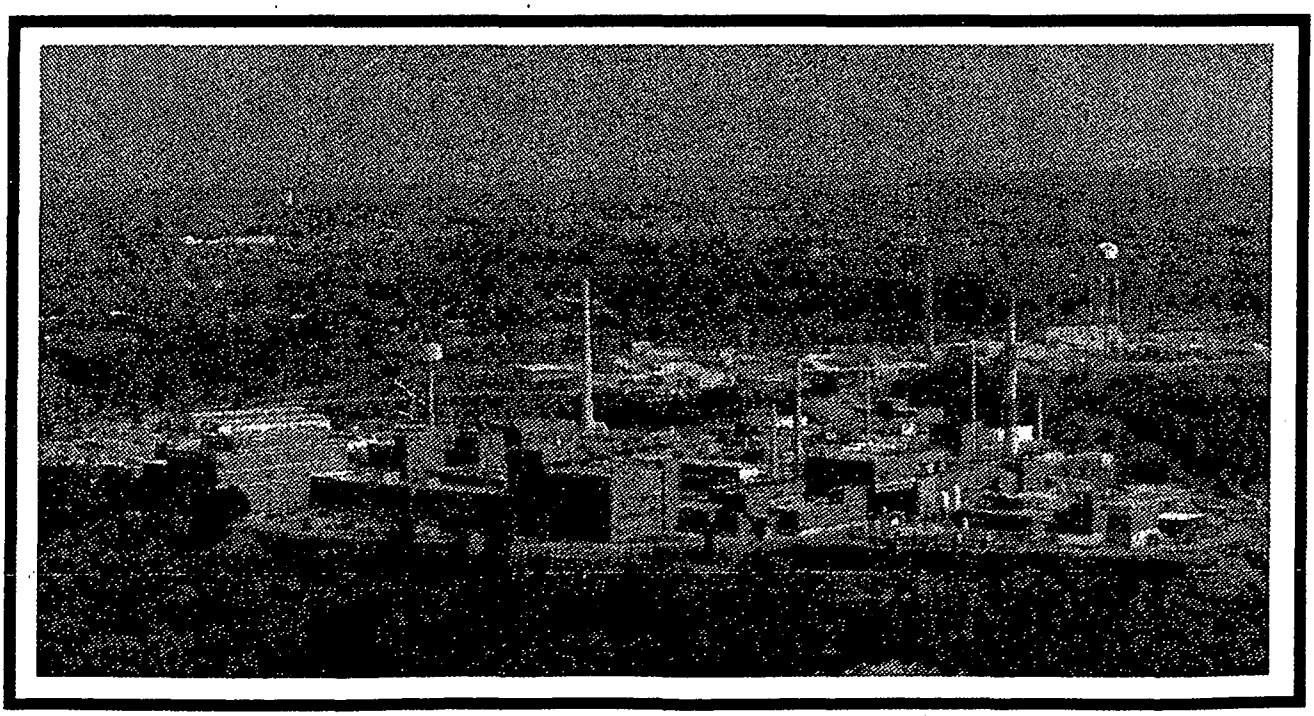
MOUND

Environmental
Restoration
Program

MOUND PLANT

Potential Release Site Package
PRS # 30



MOUND

Environmental Restoration Program

MOUND PLANT POTENTIAL RELEASE SITE PACKAGE

Notice of Public Review Period

OhioEPA

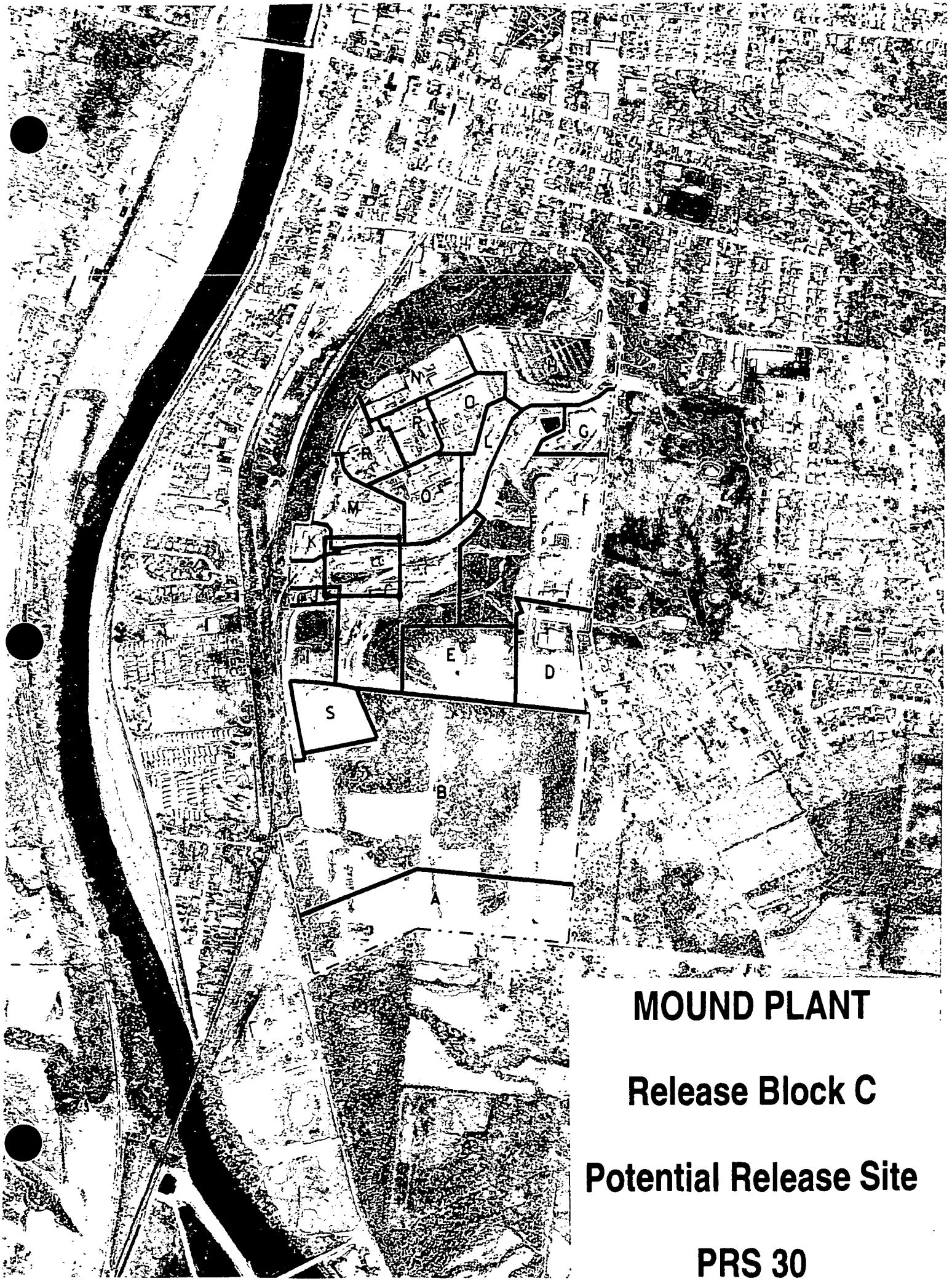
The following potential release site (PRS) packages will be available for public review in the CERCLA Public Reading Room, 305 E. Central Ave., Miamisburg, Ohio beginning June 17, 1997. Public comment will be accepted on these packages from June 17, 1997, through July 18, 1997.

PRS 30:	**Building 27 Propane Tank**
PRS 129/130:	**Former Solvent Storage Sites**
PRS 241:	**Soil Contamination - Main Hill Parking Lot Area**
PRS 307:	**Soil Contamination - Building 29**
PRS 318:	**PCB Transformer and Capacitor Locations**
PRS 320-325:	**Former Sites - Dayton Units 1-4/Dayton Warehouse/Scioto Facility**
PRS 383:	**Soil Contamination**
PRS 408:	**Soil Contamination - "Prism" Oil**

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

PRS 30

REV	DESCRIPTION	DATE
PUBLIC RELEASE **0**	Available for comments.	**Mar. 19, 1997**
FINAL **1**	Comment period expired. No comments. Recommendation page annotated.	**Sept. 29, 1997**



