OVERSIZE PAGES

LOCATED AT

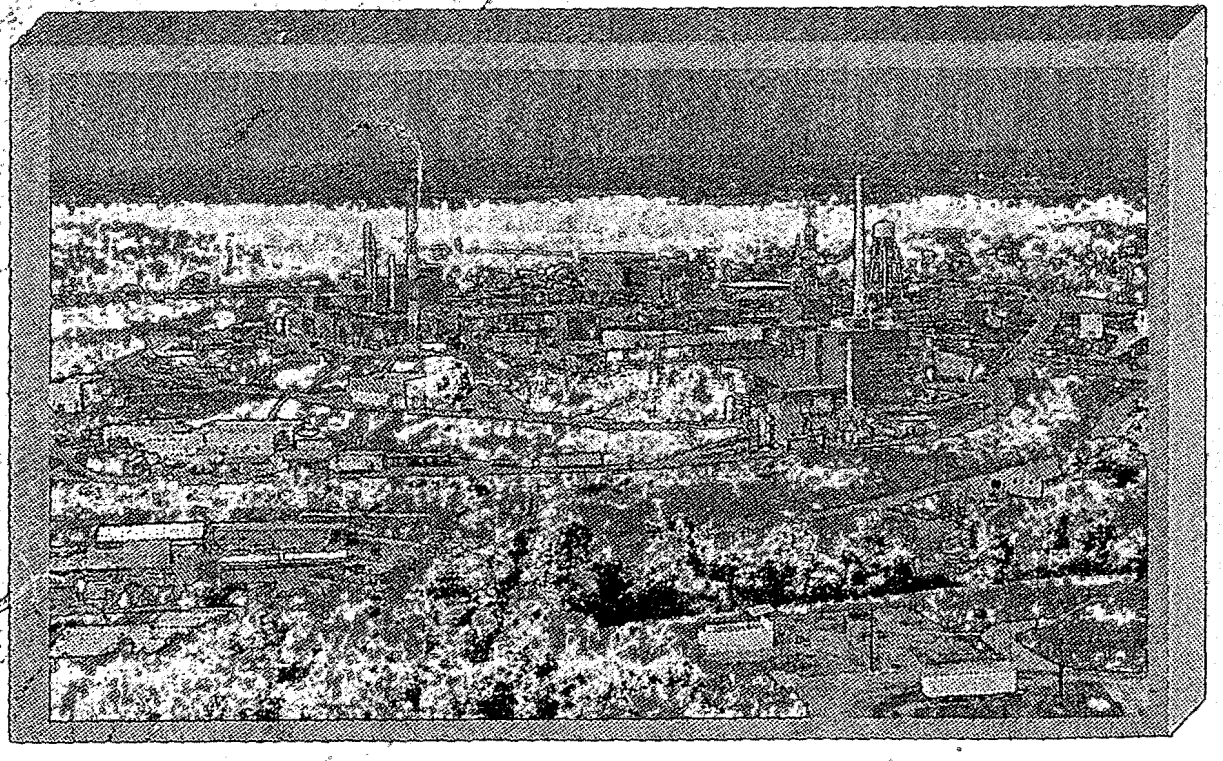
END OF

DOCUMENT

MOUND

Environmental Restoration Program

MOUND PLANT
Building Data Package
GIS Building
Located within Release Block H



BDP GIS

REV	DESCRIPTION	DATE
PUBLIC RELEASE 0	Available for comments.	Sept. 04, 1997
FINAL 1	Comment period expired. No comments. Press release inserted.	Nov. 04, 1997

MOUND

Environmental Restoration Program

MOUND PLANT BUILDING DATA PACKAGE

Notice of Public Review Period

The following Building Data Packages will be available for public review in the CERCLA Public Reading Room, 305 E. Central Ave., Miamisburg, Ohio beginning September 18, 1997. Public comment will be accepted on these packages from September 18, 1997, through October 20, 1997.

BDP GIS Bldg.:	**Guard Island**
BDP GP-5 Bldg:	**Guard Post**
BDP Bldg. 100:	**Training and Offices**
BDP Bldg. 105:	**Parts Machining**

Written comments may be sent to Mound Community Relations, P.O. Box 3000, Miamisburg, Ohio 45343-3000 or by E-Mail to nowksl@doe-md.gov.
Questions can be referred to Mound's Community Relations at (937) 865-4140.

Mound Plant Recommendation
GIS

BACKGROUND:

Building GIS is an unoccupied guard post. It is located on Mound Road at the northern end of the Mound Plant, north of Building GH. The building is a 166 square-foot building with a brick face, glass windows and a built-up membrane asphalt roof. There is electrical service of 240V and electric heat. It was constructed in 1948.

The building is currently unoccupied. Previously, it was used as a checkpoint island for security when entering the main hill portion of the plant.

RECOMMENDATION:

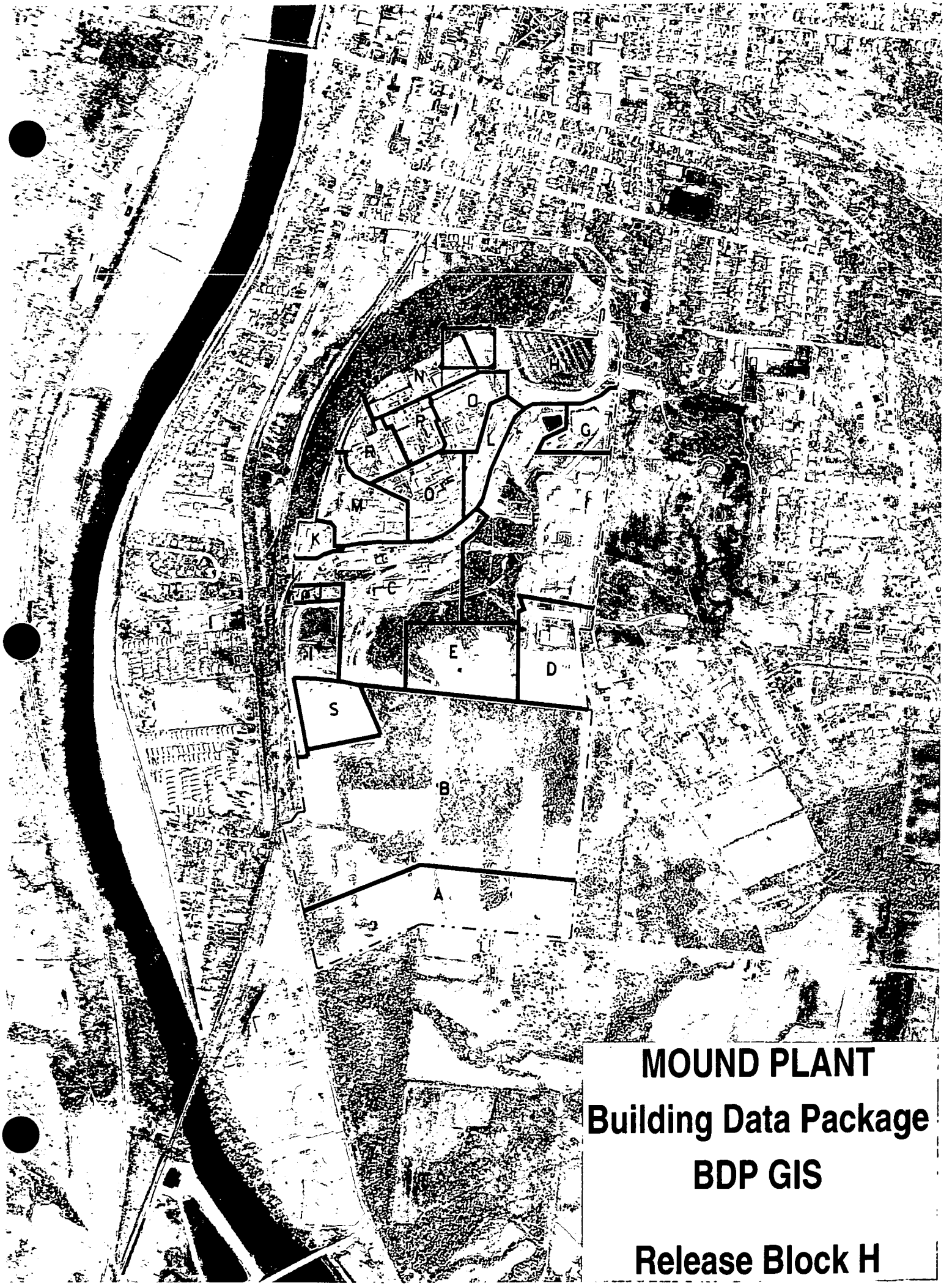
After thorough review of the environmental data and the building data package, the Core Team agrees that all existing environmental issues associated with Building GIS have been resolved. Future use of Building GIS, if left in place, shall be restricted to industrial/commercial use. The Core Team hereby recommends that the U.S. Department of Energy submit a letter to the Administrator of the U.S. EPA for final approval of the lease or sale of this property, as required by Section 120(h) of CERCLA.

