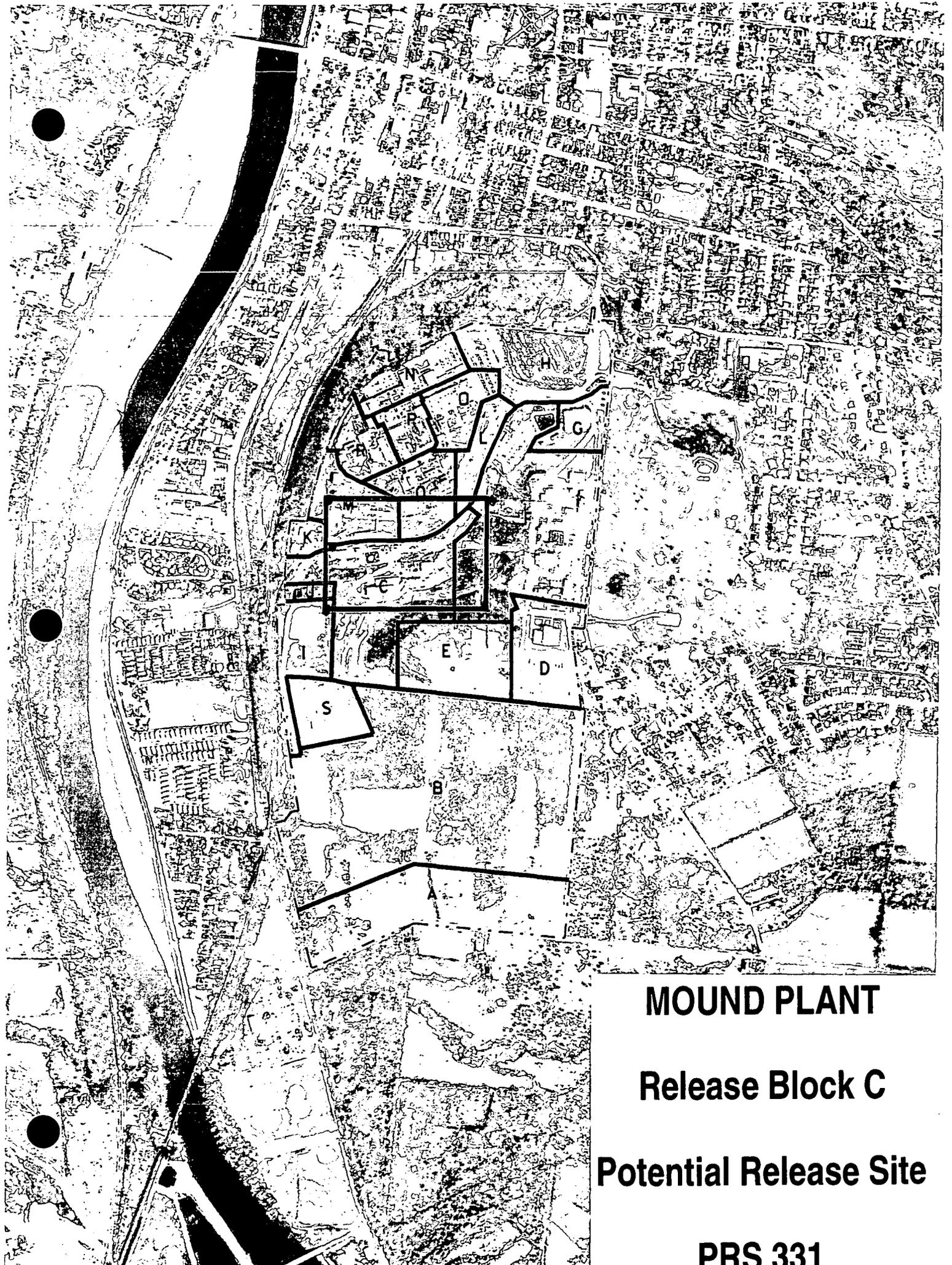
**Ohio EPA**

# MOUND PLANT

## Potential Release Site Package

### PRS # 331





**MOUND PLANT**