MOUND PLANT

Release Block C

Potential Release Site

PRS 30

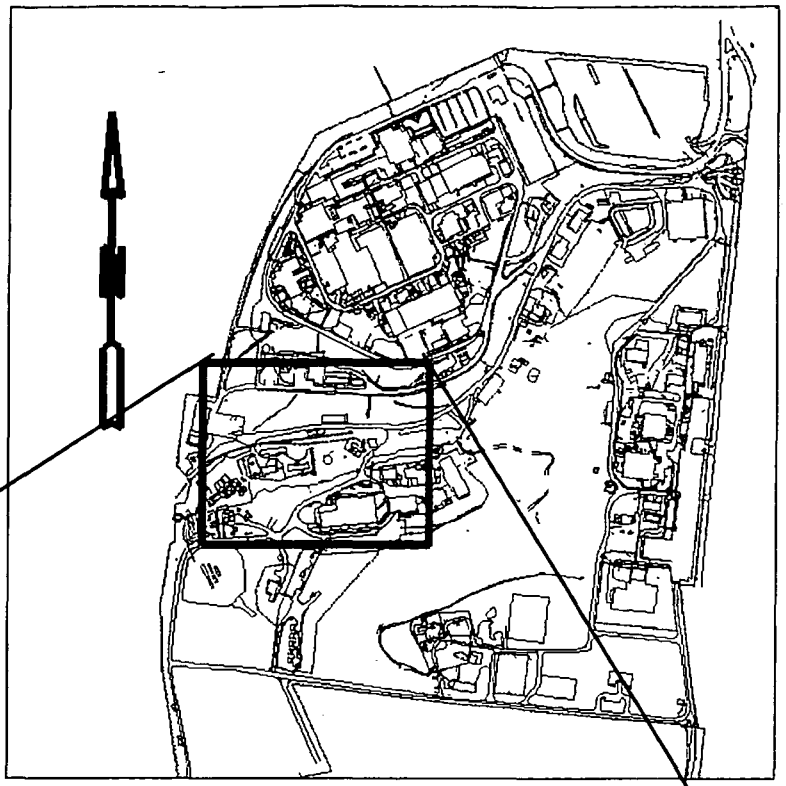

N
H
O
P
L
G
R
O F
M
K
30
E
D
S
B
A

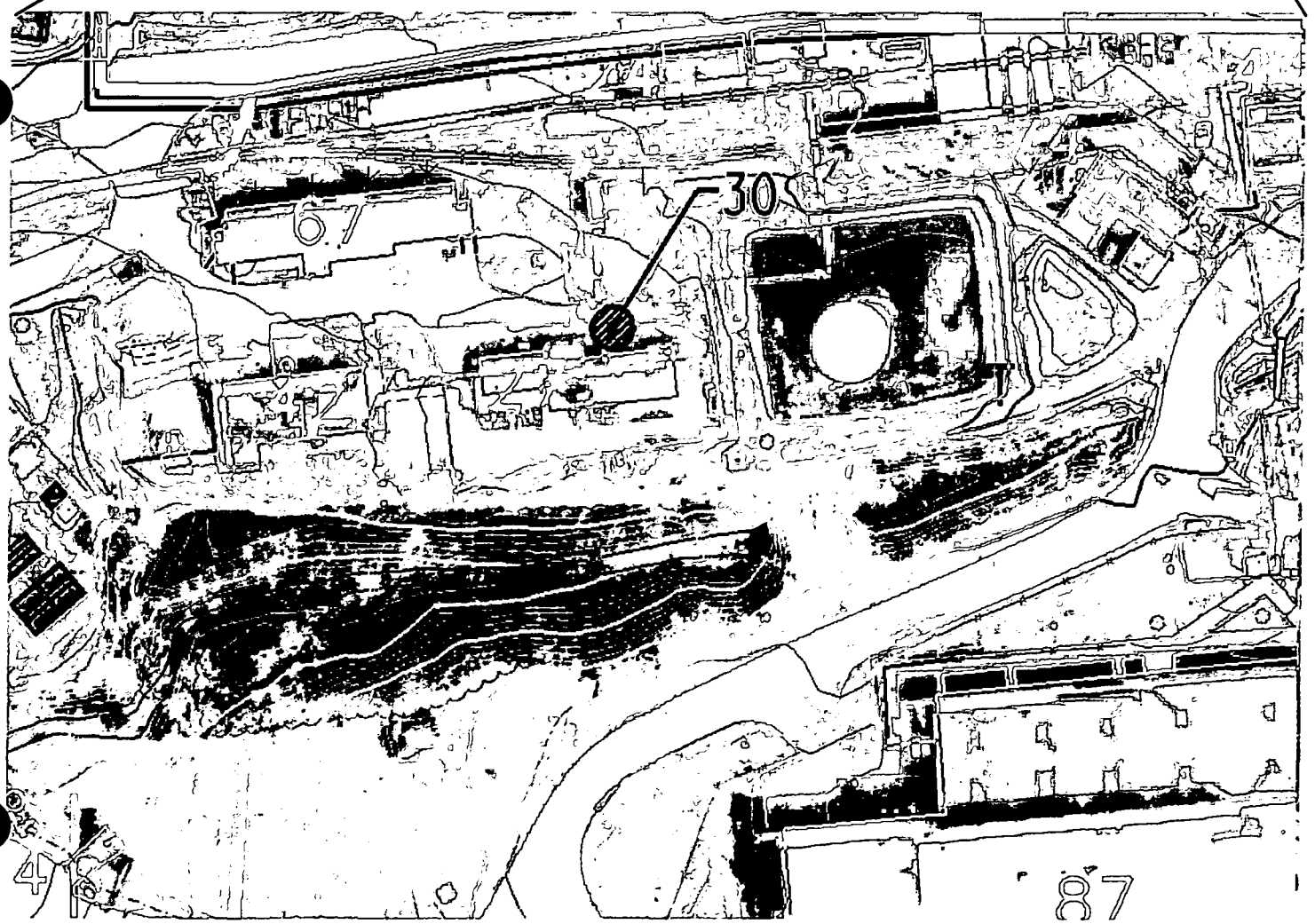
Mound Plant

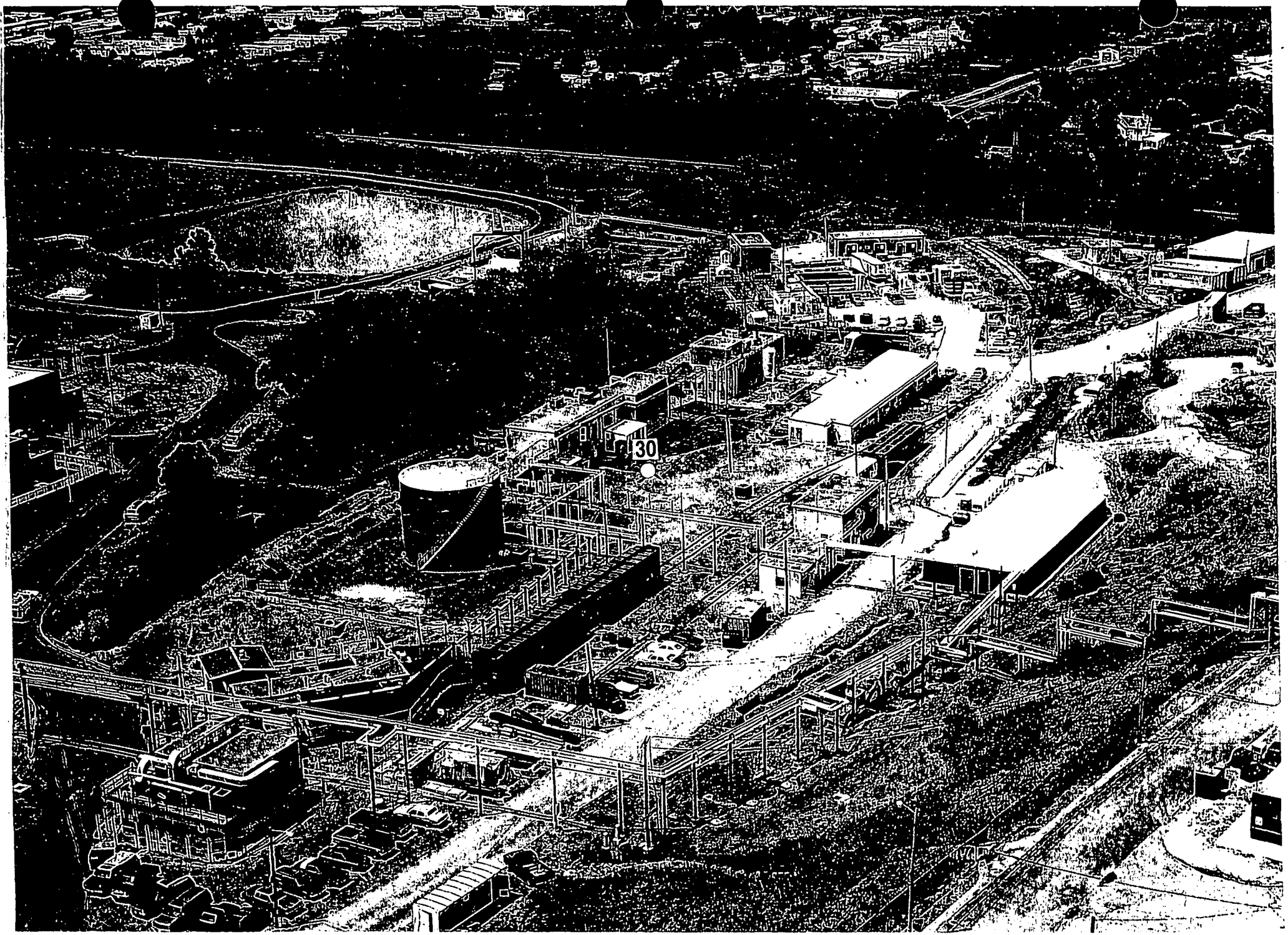
Release Block C

Potential Release Site

PRS 30






30

PRS 30

PRS HISTORY:

Potential Release Site (PRS) 30 is the site north of Building 27 where a propane tank was located. The propane was used to power an emergency generator[2]. This tank was mistakenly listed as a PRS because it was incorrectly listed as an underground fuel oil tank by the Mound Plant UST Plan.