CONCURRENCE:

DOE/MEMP: Sam Cheng 5-14-97
Sam Cheng, D&D Team Leader (date)

USEPA: Timothy J. Fischer 5/14/97
Timothy J. Fischer, Rem. Proj. Mgr. (date)

OEPA: Brian K. Nickel 5/14/97
Brian K. Nickel, Project Manager (date)



MOUND PLANT

Building Data Package

BDP GIS

Release Block H

GIS
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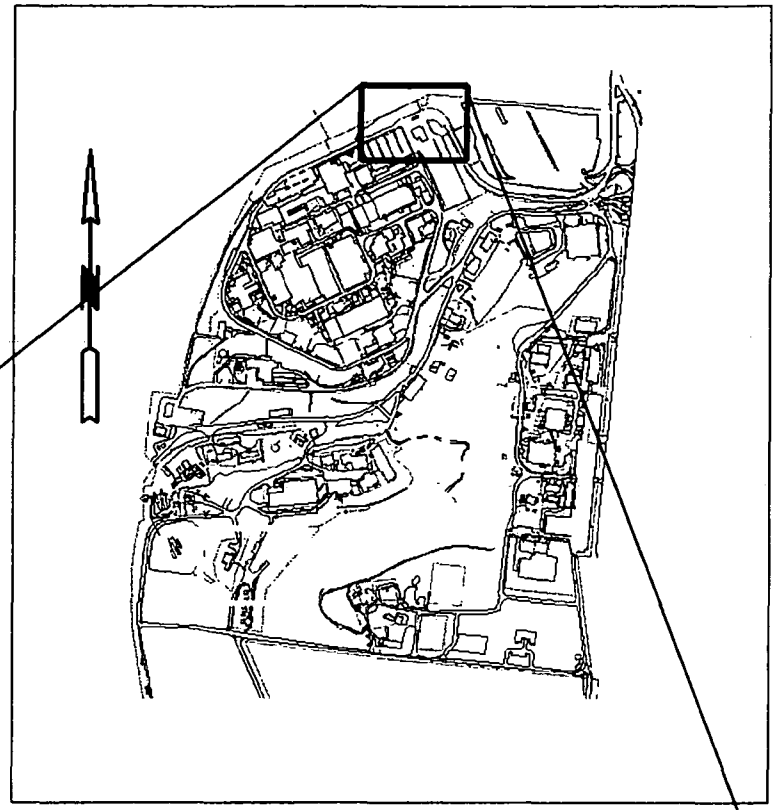
Mound Plant

GIS Building

Guard Island

Release Block H

On the map below:
- Building number and location shown in black
- PRS locations and numbers shown in blue
- Surrounding buildings shown in green
- Fencing shown in red
- Elevation contours shown in brown



BUILDING DATA PACKAGE (BDP)

GIS BUILDING

DOE MOUND PLANT

MIAMISBURG, OHIO 45343

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1.0 Summary

1.1 General

This document has been prepared in response to an agreement between the Department of Energy (DOE), the U.S. Environmental Protection Agency, and the Ohio Environmental Protection Agency. It is a Building Data Package of GIS Building located at the DOE Mound Plant in Miamisburg, Ohio. This investigation was performed in accordance with the procedures laid out in ASTM Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process (Designation E1527-94).

An investigation of GIS Building was performed between March 26 and April 28, 1997. This investigation included a review of the historical aerial photographs and maps, a review of federal and state regulatory agency records, and a review of Mound records. In addition, a radiological survey, lead survey, and asbestos survey were conducted. The results of those inspections are found in Appendix 7.6. An analysis and inspection survey was performed of the building and of an area within a distance of 15 feet from the building outer perimeter. (See paragraph 3.2 and 5.1). In addition, personnel who worked in or have special responsibility for the building were interviewed to determine if there was any reason for special concerns about the building. (See paragraph 5.8.)

Mound Plant is located in the southern portion of the corporation limits of Miamisburg, Ohio. The entire Mound Plant facility is situated on 305 acres of land and contains approximately 130 buildings. The subject property consists of Mound Plant GIS Building footprint and an arbitrary 15-foot wide perimeter around the building. GIS Building contains 166 gross square feet (external wall to external wall). It has served primarily as a guard post and inspection station to control traffic into and out of the Mound Plant, which manufactured components for the United States nuclear stockpile.

1.2 Statement of Environmental Concerns

Based on the historical use of GIS Building (to include its 15 foot perimeter), and its location within a PRS binned as "No Further Assessment" (NFA), no further soil sampling was determined to be required.

2.0 Introduction

2.1 Purpose

The purpose of this Building Data Package is to identify, as possible, any recognized environmental conditions (defined below) that may affect the subject property.

2.2 Special Terms and Conditions

Key Site Manager – The Key Site Manager is the person identified by the owner of a property as having good knowledge of the uses and physical characteristics of the property. This individual is frequently, but not necessarily always, the Building Manager. Ms. Kathy Koehler, Building Manager, has been designated as the Key Site Manager for GIS Building

Recognized Environmental Condition – The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a likely release, a past release, or a material threat of a release of any hazardous substances or petroleum into structures or into the ground, ground water, or surface water near the building. The term is not intended to include *deminimis* conditions that generally do not present a material risk of harm to public health or the environment, and that generally would not be the subject of an enforcement action brought to the attention of the appropriate governmental agencies.

2.3 Limitations and Exceptions of Assessment

No production or other processes occurred in the vicinity of the GIS Building. GIS building does lie in PRS 241 which was studied and binned NFA. Therefore, it was determined that no further soil samples are required in proximity to the building.

2.4 Limiting Conditions and Methodology Used

2.4.1 On-Site Methodology

Mound Plant Personnel examined the site on March 31, 1997. This examination consisted of a detailed inspection of the site and border survey of the neighboring properties.

2.4.2 Use of Previous Assessments

This report used a variety of previous assessments completed by EG&G Mound and/or its subcontractors. The reports used were as follows.

- OU-9 Site Scoping Report, Volumes 1-12
- Mound Facility Physical Characterization, December 1992
- Active Underground Storage Plan, November 1994.
- OU-9 Hydrological Investigation Bedrock Report, January 1994
- OU-9 Hydrological Investigation, Buried Valley Aquifer Report, Marcy 1994
- Asbestos Surveys
- Environmental Appraisal of the Mound Plant, March 1996

2.4.3 Historical Information

A complete title search of the Mound Plant was completed on June 3, 1995 for the site to determine the previous owners of the site. A copy of the report is in Appendix 7.3.

2.4.4 Records Review

Environmental Data Resources (EDR), Inc., of Southport, Connecticut, a regulatory database search company, was contracted in 1995 to provide environmental regulatory information concerning the site and surrounding properties, consistent with the requirements of ASTM Standard E1527-94. This information was reviewed by Environmental Restoration personnel for indications of recognized environmental conditions. (See Appendix 7.4.)

3.0 Site Description

3.1 Location and Legal Description

GIS Building is located at the U.S. Department of Energy Facility known as Mound Plant. Mound is situated in the city of Miamisburg, Miami Township, Montgomery County, state of Ohio, and is being a track of land containing 305.116 acres, more or less, situated in part of Section 30 and fractional Sections 35 and 36, Town 2, Range MRS and being all of city lots numbered 2259, 2290, 4777, 4778, and 4779 and part of out lot #6 lying within the city of Miamisburg, Ohio; and being the same premises convened in Warranty Deeds recorded in Volume 1214, pages 10, 12, 15, and 17, Volume 1215, page 347, Volume 1214, page 248, Volume 1246, page 45, Volume 1258, page 74, Volume 1258, Volume 1256, page 179, and microfiche no. 81-376A01 and microfiche #81-323. Deed records, maps, and site plans are in Appendices 7.2 and 7.3.

3.2 Site and Vicinity Characteristics

The subject site consists of the GIS Building footprint and the area surrounding for a distance of 15 feet. The building is completely surrounded by pavement, being the main entrance to the Main Hill and parking lots. To the southeast of the building, approximately 40 feet, lies GH Building. To the northeast, approximately 40, lies the main gate to the Main Hill. (See Appendix 7.2.)