**Release Block C**

**Potential Release Site**

**PRS 331**

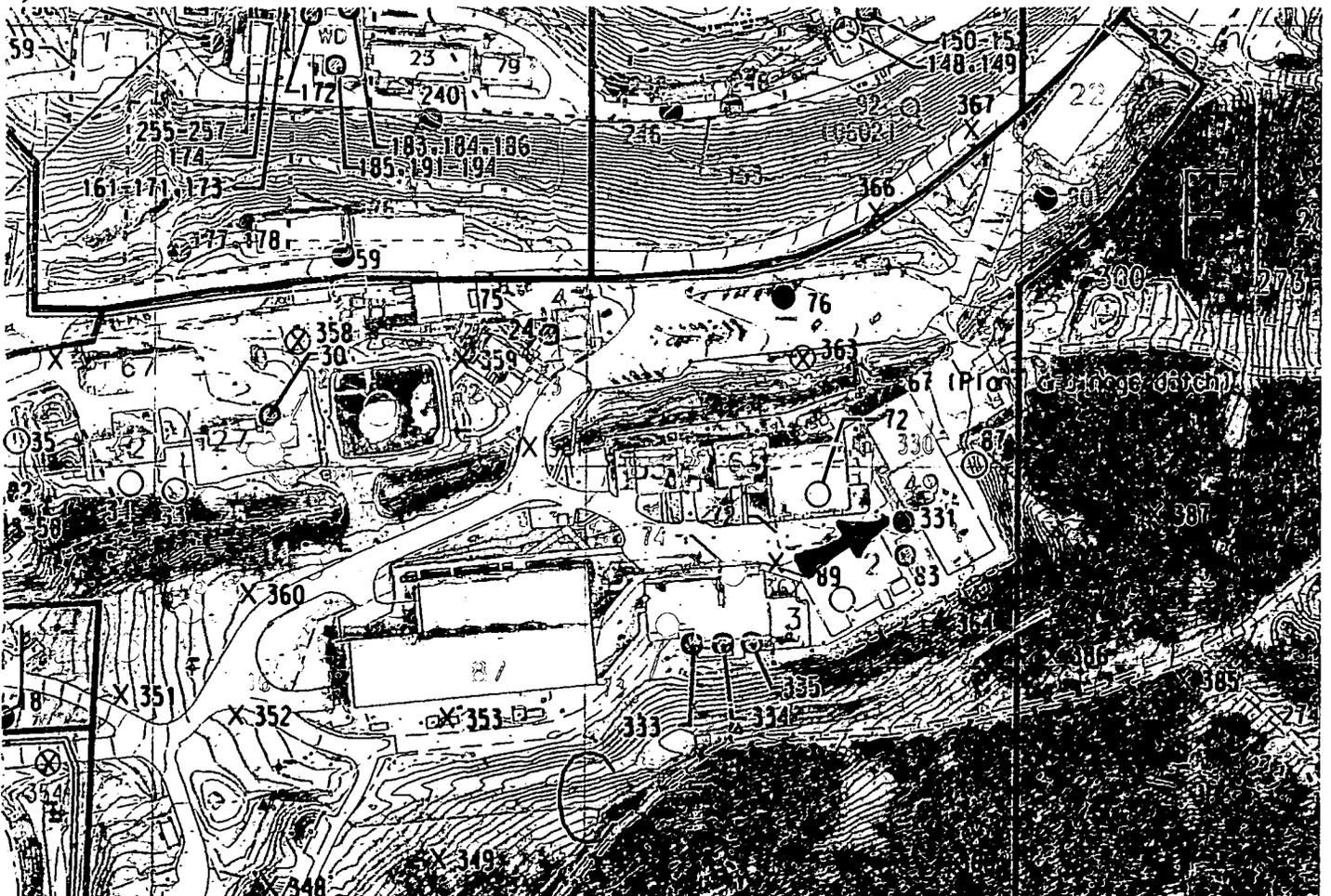
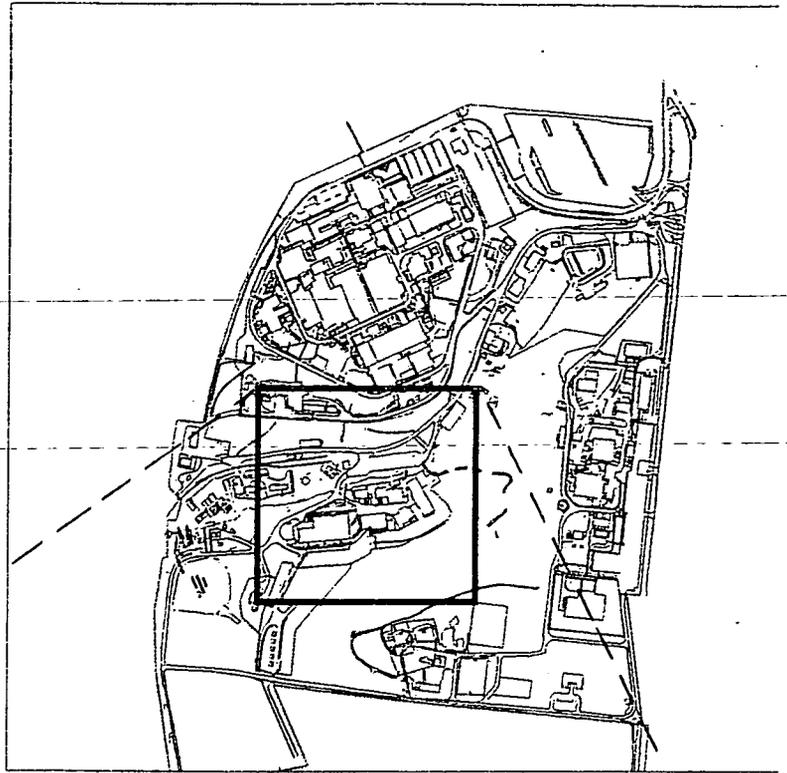