CONTAMINATION:

There is no report of (nor suspicion of) a fuel spill at PRS 30.

READING ROOM REFERENCES:

1) OU9, Site Scoping Report: Volume 12 - Site Summary Report, December 1994. (pages 5-7)
2) Mound Plant Underground Storage Tank Program Plan and Regulatory Status Review, November 1992. (pages 8-9)

PREPARED BY:

Dean A. Buckner, Member of EG&G Technical Staff

MOUND PLANT
PRS 30
Building 27 Propane Tank

RECOMMENDATION:

Potential Release Site (PRS) 30 is the site north of Building 27 where a propane tank was located. This tank was mistakenly listed as a PRS because it was incorrectly listed as an underground fuel oil tank by the Mound Plant UST Plan.

There is no evidence of a release from this PRS. Therefore, NO FURTHER ASSESSMENT is recommended.

CONCURRENCE:

DOE/MEMP: Arthur W. Kleinrath 3/18/97
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA: Timothy J. Fisher 3/18/97
Timothy J. Fischer, Remedial Project Manager (date)

OEPA: Brian K. Nickel 3/18/97
Brian K. Nickel, Project Manager (date)

SUMMARY OF COMMENTS AND RESPONSES:

Comment period from 6/17/97 to 7/18/97

☒ No comments were received during the comment period.

☐ Comment responses can be found on page _____ of this package.