The Mound facility is situated on 305 acres of land and contains approximately 130 buildings with a total of approximately 1.4 million square feet of floor space (the number of buildings is constantly diminishing as buildings are decommissioned and either sold or demolished). The original 182-acre site, purchased by the Manhattan Engineering District in 1946, consists of two hills and an intervening valley that runs approximately east and west. GIS Building is located on the Main Hill. The 124-acre tract, acquired in 1981, is an undeveloped mixture of fields and woods that undulates and slopes downward to the west, away from the main site. This area was acquired to serve as a buffer and has been used as a staging area and parking area for contractors working on-site.

To the west lies a Conrail Railroad line and the north south trending Miami-Erie canal. The northern boundaries of the site abuts the historic residential area of Miamisburg, Ohio. Mound Road marks the northern half of the eastern perimeter of the facility then veers east, away from the southern half of the eastern boundary. A public golf course (belonging to the City of Miamisburg), the Miamisburg Mound Memorial Park, old

agricultural fields, residential lots, and vacant wooded lots border against the facility along Mound Road. Benner Road forms the southern property line of the Mound Plant, with agricultural fields and farms occupying the lands beyond.

3.3 Description of Structures, Roads, Other Improvements on the Site

GIS Building is not connected to any of these systems. It has two electric heaters, no air conditioning, no water, and no sewer service.

3.4 Information Reported by User Regarding Environmental Liens or Specialized Knowledge or Experience

The title search completed on June 3, 1995 indicated one lien against the property. That resulted from an unpaid Montgomery County incinerator fee. After this was discovered, the fee was paid and the lien was removed from the title.

3.5 Current Uses of GIS Building

GIS Building has a concrete block base covered with a brick façade. The upper two thirds of the building are bullet resistant lexan supported in a metal frame that also supports the roof. It was constructed on 1947 for a cost of $8,500 and was built to serve as a guard shelter for inspecting incoming traffic. Its HVAC equipment consists of two electric heaters.

The building has been vacant and unused since 1993.

3.6 Past Uses of GIS Building

GIS has had only one use in its history and has served as a shelter for the Mound Security Force as it controlled traffic into and out of the site.

3.7 Current and Past Uses of Adjacent Buildings

The only building in the immediate vicinity of GIS Building is GH Building. GH Building was built in 1947 as an office building and has been used as such since its construction. It has never contained any industrial operation. It contains 5,347 square feet. There is no indication that any of the operations ever occurring in GH Building have had any environmental or health impact on GIS Building.

4.0 Records Review

4.1 Standard Environmental Record Sources, Federal and State

Environmental Data Resources (EDR), Inc., of Southport, Connecticut provided information regarding sites in the vicinity of the subject site, which appear in regulatory agency summaries and databases. Sites under the jurisdiction of various regulatory offices or programs were included in the EDR search report, provided in Appendix 7.4.

There are fourteen sites within the appropriate (see EDR document, Appendix 7.4) radii for an ASTM Phase I Environmental Site Assessment search. The properties are designated in Table 1 as well as in the EDR report.

All of the identified sites listed in Table 1 are located north or west of the Mound Plant. These other sites are as much as 170 feet lower in elevation than the Mound Plant main hill; thus they are down gradient or down slope in terms of surface water, and probably ground water flow. These other sites are very unlikely to adversely effect the soil or ground water conditions at the subject site.

The Mound Plant site was identified as a contaminated site on the National Priority List under CERCLA (Superfund) in 1989. The Mound Plant site was originally listed as a consequence of historic disposal practices including use of a commercial/industrial landfill, various spills, and the use of underground storage tanks, resulting in the contamination of soils and drinking water. The original contaminants of concern were calcium cyanide, copper cyanide, plutonium and its isotopes, and compounds, specifically plutonium-238, and uranium, its isotopes and compounds. The clean-up of the Mound Site was originally to be accomplished under the CERCLA mandated procedures for regulating Superfund Sites using the operable unit (OU) system to define and characterize clean-up areas. As the clean-up effort went forward, it became apparent that the Mound Site did not fit the profile for a clean-up strategy based on operable units. The Department of Energy (DOE), the United States Environmental Protection Agency (USEPA), and the Ohio Environmental Protection Agency (OEPA) designed a new decision making process for the clean-up of Mound. The new process is known formally as a "removal site evaluation process" and informally as the "Mound 2000 process". The Mound 2000 process system divided Mound into 19 Release Blocks containing over 400 Potential Release Sites (PRSs) with approximately 200 concerned with potentially contaminated soils, and the balance with potential contamination in buildings.

In compliance with permit requirements under RCRA, the Clean Water Act (CWA), the Safe Drinking Water Act (SDWA), and the Clean Air Act (CAA), the Mound Plant has applied for or has received permits for its surface water discharges, air emissions, and hazardous waste program. The Mound Plant has submitted both RCRA Part A and Part B permit applications and operates as a RCRA hazardous waste treatment and storage facility under and interim status. Mound Plant also maintains an NPDES surface water discharge permit with Facility I.D. Number OH 009857. Permits for the open burning of wastes involving explosives and other fuels have been issued by the Regional Air Pollution Control Agency (RAPCA). Other operations that produce particulate or vaporous emissions are registered with RAPCA and OEPA. The Mound also submits annual Emergency and Hazardous Chemical Inventory forms to the OEPA, pursuant to SARA, Title III, the Emergency Planning and Community Right-to-Know Act. The 1995 version of this report indicated that no chemicals are stored in GIS building in quantities above the regulatory threshold.

Table 1. Properties of ASTM Phase I Environmental Sites Assessment

Address and Property Name	Proximity	Status
U.S. DOE Mound Plant	Mound Road Miamisburg, OH (target property)	NPL, PADS, CERLIS, LUST, & TRIS
D.J. Ceramics	611 S. Main Street Miamisburg, OH (WNW)	LUST
CG&R	901 S. Main Street Miamisburg, OH (W)	LUST
GMC Delco Products Division	329 E. First Street Miamisburg, OH (NNW)	RCRIS-SQG, FINDS
Dayton Public Schools	348 W. First Street Miamisburg, OH (NNW)	RCRIS-SQG, FINDS
City of Miamisburg Pump Station	1021 S. Main Street Miamisburg, OH (WSW)	UST
Richard Church, Sr. Estate	1009 S. Main Street Miamisburg, OH	LUST
Presto Adhesive Paper Co., Inc.	222 Mound Avenue Miamisburg, OH (N)	RCRIS-LQG, FINDS
Plocher Andrew Sons	4128 E. First Street Miamisburg, OH (N)	RCRIS-SQG, FINDS
Shell Oil Co.	1224 S. Main Street Miamisburg, OH	LUST
Point Store	155 S. Main Street Miamisburg, OH (N)	LUST
Miamisburg Water Treatment Plant	302 S. Riverview Miamisburg, OH (NW)	LUST
Miamisburg Well Field/Unknown Source	302 S. Riverview Miamisburg, OH (NW)	LUST
Technicote, Inc.	222 Mound Avenue Miamisburg, OH (N)	RCRIS-SQG, UST, LUST

4.2 Physical Setting Source(s)

See Appendix 7.2.

4.3 Historical Use Information

A history of the site was developed to identify past uses that may have an environmental impact. A title search was performed on June 3, 1995 to establish a history of ownership. The history of operations comes from other documents. In the summer of 1942, the United States Army organized the Manhattan Energy District for the purpose of developing an atomic bomb. This undertaking became known as the "Manhattan Project." In 1943, the director of Monsanto Chemical Company (MCC, now Monsanto Corporation) Central Research department in Dayton, Ohio, accepted the responsibility for chemistry and the metallurgy of radioactive polonium-210, and the Dayton Project was launched. MCC operated five (5) units of the Dayton Project at various locations around the Dayton area. For Dayton Unit V (more formally known as the Dayton Engineer Works under the Dayton Engineer District), a 128-acre site on the outskirts of the town of Miamisburg, Montgomery County, Ohio, was selected in 1946 as the location for a permanent research facility in support of the Manhattan Project. In July 1946, the Monsanto Research Corporation (MRC), a subsidiary of MCC, engaged the firm of Giffels and Vallet of Detroit, Michigan, to design the plant. Construction of the new facility, consisting of fourteen (14) original buildings began in February 1947 by Maxon Construction Co., Dayton, Ohio. The plant was the first permanent facility of the Atomic Energy Commission, which succeeded the wartime Manhattan Engineering District. The Mound Plant was occupied by MRC personnel in May 1948 and operations involving radionuclides began in January 1949.