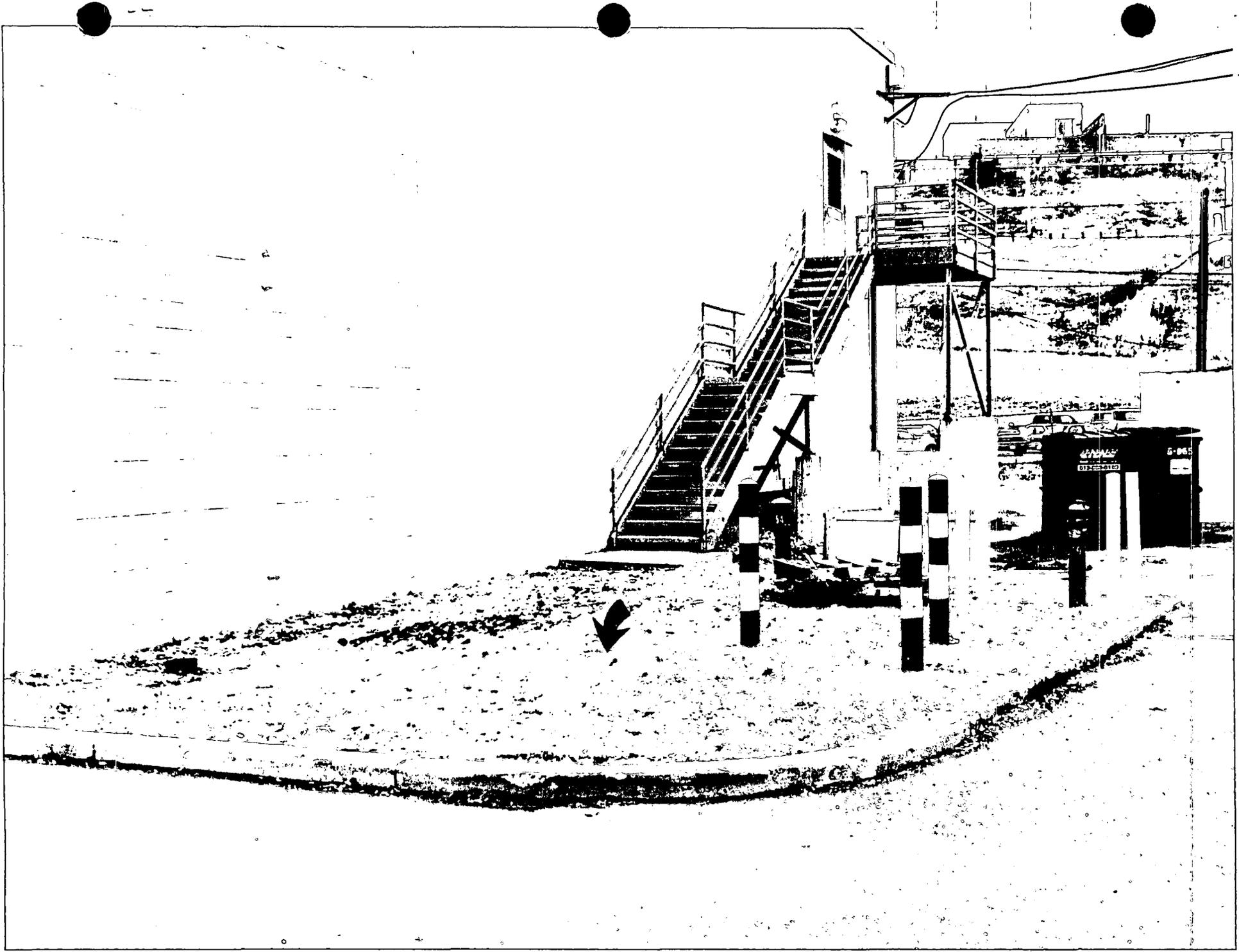
# MOUND PLANT

## Release Block C

### Potential Release Site

PRS 331





## **MOUND PLANT PRS 331**

### **PRS HISTORY:**

Building 2's Underground Septic Tank (UST, Tank 261) was identified as Potential Release Site (PRS) 331. The septic tank was in service from 1956 until it was closed in 1984. The tank was used for discharge of sanitary waste water from Building 2. There was no leach field identified with this septic tank.

Tank 261 was constructed of concrete, approximately 3-foot wide by 6-foot long by 5-foot deep. The tanks capacity was 450 gallons. A 6-inch cast iron pipe carried the sanitary waste from Building 2 to the septic tank. Tank 261 was closed during the construction of the Building 63 addition (Test Fire Operations) by filling with concrete and/or sand.<sup>4</sup>

There were no hazardous or radioactive waste generating processes known to have occurred in Building 2. Building 2 was utilized in the Explosive Testing Operations at Mound.

### **CONTAMINATION:**

Soil Sampling was not performed during the closure of Tank 261 in 1984. The Non-Area of Concern (AOC) Phase I investigation of this area did not detect any soil gas contaminants.<sup>3</sup> The Radiological Site Survey of this area detected Plutonium 238 at .43 pCi/g and .08 pCi/g and Thorium-232 at less than 2pCi/g.<sup>2</sup> These values are below the Mound As Low As Reasonably Achievable (ALARA) standard of 25 pCi/g for Plutonium 238 and the regulatory limit of 5pCi/g for Thorium-232.

### **READING ROOM REFERENCES:**

- 1) OU9, Site Scoping Report: Volume 12, Site Summary Report Final, December 1994. (pages 5-6.1)
- 2) OU9, Site Scoping Report: Volume 3, Radiological Site Survey Final, June 1993. (pages 7-9)
- 3) OU5, Operational Area Phase I Investigation, Non-AOC Field Report Final, June 1995. (pages 10-14)
- 4) Active Underground Storage Tank Plan Final, November 1994. (pages 15-22)

### **OTHER REFERENCES:**

- 5) Code of Federal Regulations, 40 CFR 192.41 and 40 CFR 192.12.

### **PREPARED BY:**

Rich Bauer, Member of EG&G Technical Staff

**MOUND PLANT  
PRS 331  
BUILDING 2 SEPTIC TANK**

**RECOMMENDATION:**

This location was identified as a Potential Release Site (PRS) because the tank had been used to receive the discharge of sanitary waste water from Building 2.

No radionuclide nor hazardous waste generating processes were known to have occurred in Building 2. The OU5 Non-AOC Field survey did not detect any contamination above screening levels. Soil plutonium concentrations were below the Mound ALARA guideline of 25 pCi/g, and thorium was below the accepted regulatory standard of 5 pCi/g (surface) and 15 pCi/g (subsurface).

Therefore, PRS 331 requires NO FURTHER ASSESSMENT.

**CONCURRENCE:**

DOE/MB:

Arthur W. Kleinrath 10/3/96  
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA:

Timothy J. Fischer 10/3/96  
Timothy J. Fischer, Remedial Project Manager (date)

OEPA:

Brian K. Nickel 10/3/96  
Brian K. Nickel, Project Manager (date)

**SUMMARY OF COMMENTS AND RESPONSES:**

Comment period from \_\_\_\_\_ to \_\_\_\_\_

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

**REFERENCE MATERIAL**  
**PRS 331**

**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**

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*	Results	Ref
321	Dayton Unit II	Dayton	Historical	Explosives (including ammonium picrate and ammonium nitrate) Rocket propellant	1, 4	None Suspected			No Data		
322	Dayton Unit III	Dayton	Historical	Polonium-210, Tellurium, Bismuth, Cobalt, Nickel, Beryllium, Thorium	1, 4	Suspected Cobalt-60	S	4	No Data		
323	Dayton Unit IV	Dayton	Historical	Contaminants listed under Dayton Unit III	1, 4	Suspected Cobalt-60	S	4	No Data		
324	Dayton Warehouse	Dayton	Historical	Polonium-210	4	None Suspected			No Data		
325	Scioto Facility (Marion)	Scioto	Historical	Facility never used	4	None Suspected			No Data		
326	Building 38 Sanitary Sump (Tank 254)	G-9	In Service	Sanitary wastewater	25	None Suspected			No Data		
327	R-111 Calorimetry Bath (Tank 255)	E-6	Inactive	Deionized water with potential alpha contamination	25	None Suspected			No Data		
328	R-111 Calorimetry Bath (Tank 266)										
329	Building 62 Hot Waste Sump (Tank 258)	E-6	In Service	Sanitary wastewater with potential alpha contamination	25	None Suspected Tank removed			No Data		
330	Building 2 Fuel Oil Tank (Tank 260)	H-7	Historical	Fuel oil	25	Unknown			No Data		
331	Building 2 Tank (Tank 261)	H-7	Historical	Sanitary Wastes	25	Unknown Closed in place			No Data		
	ding G Waste Oil Tank (Tank 262)	E-7	Inactive	Waste oils	25	Unknown			No Data		
	ling 87 Explosive Surge Tank (Tank 263)	H-7	In Service	Exhaust air from explosives testing	25	None Suspected			No Data		
	ling 87 Explosive Surge Tank (Tank 264)										
	ling 87 Explosive Surge Tank (Tank 265)										