REFERENCE MATERIAL
PRS 30

Document Control No. _____

Environmental Restoration Program

OPERABLE UNIT 9 SITE SCOPING REPORT: VOLUME 12 – SITE SUMMARY REPORT

MOUND PLANT
MIAMISBURG, OHIO

December 1994

Final

U.S. Department of Energy
Ohio Field Office

EG&G Mound Applied Technologies

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
30	Building 27 Diesel Fuel Storage Tank (Tank 123) (AKA Building 27 Propane Tank)	G-6	Inactive	Tank is actually above ground	3				Not Applicable		
31	Underground Sanitary Sewer Line G5	H-5	In service	Organic solvents	5, 18			7, 18	3, 4, 5, 6, 10, 11, 12, 14, 16	Tables B.6, B.7, and B.8	7
32	Underground Sanitary Sewer Line G12	F-8 G-8		Plating solutions, Laboratory chemicals							
33	Underground Sanitary Sewer Line G14 EAST	H-5 H-6				Suspected, not confirmed	S	2, 7	3, 4, 5, 6, 10, 11, 12, 14, 16	Tables B.6, B.7, B.8, and B.9	7
34	Underground Sanitary Sewer Line G14 WEST	H-5 H-6		Nitric acid, Hydrochloric acid							
35	Underground Sanitary Sewer Lines G19 & G14	G-5		Methylene chloride							
36	Underground Sanitary Sewer Line G15	E-9		Strong acids and bases							
37	Building 51 Waste Solvent rage Tank (Tank 220)	F-8	Historical	Organic solvents, Paints, Waste oils	3, 4, 5, 18	Tank Removed 1991, VOC residuals	S	4, 23	3, 4, 5, 6, 8	Tables B.6, B.7 and B.8	7, 23
	ng 51 Waste Incinerator	F-8	Historical	Contaminants listed under Bldg. 51 Waste Solvent Storage Tank (Tank 220)	4, 5		A	4	No Data		
	ng 51 Waste Incinerator Scrubber	F-8	Historical	Combustion products from Bldg. 51 Waste Incinerator	4, 5	Water released to plant drainage ditch	SW	4	No Data		
	Building 66 Lot	F-8	Grounds	Plutonium-238 from unknown source	6	Plutonium-238	S	6	13	Table B.1 RSS[c] Location S0323 (Appendix E in Ref. 6)	6

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)

2.2.9. Building TF2: Diesel Fuel Storage Tank (Tank 122)

Although reported in the Mound Plant UST Plan as an active underground diesel fuel storage tank (NUS, 1989), Mound Plant documentation and discussions with Mound Plant personnel indicate that this tank was actually an aboveground propane tank that formerly supplied an emergency generator (Andersen, 1990a; Burdg, 1991b). Although it has been recently reported that a heating fuel oil UST existed near Building TF2 in the 1950s to 1960s (Hill, 1992), unless additional information is found to confirm the existence of such a tank, the ER Program (FFA) will continue on the assumption that only a propane tank existed at that location. As a result, the tank and its location can be deleted as a concern as a UST.

2.2.10. Building 27: Diesel Fuel Storage Tank (Tank 123)

Although reported as an active underground diesel fuel storage tank in the Mound Plant UST Plan, Mound Plant documentation and discussions with Mound Plant personnel indicate that this tank was actually an aboveground propane tank that formerly supplied an emergency generator (Andersen, 1990a; Burdg, 1991b). The propane tank may also have been used to supply trailers in the area of Building 27 (Fischbein, 1992). As a result, the tank and its location can be deleted as a concern as a UST.

2.2.11. Building T, Room T1: Cooling Water Sump (Tank 124)

A 350-gallon, steel-lined concrete sump, designated on construction drawings as Sump #1, is used to collect single pass, non-contact cooling water from equipment cooling systems. The sump drains via pressurized piping to the Mound Plant stormwater system that discharges pursuant to CWA §402 (NPDES) (O.A.C. 3745-33). The tank is reported to have received only cooling water and, accordingly, is not subject to RCRA hazardous waste or UST regulations (Andersen, 1991e).

2.2.12. Building T, Corridor 2: Sanitary Wastewater Sump (Tank 125)

A 350-gallon, steel-lined concrete sump, designated on construction drawings as Sump #2, collects sanitary wastewater from restrooms. The sump drains via pressurized piping to sanitary waste treatment at the Building 57 New Sewage Disposal Area Building.

This tank is and part of a wastewater treatment system that discharges subject to CWA §402 (NPDES) (O.A.C. 3745-33) regulations. Since this tank has received only sanitary waste, it is not subject to RCRA hazardous waste tank regulations nor 40 CFR Part 280 (