Mound Plant is a Government Owned/Contractor Operated (GOCO) facility, originally administered under the Oak Ridge Operations office of the AEC. The plant was assigned new production and development functions in 1955 when the administrative control was assumed by the AEC's Santa Fe operations office. The Santa Fe Operations Office was changed to the Albuquerque Operations office in April 1956. In January 1975, upon the dissolution of the AEC, the plant formally came under the Energy Research and Development Administration. In October 1977, the plant was incorporated into the DOE complex and the facility designation was changed from Mound Laboratory to Mound Plant. MRC was the sole operating contractor until October 1988 when EG&G Mound Applied Technologies took over.

GIS Building was constructed in 1947 as a guard shelter. No waste was generated or stored in this building.

4.4 Additional Record Sources

4.4.1 History of Past Spills and Releases

4.4.1.1 Associated PRS Overview

As a result of the investigations and documentation conducted to comply with the CERCLA cleanup process via the FFA/DOE ER program, DOE and EG&G Mound Applied Technologies have tabulated all the Potential Release Sites (PRSs) identified under the various regulatory programs in effect at the site. Many additional contaminants of concern and types of operations were identified beyond the original NPL listing of site activities. A total of 413 PRSs have been identified. Of these 413 PRSs, none was attributed to operations in GIS Building.

GIS Building is located within PRS 241. This is a fill area that was binned on May 13, 1997, as requiring "No Further Assessment."

4.4.1.2 Occurrence Reports

There are no occurrence reports associated with GIS Building.

4.4.2 Past Sampling Data

4.4.2.1 Radiation Surveys

The radiation survey was conducted on this building on April 9, 1997. A wipe and scan survey was accomplished per the requirements of the property/waste release evaluation for this building. The radiological characterization summary indicates that no radiological contamination was detected above the DOE 5400.5 guidelines, NUREG 1500 Guidelines, or the Attachment 1 limit (MD-90043). Note page 11 and Appendix 7.6.1.

4.4.2.2 Chemical History

The Environmental Appraisal of the Mound Plant, March 1996, indicates no chemicals have ever been stored or handled in GIS Building.

Radiological Characterization Summary
GIS Building

Type	RSDS	Location	Amount (dpm/100 cm2)	5400.5 Guidelines for Groups 1,3,4 (fixed + Loose) (dpm/100 cm2)	NUREG 1500 Guidelines (loose) (dpm/100 cm2)
Highest Alpha Smearable Activity	97-SW-677	Window Frame	4	20	211
Highest Alpha Fixed Activity	97-SW-677	All	<100	100	Note 1
Highest Beta Smearable Activity	97-SW-677	Door Knob	5	1,000	9940
Highest Beta Fixed Axtivity	97-SW-677	All	<5000	5,000	Note 1
Highest Tritium Smearable Activity	97-SW-677	South Wall	215	1,000	Note 1

Note 1: NUREG-1500 gives guidelines for loose beta and alpha only.
Note 2: The limits referenced above are based on MD-80043, Radiological Work Requirements Procedure 400 "Transfer of Radioactive Material and Unrestricted Release of Property/Waste" Attachment 1.

EG&G Reviewed on 04/28/97

4.4.2.3 Lead Paint

The lead survey is located in Appendix 7.6. No lead was found in GIS Building.

4.4.2.4 Asbestos

The asbestos survey is located in Appendix 7.6. Asbestos floor tile was identified in GIS Building as non-friable. Also, an abandonded steam heat line was present which was insulated with asbestos and was over-wrapped to contain any friable material. This line was removed.

4.4.2.5 Radon

There are no records of any radon survey ever being held on GIS Building. The building has no subterranean portions where radon might accumulate and it is thoroughly vented through two opposing doors. Any radon that might ever have entered the building would have been vented immediately. It is highly improbable that any accumulation of radon would be present in the building.

4.4.3 Chemicals Removed After Mission End

Safe shutdown activities did not remove any chemicals from GIS Building. There were no chemicals involved in the daily operations of this facility.

4.4.4 Reviews of Building Prints

Building print, 350700-02003, prepared in 1947 was reviewed. It does not include details of any soil disturbances, cut-and-fill site work, or soil boring logs and profile. There are no indications on this drawing of any major soil disturbances beyond that necessary to build the road or building foundation. There are no sewer lines, fire lines, etc., buried by the building. See Appendix 7.2.

4.4.5 Aerial Photographs

Aerial photographs from 1994, 1983, 1973, 1968, 1965, 1959, 1949 and 1938 were reviewed and copies are found in Appendix 7.2.

The 1938 photograph shows that the Mound Plant site was agricultural fields and undeveloped wooded lots. The historic Miamisburg Indian Mound is visible for a location reference.

The 1949 photograph shows the completed initial phase of construction on the Mound Plant Main Hill. Approximately fourteen (14) buildings are visible. Roadways on both the Main Hill and the eastern hill are present.

The overall Mound Plant facilities, as depicted in the 1968, 1973, 1983, and 1994 photographs continue to show change and expansion.

GIS Building is visible in the photographs dating after 1938.

5.0 Site Reconnaissance

5.1 Hazardous Substances in Connection with Identified Uses

5.1.1 Space

The building is a single room, empty of any equipment other than two tables, some electrical switches for controlling the gate, and two electric heaters.

5.1.2 Heating/Cooling

GIS Building has two electric space heaters and no air conditioning.

5.1.3 Stains or Corrosion

No stains or leaks were observed in the subject building.

Corrosion was observed inside the building in two pipes embedded in the floor. These pipes are structural members of the building and were apparently used to support a rack. They were never part of a drainage system. Corrosion is to be found on several external metal portions of the building and door frames, but it is most probably due to weather and salt used to control ice and snow on the roadway that surrounds the building.

5.1.4 Drains and Sumps

No drains or sumps were located in the subject building

5.1.5 Wastewater

Storm water is directed down the roadway. There are no storm sewer inlets in the immediate vicinity of the building.

5.1.6 Septic Systems

No evidence of a septic system was noted or is known to have ever existed in the immediate vicinity of the building.

5.1.7 Suspected Asbestos Containing Material

The asbestos survey is located in Appendix 7.6. Asbestos floor tile was identified in GIS Building as non-friable. Also, an abandonded steam heat line was present which was insulated with asbestos and

was over-wrapped to contain any friable material. This line was removed.

GIS Building has ACM in the floor tile. The tile is in a non-friable condition.

5.1.8 Paint

A survey for lead paint was performed on August 9, 1995, and no lead was found. The results are found in Appendix 7.6.3.

5.1.9 Fluorescent Lamps

Fluorescent lamps were not used for lighting. Incandescent lighting was used.

5.2 Hazardous Substance Containers and Unidentified Substance Containers

No chemicals or containers were found in or near the building.

5.3 Storage Tanks

No storage tanks are associated with the building.

5.4 Indications of PCBs

Under the Toxic Substances Control Act (TSCA), the EPA regulates the manufacture, distribution, and use of PCBs. PCBs are a know carcinogen and are persistent in the environment. They are formerly widely used in the dielectric fluid of electrical transformers and capacitors, and in the oil of hydraulic systems. PCBs may also be present in the ballasts of fluorescent lamps. However, GIS Building uses incandescent lighting. There are no indications of PCBs ever being in GIS Building.

5.5 Indications of Solid Waste Disposal

No solid waste was observed in the building. No evidence of hazardous waste was noted in the immediate vicinity of the building. No containers related to any PRS sites are located near GIS Building.

5.6 Physical Setting Analysis, If Migrating Hazardous Substances Are An Issue

Migrating hazardous substances are not an issue.

5.7 Other Conditions of Concern

There are no other considerations of concern relating to GIS Building.

5.8 Recent Interviews

An interview was held with Ms. Kathy Koehler on April 17, 1997. She has 13 years of service at the Mound Plant, has served as GIS Building Manager since 1993. She is currently employed as the Building Manager for Sites and Grounds at Mound.

Further interviews were held with Carol J. Collins, Curtis W. Sweeny, and Charles A. Bird. All three are senior Mound security officers. These individuals have been at Mound in excess of 20 years and have spent numerous hours in GIS Building performing their security functions. They are all in agreement on what has and has not occurred in GIS Building.

The following is a summary of events, practices, and operations in GIS Building:

- The Building was used to shelter the Mound Security force from the weather.
- No fires, explosions, or other accidents have occurred in the building. Occurrence Reporting and Processing System (ORPS) documentation was reviewed from 1991 to present and no incidents were identified.
- No underground storage tanks have existed on the building's site.
- The area was undeveloped prior to the construction of the subject building.

6.0 Findings and Observations

This GIS Building Data Package was prepared by Mound Plant personnel. The exceptions to, or deletions from, the standard Mound Plant procedure are described in Section 2.3 of this report.

Findings and observations are noted in the preceding sections of this document.