- 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**

**OPERABLE UNIT 9, SITE SCOPING REPORT:  
VOLUME 3 - RADIOLOGICAL SITE SURVEY**

**MOUND PLANT  
MIAMISBURG, OHIO**

**June 1993**

**DEPARTMENT OF ENERGY  
ALBUQUERQUE FIELD OFFICE**

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

**FINAL**



ER PROGRAM  
**MOUND PLANT**  
 MIAMISBURG, OHIO  
 PLATE 1  
 ( 1 OF 2 )  
 SITE SURVEY PROJECT SAMPLING LOCATIONS  
 PREPARED FOR  
 SITE SCOPING REPORT: VOLUME 3,  
 RADIOLOGICAL SITE SURVEY

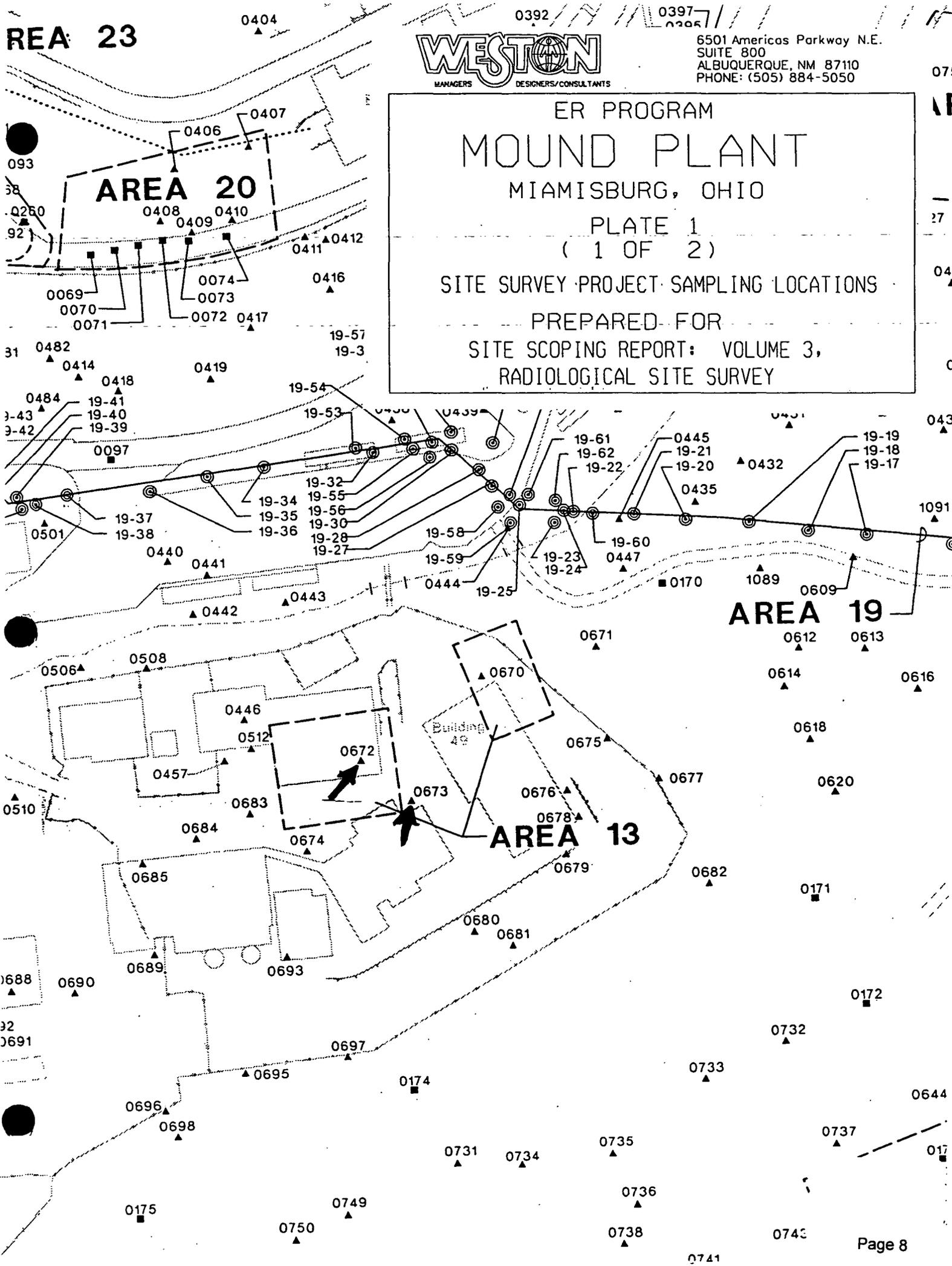


Table III.7. Mound Site Survey Project - Area 13

Plate 1	Coordinates		MRC ID		Depth	Plutonium-238	Thorium <sup>b</sup>
<u>Location<sup>a</sup></u>	<u>South</u>	<u>West</u>	<u>No.</u>	<u>Mo-Yr</u>	<u>(inch)</u>	<u>(pCi/g)</u>	<u>(pCi/g)</u>
S0670	2705	3175	4029	10-83	0	0.34	b
S0671	2725	3075	4118	10-83	0	5.74	b
S0672	2725	3300	4027	10-83	0	0.43	b
S0673	2775	3275	4043	10-83	0	0.08	b
S0674	2775	3375	4028	10-83	0	0.54	b

<sup>a</sup>Map locations are given using a "C" to designate core locations and an "S" to designate surface locations.

<sup>b</sup>A "b" indicates that the total thorium concentration was less than the background level of 2.0 pCi/g, using FIDLER screening. Therefore, radiochemical analysis was not performed.