6.1 Environmental Concern Evaluation (Matrix)

See the following table.

GIS BUILDING: ENVIRONMENTAL CONCERN EVALUATION

DESCRIPTION	POTENTIAL PROBLEM?	COMMENT	PROPOSED RESOLUTION	REFERENCE
		No environmental concerns.		

7.0 Appendices

7.1 Acronyms

AEA	Atomic Energy Act of 1954
AEC	Atomic Energy Commission
ACM	Asbestos Containing Materials
AL	US Department of Energy, Albuquerque Operations Office
ASTM	American Society for Testing and Materials
BUSTR	Bureau of Underground Storage Tank Regulations
CAA	Clean Air Act
CEG	Conditionally Exempt Generator
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
COD	Chemical Oxygen Demand
CWA	Clean Water Act
COD	Chemical Oxygen Demand
CWA	Clean Water Act
D&D	Decontamination and Decomissioning
DOE	U.S. Department of Energy
DPM	Disintegrations Per Minute
EMF	Electromagnetic Field
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration (Program)
ERDA	Energy Research and Development Administration
ERNS	Emergency Response Notification System
FFA	Federal Facility Agreement
FINDS	Facility Index System
FS	Feasibility Study
GSA	General Services Administration
HEPA	High Efficiency Particulate Air
LQG	Large Quantity Generator
LUST	Leaking Underground Storage Tank
M&O	Maintenance and Operations
MAT	Mound Applied Technologies
MCC	Monsanto Chemical Company
MEMP	Mound Environmental Management Project
MMCIC	Miamisburg Mound Community Improvement Corporation
MRC	Monsanto Research Corporation

NPDES	National Pollutant Discharge Elimination System
OEPA	Ohio Environmental Protection Agency
ORPS	Occurrence Reporting and Processing System
PADS	PCB Activity Database
PCB	Polychlorinated Biphenyls
PRS	Potential Release Site
RAPCA	Regional Air Pollution Control Agency
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RI	Remedial Investigation
RSDS	Radiological Survey Data Sheet
SARA	Superfund Amendments and Reauthorization Act
SDWA	Safe Drinking Water Act
SQG	Small Quantity Generator
SWMU	Solid Waste Management Unit
TRIS	Toxic Chemical Release Inventory System
TSD	Treatment, Storage, & Disposal Facility
UST	Underground Storage Tank
VOC	Volatile Organic Compound

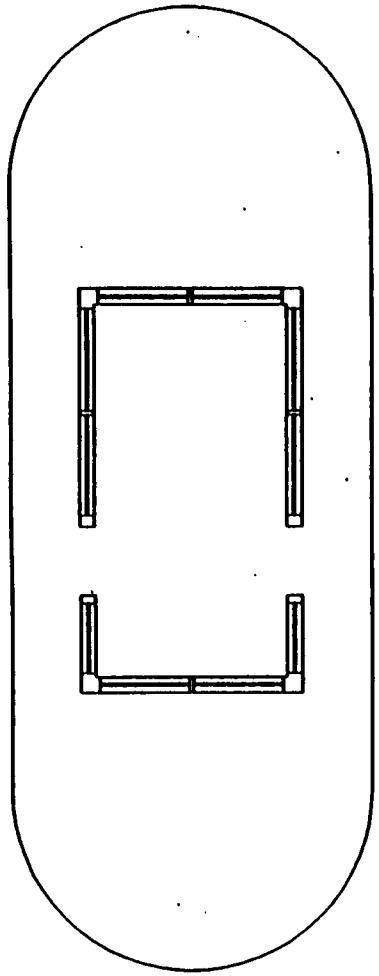
Appendices 7.2 Maps, Figures, Photographs, and PRS Supplemental Information

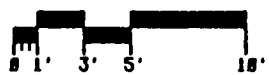
Appendix 7.2.1 Map of Montgomery County

Appendix 7.2.2 Site Plan and PRS Release Blocks

Appendix 7.2.3 Building Drawings

ISS	DATE	REVISION	BY	CHKD	DWN	LPKD	APVD	R
0	12/12/91	ASBUILT ISSUE	DCW				DVD	





GIS BLDG
FIRST FLOOR
BLDG CODE:3532

APPROVALS: DATE:
SAFETY COMMITTEE REQUIRED:
___NONE ___TRUEDOC ___TEDOC ___CHDOC
TECH. REVP. _____ _____
DR. MGR. _____ _____
TRUEDOC _____ _____
TEDOC _____ _____
CHDOC _____ _____

DESIGN CHK	PROJ MGR
DRSN	CHK SUPV
LP & DC	PEER REV
CHK MGR	
APVD	DATE

SHEET	1	2	3	4	5	6
ISSUE	0					

PART CLASSIFICATION

TITLE (U) TITLE CLASSIFICATION
GIS (GUARD ISLAND SHELTER)
FLOOR PLANS

DRAWING CLASSIFICATION: UNCLASSIFIED
SIZE: C
DRAWING NUMBER: FSC911308
JOB NUMBER: 12333
CHK TYPE: SFP
PROJ: GIS BLDG
CODE: 14065
SCALE: AS NOTED
SHEET 1 OF 1
STATUS: MD-REL-12/12/91
ORIGIN: MD-BR3-V3.0

Appendix 7.2.4 PRS Supplemental Information

MOUND PLANT
PRS 241
Soil Contamination-Main Hill Parking Lot Area

RECOMMENDATION:

PRS 241 consists of the northwest parking lots, including the parking lots east of OSE building, south of GH building and the parking lot north of A Building. This PRS was created due to the Soil Gas Survey and Geophysical Investigation - Reconnaissance Sampling Report, Feb.1993 because of several positive soil gas detections. These areas have always been and still are parking lots. No operations are known to have been performed in the parking lots east of OSE Building and north of A Building that would generate hazardous or radioactive wastes.

In 1992, reconnaissance soil gas sampling detected 8 ppb of trichloroethene (TCE) and 255 ppb toluene. These results were below calculated acceptable soil gas values. In addition, all radionuclides are at or below guideline criteria.

Therefore, NO FURTHER ASSESSMENT is recommended for PRS 241.

CONCURRENCE:

DOE/MEMP: Arthur W. Kleinrath 5/13/97
Arthur W. Kleinrath, Remedial Project Manager (date)

USEPA: Timothy J. Fischer 5/13/97
Timothy J. Fischer, Remedial Project Manager (date)

OEPA: Brian K. Nickel 5/14/97
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.

Appendix 7.2.5 Aerial Photographs

Appendices 7.3 Ownership/Historical Documentation: "Title Search"

FORM 420
TITLE INSURANCE
COMMITMENT

COMMITMENT FOR TITLE INSURANCE

First American Title Insurance Company

FIRST AMERICAN TITLE INSURANCE COMPANY, A CALIFORNIA CORPORATION, herein called the Company, for valuable consideration, hereby commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest covered hereby in the land described or referred to in Schedule A, upon payment of the premiums and charges therefor: all subject to the provisions of Schedule A and B and to the Conditions and Stipulations hereof.

This Commitment shall be effective only when the identity of the proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A hereof by the Company, either at the time of the issuance of this Commitment or by subsequent indorsement.

This Commitment is preliminary to the issuance of such policy or policies of title insurance and all liability and obligations hereunder shall cease and terminate six (6) months after the effective date hereof or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue such policy or policies is not the fault of the Company. This Commitment shall not be valid or binding until countersigned by an authorized officer or agent.

IN WITNESS WHEREOF, the Company has caused its corporate name and seal to be hereunto affixed.

Issued By:

MIDLAND TITLE SECURITY, INC.

First American Title Insurance Company

BY Parker S. Kennedy PRESIDENT

ATTEST William C. Gallagher SECRETARY

Countersigned:

By Michael Thomas

Validating Signatory

FIRST AMERICAN TITLE INSURANCE COMPANY

Commitment No: 9-41914

Schedule A

Effective date: June 3, 1995 at 7:59 A.M.

1. **Policy or Policies to be issued:**	**Amount**
a. **Owner's Policy** **Proposed Insured:** The United States of America	$TBD
b. **Loan Policy** **Proposed Insured:** To Be Determined, its successors and/or assigns	$TBD

2. **The estate or interest in the land described or referred to in this Commitment and covered herein is a Fee Simple and title to the estate or interest in said land is at the effective date hereof vested in:**
The United States of America

3. **The land referred to in this Commitment is described as follows:**

The examined property consists of all legal descriptions as shown on source deeds listed on Schedule B, Section II, note regarding vesting of title. A new legal description with appropriate approvals must be obtained prior to title transfer.

FIRST AMERICAN TITLE INSURANCE COMPANY

Commitment No: 9-41914

Schedule B Section I

The following are the requirements to be complied with:

Instrument(s) creating the estate or interest to be insured must be approved, executed, delivered and filed for record.

End of Schedule B - Section I

Schedule B Section II

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

1. Defects, liens, encumbrances, adverse claims or other-matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.

2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of said land or by making inquiry of persons in possession thereof.

3. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by public records.

4. Any lien, or right to an lien, for services labor or material theretofore or hereafter furnished, imposed by law and not shown by the public records.

5. Rights of parties in actual possession of all or any part of the premises.

6. Special assessments and special taxes, if any, and taxes not yet due and payable.

FIRST AMERICAN TITLE INSURANCE COMPANY

Commitment No: 9-41914

Continuation of Schedule B - Section II :

Note: Title Holder took Title in Deed Book 1256-179, Deed Book 1265-361, Deed Book 1214-12, Deed Book 1214-248, Deed Book 1215-347, Deed Book 1246-45 , Deed Book 1258-56, Deed Book 1258-74, Deed Microfiche 81-376-A01, Deed Microfiche 81-323-A11, Deed Book 1214-10, Deed Book 1214-15 and Deed Book 1214-17

7. Subject to restrictions as shown of record in Deed Book 939, Page 322, Volume 1116-262, Volume 1116-265, Volume 1116-268 and Microfiche 89-560-E08.

8. Easement to The Dayton Power and Light Co. as shown of record in Deed Book 2341-323, Deed Book 1275-9, Deed Book 2341-43 and Deed Book 2437-611.

9. Easement to the City of Miamisburg as shown of record in Deed Book 2260-228.

10. Subject to a Reservation as shown of record in Deed Book 548-218.

11. Subject to an Agreement between The New York Central Railroad Company and the Cleveland, Cincinnati, Chicago and St. Louis Railway Company and The United States of America as shown of record in Deed Book 1282-401.

12. Subject to an Affidavit as shown of record in Deed Microfiche 90-616-D02.

13. Subject to an Agreement between William F. Mobley and Margaret Mobley and William Hamilton and Janet W. Hamilton as shown of record in Deed Book 1214, Page 8.

14. Subject to conditions as shown in Quitclaim Deed Book 1212, Page 87.

NOTE: The Mound Property has all been annexed to City of Miamisburg, which makes some USA deed Descriptions obsolete.

15. 1994 Duplicate for Aud. Parcel Number K46-3-34-14 & 21 (2.390 Acres) lists taxes in the name of The United States of America
First Installment due January 1995 is $ 0.00.
Second Installment due July 1995 is $ 0.00.
Land: 7,530.00 Building: 0.00 Total: 7,530.00.

Aud. Parcel Number K46-5-3-13 (88.320 Acres, Lot 2290)
First Installment due January 1995 is $ 0 .00.
Second Installment due July 1995 is $ 0.00.
Land: 618,240.00 Building: 0.00 Total: 618,240.00.

Aud. Parcel Number K46-11-9-1 (21.170 Acres, Lot 4777)
First Installment due January 1995 is $ 0.00.
Second Installment due July 1995 is $ 0.00.
Land: 29,650.00 Building: 0.00 Total: 29,650.00.

Aud. Parcel Number K46-11-9-2 (42.877 Acres, Lot 4778)
First Installment due January 1995 is $ 0.00.

FIRST AMERICAN TITLE INSURANCE COMPANY

Commitment No: 9-41914

Continuation of Schedule B - Section II :

Second Installment due July 1995 is $ 0.00.
Land: 60,030.00 Building: 0.00 Total: 60,030.00.

Aud. Parcel Number K46-11-9-3 (1.6 Acres, Lot 4779)
First Installment due January 1995 is $ 0.00.
Second Installment due July 1995 is $ 0.00.
Land: 2,240.00 Building: 0.00 Total: 2,240.00.

Aud. Parcel Number K46-5-1-2 & 9 (86.198 Acres, Lot 2259)
First Installment due January 1995 is $ 36.91, which includes a Delinquent Incinerator Assessment of $ 34.46, plus a $ 2.45 penalty. (First Installment is not paid.)
Second Installment due July 1995 is $ 0.00.
Land: 814,380.00 Building: 0.00 Total: 814,380.00.

Aud. Parcel Number K46-15-7-1 (35.500 Acres, Lot 6127)
First Installment due January 1995 is $ 0.00.
Second Installment due July 1995 is $ 0.00.
Land: 49,700.00 Building: 0.00 Total: 49,700.00.

Aud. Parcel Number K46-15-7-2 (24.197 Acres, Lot 6128)
First Installment due January 1995 is $ 0.00.
Second Installment due July 1995 is $ 0.00.
Land: 33,530.00 Building: 0.00 Total: 33,530.00.

End of Schedule B - Section II

Appendices 7.4 Regulatory Documentation: "EDR Document"

The EDR-Radius Map
with GeoCheck™

US Department of Energy
Off Mound Rd.
Miamisburg, OH 45432

Inquiry Number: 100553.1s

December 13, 1995

Environmental
Data
Resources, Inc.

Creators of Toxicheck/®

The Source
For Environmental
Risk Management
Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

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Topographic Map	2
GeoCheck Summary	3
Overview Map	4
Detail Map	5
Map Summary - All Sites	6
Map Summary - Sites with higher or the same elevation as the Target Property	7
Map Findings	8
Orphan Summary	19

APPENDICES

GeoCheck Version 2.1	A1
EPA Waste Codes	A6
Government Records Searched / Data Currency Tracking Addendum	A9

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.
No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The search met the specific requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-94, or custom distances requested by the user.

The address of the subject property for which the search was intended is:

OFF MOUND RD.
MIAMISBURG, OH 45432

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-94 search radius around the subject property for the following Databases:

Delisted NPL:..... NPL Deletions
RCRIS-TSD:..... Resource Conservation and Recovery Information System
CERC-NFRAP:..... Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS:..... Corrective Action Report
State LF:..... Licensed Solid Waste Facilities
RAATS:..... RCRA Administrative Action Tracking System
HMIRS:..... Hazardous Materials Information Reporting System
ERNS:..... Emergency Response Notification System
NPL Liens:..... Federal Superfund Liens
TSCA:..... Toxic Substances Control Act
MLTS:..... Material Licensing Tracking System
RODS:..... Records Of Decision
CONSENT:..... Superfund (CERCLA) Consent Decrees
OH Spills:..... Not reported
Coal Gas:..... Former Manufactured gas (Coal Gas) Sites

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was not listed in any of the databases searched by EDR.

EXECUTIVE SUMMARY

Surrounding Properties:

Sites with an elevation equal to or higher than the subject property are in the left hand column; those with a lower elevation are in the right hand column. Page numbers refer to the EDR Radius Map report where detailed data on individual sites may be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 09/01/1995 has revealed that there is 1 NPL site within approximately 1.33 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
US DOE MOUND PLANT	*8*	*US DOE MOUND PLANT*	*8*

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already by listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data comes from the Ohio Environmental Protection Agency's Master Sites List.

A review of the State Haz. Waste list, as provided by EDR, and dated 04/01/1995 has revealed that there is 1 State Haz. Waste site within approximately 1.33 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
		MIAMISBURG WELL FIELD / UNK SOURC	18

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, persuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).
CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 08/31/1995 has revealed that there is 1 CERCLIS site within approximately 0.83 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
US DOE MOUND PLANT	*8*	*US DOE MOUND PLANT*	*8*

EXECUTIVE SUMMARY

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data comes from the Department of Commerce Division of State Fire Marshal's List of Reported Petroleum Underground Storage Tank Release Incidents.

A review of the LUST list, as provided by EDR, and dated 11/01/1995 has revealed that there are 7 LUST sites within approximately 0.83 Miles of the subject property.

Equal/Higher Elevation	Page
US DOE MOUND PLANT	*8*

Lower Elevation	Page
US DOE MOUND PLANT	*8*
DJ CERAMICS	10
CG&R	11
RICHARD CHURCH SR ESTATE	13
TECHNICOTE INC	*14*
POINT STORE	17
MIAMISBURG WATER TREATMENT PLT	17

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data comes from the Department of Commerce Division of State Fire Marshal's Facility File.

A review of the UST list, as provided by EDR, and dated 09/01/1995 has revealed that there are 3 UST sites within approximately 0.58 Miles of the subject property.

Equal/Higher Elevation	Page

Lower Elevation	Page
CITY OF MIAMISBURG PUMP STATIO	12
TECHNICOTE INC	*14*
SHELL OIL CO. #23420931760	16

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 05/31/1995 has revealed that there are 4 RCRIS-SQG sites within approximately 0.58 Miles of the subject property.