FIDLER - field instrument for the detection of low-energy radiation

MRC ID - Monsanto Research Corporation Identification

pCi/g - picocuries per gram

Environmental Restoration Program

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

**MOUND PLANT  
MIAMISBURG, OHIO**

**VOLUME II - APPENDICES A-G**

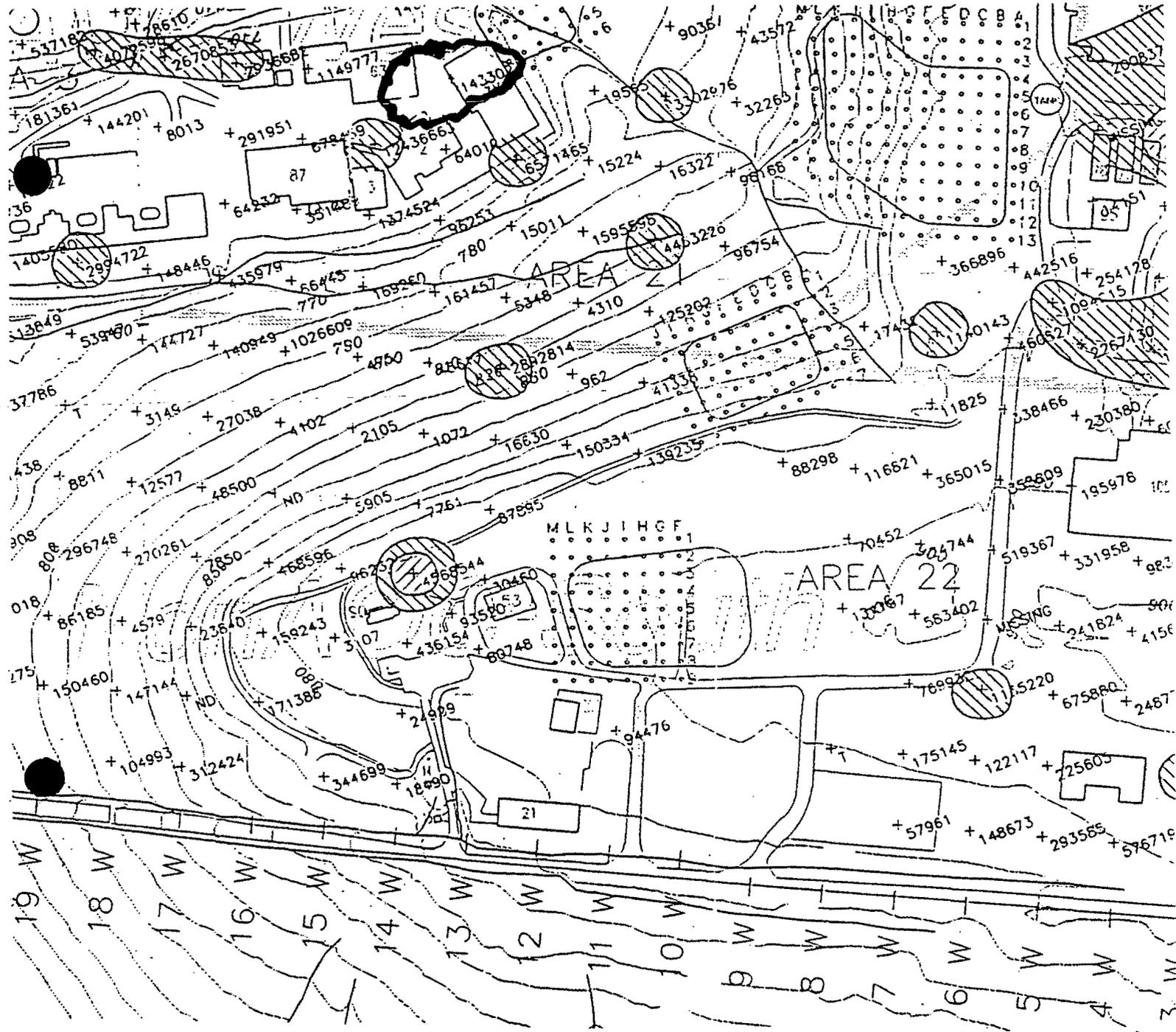
June 1995

Final (Revision 0)

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



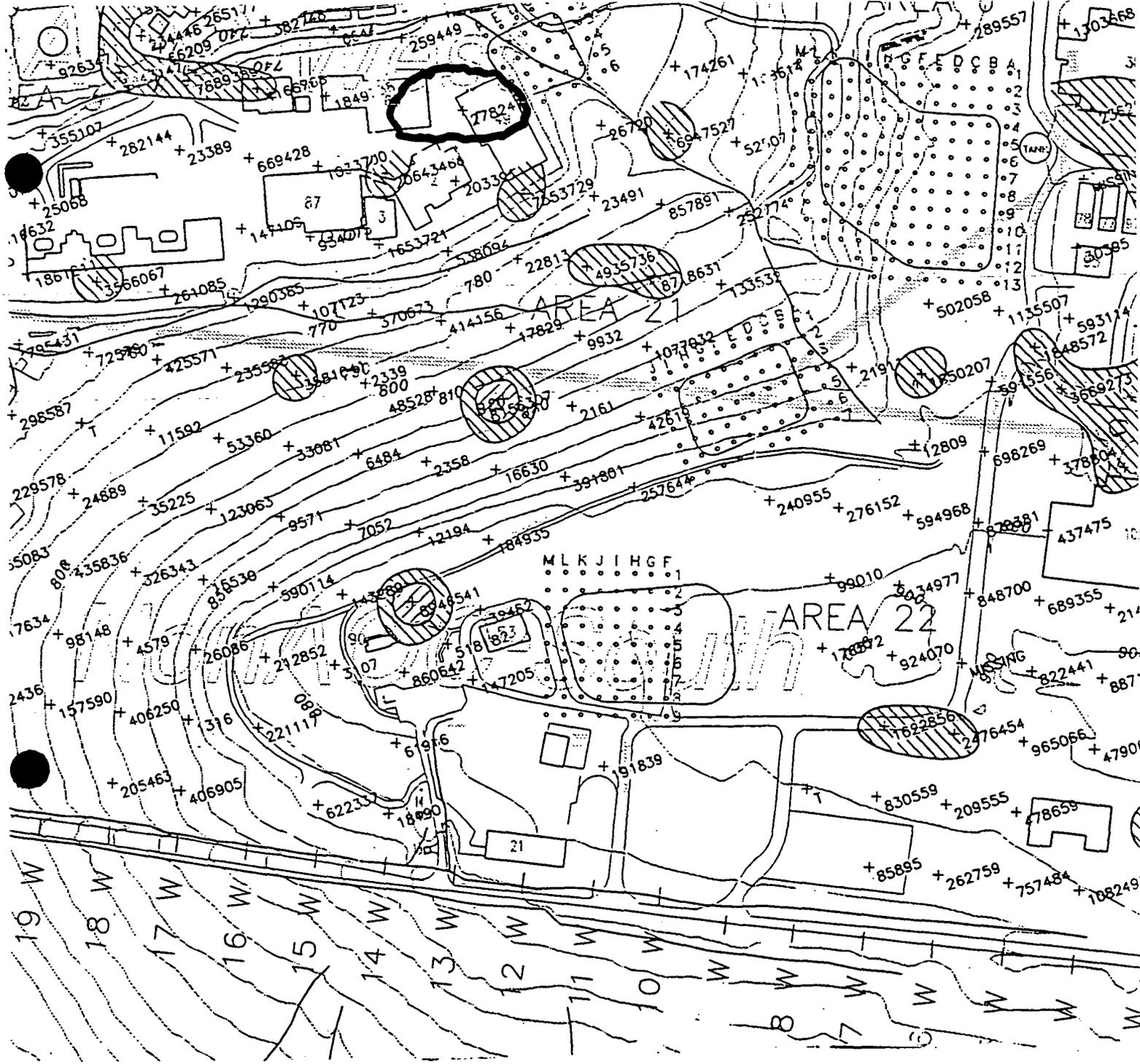
EG&G Mound Applied Technologies



LEGEND				
Relative Response Values (in ion counts):				
NonAOC-South	NonAOC-West	NonAOC-East	NonAOC-North	Area 81
⊗ ≥ 4,200,000	⊗ ≥ 20,000,000	⊗ ≥ 5,000,000	⊗ ≥ 10,000,000	⊗ ≥ 5,000,000
⊗ 850,000-4,199,999	⊗ 2,800,000-19,999,999	⊗ 850,000-4,999,999	⊗ 1,500,000-9,999,999	⊗ 1,400,000-5,799,999

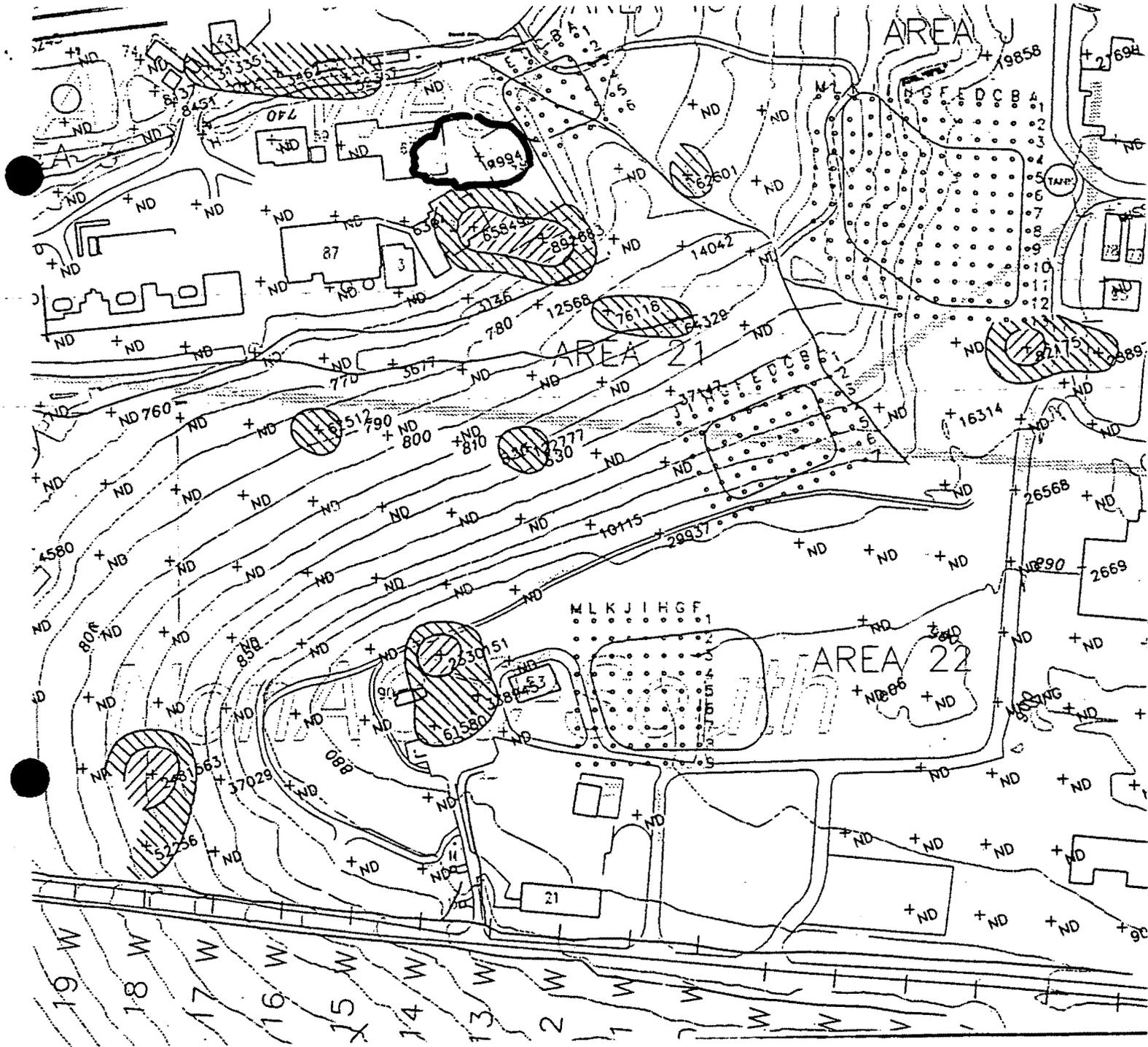
Relative Response  
 Total Aromatic  
 Hydrocarbons  
  
 Plate 2





LEGEND				
Relative Response Values (in ion counts):				
NonAOC-South	NonAOC-West	NonAOC-East	NonAOC-North	Area B1
≥ 8,000,000	≥ 29,000,000	≥ 11,500,000	≥ 23,000,000	≥ 25,000,000
1,500,000-7,999,999	3,000,000-28,999,999	1,800,000-11,499,999	4,000,000-22,999,999	3,000,000-24,999,999