Equal/Higher Elevation	Page

Lower Elevation	Page
GMC DELCO PRODUCTS DIV	*12*
DAYTON PUBLIC SCHOOLS	*12*
TECHNICOTE INC	*14*
PLOCHER ANDREW SONS	*16*

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 05/31/1995 has revealed that there is 1 RCRIS-LQG site within approximately 0.58 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
		PRESTO ADHESIVE PAPER CO INC	*13*

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 10/14/1994 has revealed that there is 1 PADS site within approximately 0.33 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
US DOE MOUND PLANT	*8*	*US DOE MOUND PLANT*	*8*

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/27/1994 has revealed that there are 3 FINDS sites within approximately 0.33 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
US DOE MOUND PLANT	*8*	*US DOE MOUND PLANT*	*8*
		GMC DELCO PRODUCTS DIV	*12*
		DAYTON PUBLIC SCHOOLS	*12*

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

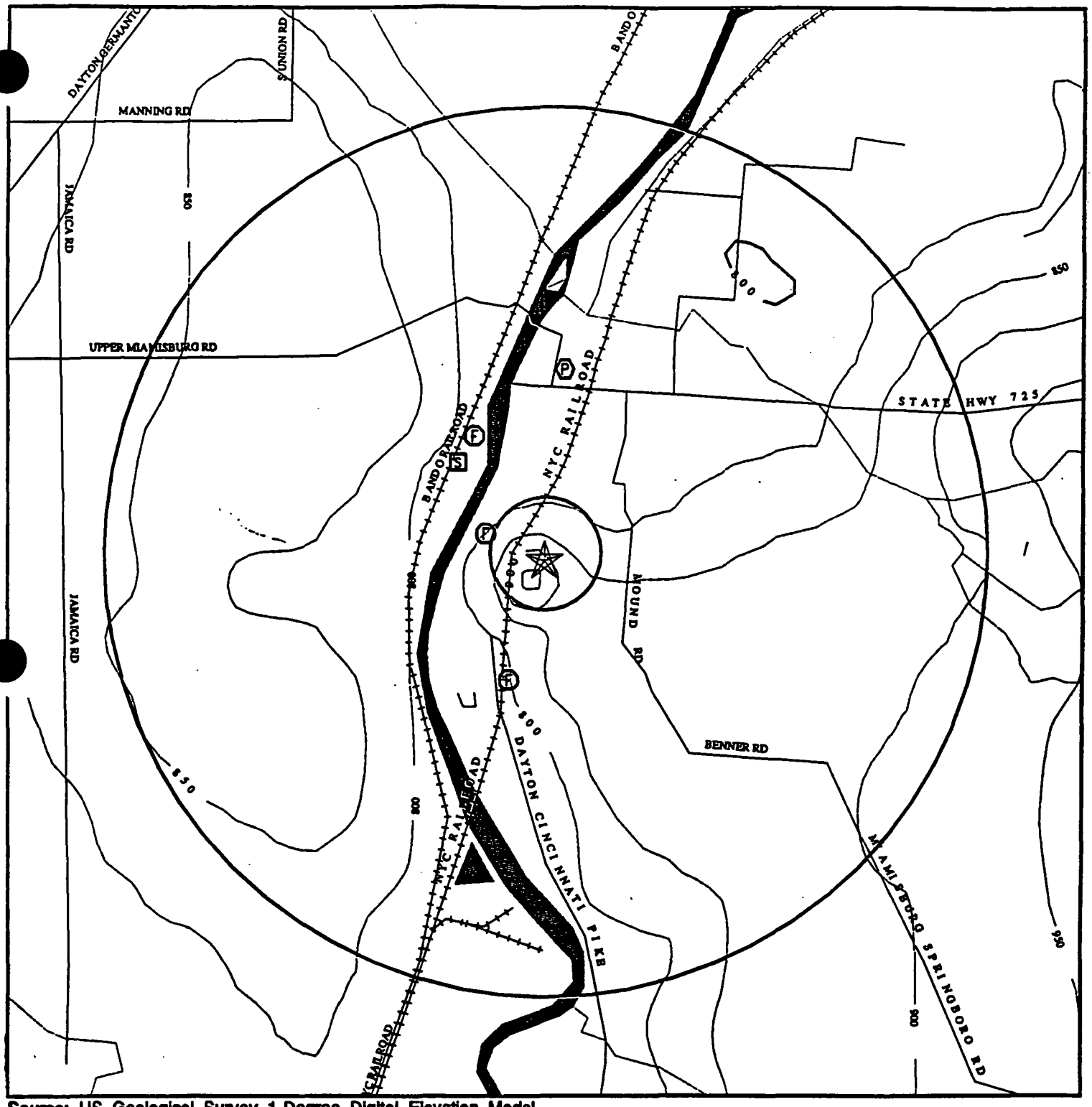
A review of the TRIS list, as provided by EDR, and dated 12/31/1992 has revealed that there is 1 TRIS site within approximately 0.33 Miles of the subject property.

Equal/Higher Elevation	Page	Lower Elevation	Page
US DOE MOUND PLANT	*8*	*US DOE MOUND PLANT*	*8*

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
PHILLIPS SAND & GRAVEL	FINDS,CERC-NFRAP,State Haz. Waste
US DOE MOUND FACILITY*	State Haz. Waste
DYES PENNZOIL	LUST
TOMS QUICK LUBE	LUST
KNOLLWOOD GARDEN CENTER	LUST
BOONE WATER SYSTEMS, INC.	UST,LUST
UNKNOWN	LUST
CATES SALES & SERVICE	UST
KNOLLWOOD MARATHON	UST
DYE'S KNOLLWOOD PENNZOIL	UST
TOM'S SUTO QUICK LUBE SERVIE I	UST
KNOLLWOOD FLORIST, INC.	UST
PENNZOIL	UST
GARY L. JESTICE	UST
WYLIE F. FAULKNER	UST
C G & R	UST
THE POINTE	UST
FRALEY FENCE	UST
CITY OF MIAMISBURG	UST
MONARCH MARKING SYS INC	UST
UES INC	RCRIS-SQG

TOPOGRAPHIC MAP - 100553.1s - HOK/K Industrial



Source: US Geological Survey 1-Degree Digital Elevation Model
Compiled 09/15/92

0 1/4 1/2 1 2
Miles

N - Major Roads

N - Contour lines (25 foot interval unless otherwise shown)

- Waterways

◎ - Earthquake epicenter, Richter 5 or greater.

(F)(S) - Closest well according to (F)ederal or (S)tate database in quadrant.

(P) - Closest public water supply well.

TARGET PROPERTY:	US Department of Energy	CUSTOMER:	HOK/K Industrial
ADDRESS:	Off Mound Rd.	CONTACT:	Shelby R. Politte
CITY/STATE/ZIP:	Miamisburg OH 45432	INQUIRY #:	100553.1s
LAT/LONG:	39.6312 / 84.2884	DATE:	December 13, 1995

GEOCHECK VERSION 2.1
SUMMARY

GEOLOGIC AGE IDENTIFICATION†

Geologic Code:	O3
Era:	Paleozoic
System:	Ordovician
Series:	Upper Ordovician (Cincinnatian)

ROCK STRATIGRAPHIC UNIT†

Category:	Stratified Sequence

GROUNDWATER FLOW INFORMATION

General Topographic Gradient:	General North
General Hydrogeologic Gradient:	The hydrogeologic data for this report indicates that groundwater flow generally is to the South. However, because of the number and/or location of wells, the various depths of aquifers or other insufficient data, the direction of groundwater flow is uncertain.

Note: In a general way, the water table typically conforms to surface topography.‡

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property:	2439084-F3 MIAMISBURG, OH

FEDERAL DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	LITHOLOGY	DEPTH TO WATER TABLE
North	1/2 - 1 Mile	Sand and silt	12 ft.
South	1/2 - 1 Mile	Outwash	Not Reported
West	1/4 - 1/2 Mile	Not Reported	24 ft.

STATE DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP
Northern	1/2 - 1 Mile
Southern	>2 Miles

PUBLIC WATER SUPPLY SYSTEM INFORMATION (EPA-FRDS)

Searched by Nearest Well.