**Relative Response**  
**Total C5-C11**  
**Petroleum Hydrocarbons**  
  
**Plate 4**



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  


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 Plate 5



*Active Underground Storage  
Tank Plan*

November, 1994

*Prepared for:*

Project Management and Planning  
EG&G Mound Applied Technologies  
One Mound Road  
Miamisburg, Ohio

~~Some inactive tanks are sumps or containments which are part of the physical structure of a building still in use. These sumps or containments will not be removed until the building in which they are present is permanently decommissioned. Tanks within this category are recommended for inclusion in D&D program and will be maintained in the AUST database until plans to decommission the building or remove and close the UST have been specifically identified.~~

~~Potential releases to the environment will be investigated and mitigated as part of the closure of these systems in accordance with the governing regulatory authority. Corrective actions will be coordinated in order to maintain consistency (e.g., cleanup standards) among the various regulatory authorities.~~

#### ➔ 4.3 Closed In Place/Removed Tanks

Table 4-4 lists those tanks that have been closed in place (e.g. filled with concrete) and those that have been physically removed. Documentation for these tanks has been reviewed to verify that closure was or is being performed in accordance with applicable regulations. Copies of field survey and evaluation sheets are provided in Appendix B.

14 USTs are listed on Table 4-4 as closed. These are tanks upon which preliminary D&D activities (such as rendering the interior of the tank inert by filling with concrete or gravel) have taken place. These activities are intended to serve as interim measures to allow reuse of an area or to reduce the potential for a release of radiological constituents. The USTs for which interim measures have been taken are not considered closed until final action has been taken consistent with the appropriate regulatory program.

TABLE 4-4

EVALUATION OF CLOSED IN PLACE/REMOVED TANKS

AUST NO.	DESCRIPTION	STATUS	ACTION
202 through 204	Gasoline storage tanks (removed in 1986).	To be addressed as part of OU2.	FFA Program
208 through 213	Radioactive wastewater tanks (removed various dates).	To be addressed as part of OU6.	D&D Program
219, 220	Aviation fuel and waste storage (removed).	To be addressed as part of OU5.	FFA Program
222, 223	Diesel fuel storage (removed in 1989).	To be addressed as part of OU2.	FFA Program
224	Septic tank (closed in place).	To be addressed as part of OU5.	FFA Program
227 through 235	Septic tanks and basins used in solvent and fuel storage.	Closed in place.	To be scheduled for inclusion in D&D program.
237	Alpha wastewater sump.	Closed in place.	To be scheduled for inclusion in D&D program.
238 through 240	Gasoline storage tanks (removed).	To be addressed as part of OU5.	FFA Program
241	Septic tank (removed).	To be addressed as part of OU6.	D&D Program
250, 251	T Building wastewater sumps (closed).	Closed in place.	To be scheduled for inclusion in D&D Program.
260	Fuel oil storage (removed).	OU not yet assigned.	Recommended for inclusion in ER program.
261	Septic tank.	Closed in place.	To be scheduled for inclusion in D&D Program.

In Service and Inactive USTs whose primary regulatory jurisdiction is the AEA will be considered closed when D&D has finished its cleanup activities and closure verification is completed within the scope of OU6.

In Service and Inactive USTs whose primary regulatory jurisdiction is CWA will be considered when the systems are taken out of service, disconnected and cleaned, and are not intended to be returned to service.

Closure of USTs subject to the CWA and AEA will incorporate CERCLA verification soil sampling if evidence of leakage or known historical leakage exists. If leakage has occurred, sampling for the current and historic chemical and/or radionuclide constituents will be performed. CERCLA verification sampling will address other potential contaminants and provide confirmation that the soil no longer contains contamination from the tank. Excavations will remain open until receipt of validated CERCLA verification sampling results. Closure reports will be compiled but do not require USEPA or OEPA approval. Closure reports will be provided to regulatory agencies as requested.

Some tanks which have been closed in place are sumps or containments which are part of the physical structure of a building still in use. These tanks will not be removed until the building in which they are present is permanently decommissioned. USTs of this type are recommended for inclusion in the ER or D&D programs and will be maintained in the AUST data base until plans to decommission the building or remove and close the UST have been specifically identified in the appropriate program plan.



Tank No. 261			
Proposed Program ER - Proposed	Bldg 2	Location	Owner U.S.DOE
Status closed in place	Installation Date 1956	Estimated Capacity (gallons) 450	
Purpose of Tank septic tank			
Tank Material Not assigned		Tank Cathodic Protection AEA	
Inlet of Tank AEA		Outlet of Tank	
Evidence of Release		Spill/Overfill Prevention	
Substance Current/Last Stored		Tank Site Description	
Calibration/Maintenance		Tank Release Detection	
Piping Release Detection		Closure Date Last Used	
OU9 Reference No		FFA OU	
Primary Regulatory Jurisdiction		Spill Jurisdiction	
Regulatory Status In compliance			
Documents Provided			
Comments			

Tank No. 262			
Proposed Program ER - Proposed	Bldg G	Location	Owner U.S.DOE
Status inactive	Installation Date 1947	Estimated Capacity (gallons) 550	
Purpose of Tank waste oil storage			
Tank Material Not assigned		Tank Cathodic Protection AEA	
Inlet of Tank AEA		Outlet of Tank	
Evidence of Release		Spill/Overfill Prevention	
Substance Current/Last Stored		Tank Site Description	
Calibration/Maintenance		Tank Release Detection	
Piping Release Detection		Closure Date Last Used	
OU9 Reference No		FFA OU	
Primary Regulatory Jurisdiction		Spill Jurisdiction	
Regulatory Status In compliance			
Documents Provided			
Comments			

CLIENT EG&G Mound Applied Technologies		JOB NUMBER 10805-794		DATE 4/20/94		
JOB TITLE Active Underground Storage Tank Program			D&M TEAM Grantelli & Dispirito			
TANK NO. 261	BLDG/LOCATION 2	EG&G SPONSOR - Purpose D&D		OWNER U.S. DOE		
TANK STATUS Closed In Place	TANK CAPACITY (gallons) 450	INSTALLATION DATE 1956	INTERVIEWED WITH Cloud	INTERVIEW DATE 2/23/94		
TANK DESCRIPTION, Purpose of Tank Septic Tank - can be seen on old drawings. It was closed in place in 1984 with Bldg 63.						
<b>Tank Material</b> <input type="checkbox"/> Bare Steel (unprotected) <input type="checkbox"/> Composite (steel & FRP) <input type="checkbox"/> Fiberglass Reinforced Plastic <input type="checkbox"/> Stainless Steel Lined Concrete <input type="checkbox"/> Steel Lined Concrete <input checked="" type="checkbox"/> Concrete, Reinforced <input type="checkbox"/> Other - Specify <input type="checkbox"/> Unknown		<b>Tank Cathodic Protection</b> <input type="checkbox"/> Internal Lining - Specify <input type="checkbox"/> Sacrificial Anodes <input type="checkbox"/> Impressed Current <input type="checkbox"/> Composite (Steel & FRP) <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> None		<b>Inlet of Tank</b> Building 2 Test Fire <b>Outlet of Tank</b> Bldg no leach field identified		<b>History of Spills</b> No <b>Spill/Overfill Prevention</b> <input type="checkbox"/> Float Vent Valve <input type="checkbox"/> High Level Alarm <input type="checkbox"/> Auto Shutoff <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> None n/a
<b>Piping Material</b> <input type="checkbox"/> Cathodically Protected Steel <input type="checkbox"/> Bare Steel (unprotected) <input type="checkbox"/> Fiberglass Reinforced Plastic <input type="checkbox"/> Double Walled or Jacketed <input type="checkbox"/> Other - Specify <input checked="" type="checkbox"/> Unknown		<b>Substance Currently/Last Stored</b> <input type="checkbox"/> Gasoline <input type="checkbox"/> Diesel <input type="checkbox"/> Kerosene <input type="checkbox"/> Used Oil <input type="checkbox"/> Hazardous Substances - Specify <input checked="" type="checkbox"/> Other - Specify <input type="checkbox"/> Unknown Sanitary wastewater		<b>Tank Site Description</b> <input type="checkbox"/> Indoor <input checked="" type="checkbox"/> Outdoor <input type="checkbox"/> Soil <input type="checkbox"/> Asphalt/Concrete <input type="checkbox"/> Storm Drains, Potential Surface water runoff <input type="checkbox"/> Soil Staining		<b>DOE / AEC / PM No:</b> n/a <b>Calibration Records</b>  <b>Maintenance Records</b>
<b>Tank Release Detection Method</b> <input type="checkbox"/> Inventory Control <input type="checkbox"/> Manual Tank Gauging <input type="checkbox"/> Tank Tightness Testing <input type="checkbox"/> Automatic In-Tank Monitor & Inventory Control <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Groundwater Monitoring <input type="checkbox"/> Secondary Containment with Interstitial Monitoring <input type="checkbox"/> Other - Specify <input type="checkbox"/> None		<b>Piping Release Detection Method</b> <input type="checkbox"/> Pressure Piping Automatic Line Flow Restrictor <input type="checkbox"/> Pressure Piping Automatic Line Shutoff Device <input type="checkbox"/> Line Tightness Test (Pressure Annual, Suction Every 3 yrs) <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Groundwater Monitoring <input type="checkbox"/> Approved Suction Piping <input type="checkbox"/> Other - Specify <input type="checkbox"/> None		<b>Closure</b> Date of Last use 1984 Intended Replacement closed in place with Bldg 63 Closure Plan None Part of Operable Unit		<b>Primary Regulatory Jurisdiction</b> AEA <b>Spill Jurisdiction</b> AEA <b>Regulated Units</b>

DOCUMENTS, REFERENCES USED: UST Inspection Sheet; Drawing No 300200-04008

COMMENTS:

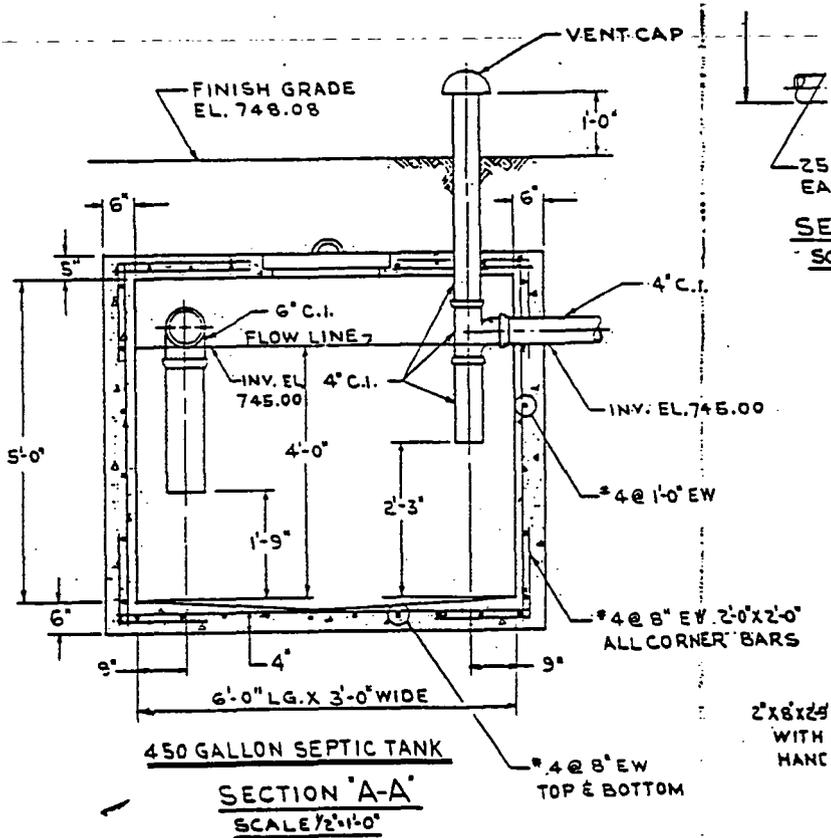
SIGNATURE

*As Grantelli*



CLIENT EG&G Mound Applied Technologies		JOB NUMBER 10805-794	DATE 4/20/94	
JOB TITLE Active Underground Storage Tank Program		D&M TEAM Grantelli & Dispirito		
TANK NO. 261	BLDG. LOCATION 2	EG&G SPONSOR Propose D & D	OWNER U.S. DOE	
TANK STATUS Closed in Place	TANK CAPACITY (gallons) 450	INSTALLATION DATE 1956	INTERVIEWED WITH Cloud	INTERVIEW DATE 2/23/94

SKETCH OF TANK/TANK SYSTEM:



COMMENTS:

SIGNATURE

*Grantelli*