Location Relative to TP:	1/2 - 1 Mile North
PWS Name:	MOUND PLANT MANAGER, MAINTENANCE EG&G PO BOX 3000 MIAMISBURG, OH 45343

Well currently has or has had major violation(s): No

AREA RADON INFORMATION

MONTGOMERY COUNTY, OH

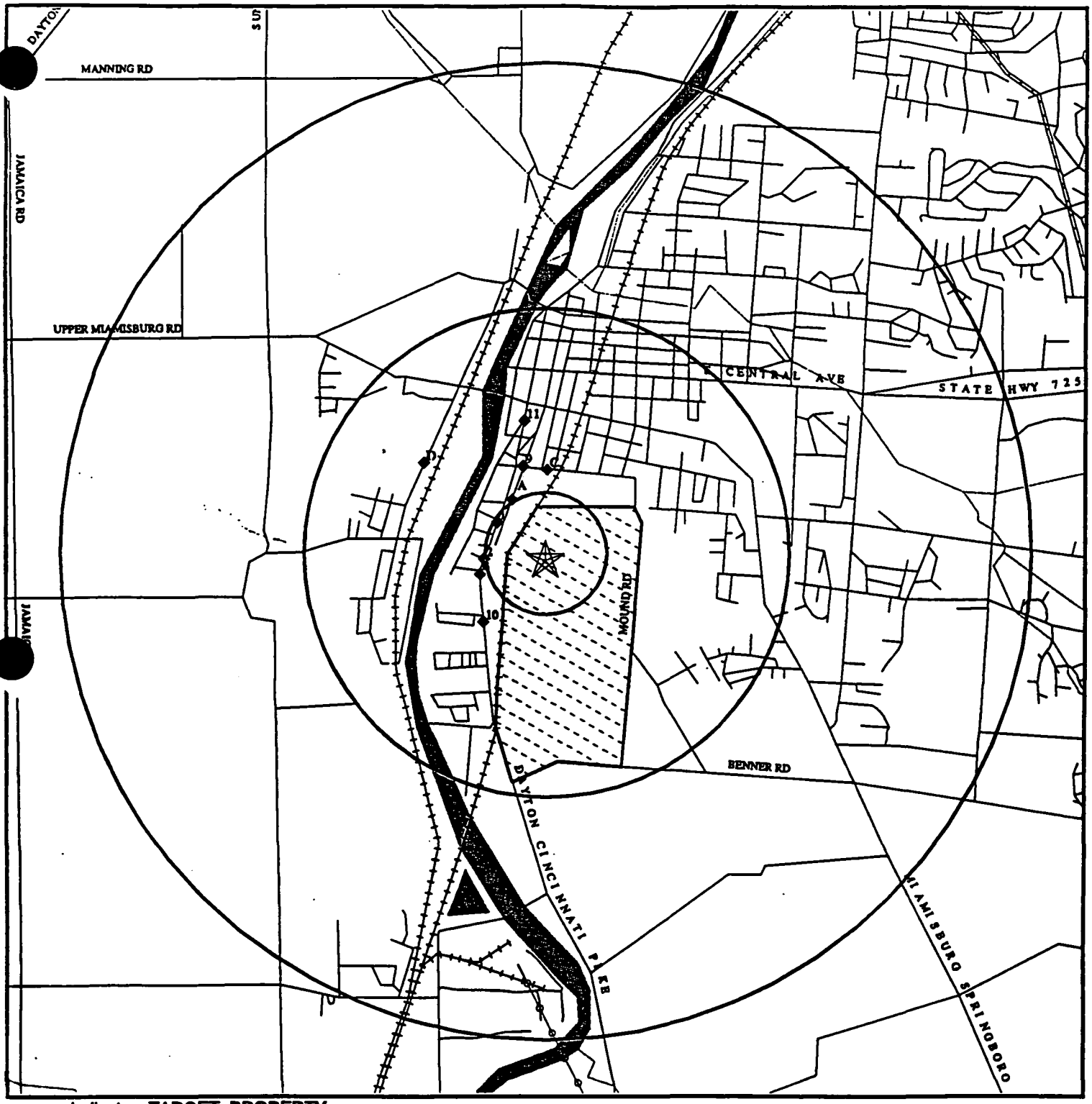
Number of sites tested: 35

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.966 pCi/L	77%	23%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.963 pCi/L	67%	27%	7%

† Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/6-90/016a,Chapter 4, page 76, September 1990.

OVERVIEW MAP - 100553.1s - HOK/K Industrial



★ - Indicates TARGET PROPERTY.

▲ - Indicates sites at elevations higher than or equal to the target property.

◆ - Indicates sites at elevations lower than the target property.

- Coal Gasification Sites (if requested)

- National Priority List Sites

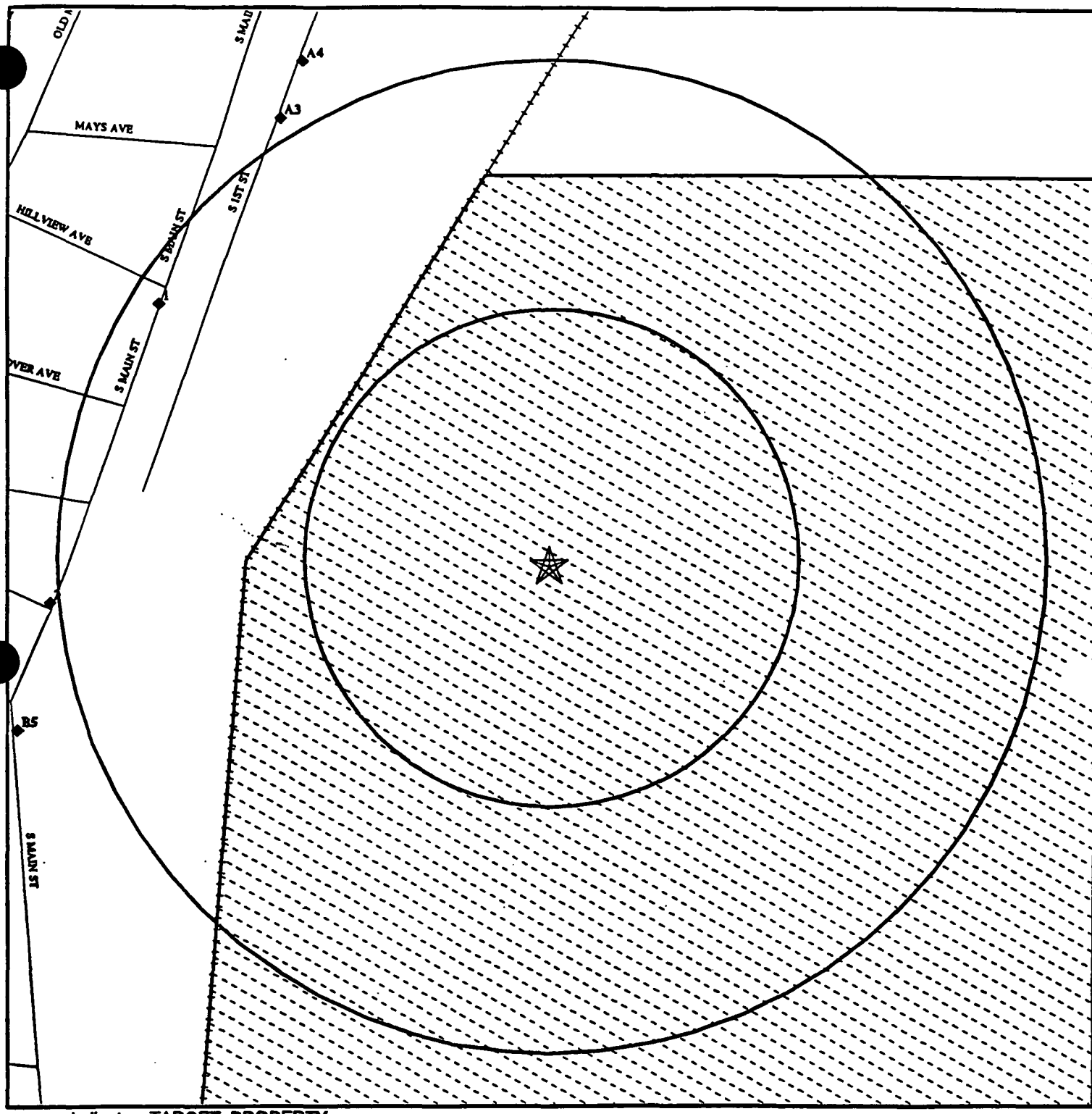
0 1/4 1/2 1 2
Miles

- Power transmission lines (USGS DLG, 1993)

- Oil & Gas pipelines (USGS DLG, 1993)

TARGET PROPERTY:	US Department of Energy	CUSTOMER:	HOK/K Industrial
ADDRESS:	Off Mound Rd.	CONTACT:	Shelby R. Politte
CITY/STATE/ZIP:	Miamisburg OH 45432	INQUIRY #:	100553.1s
LAT/LONG:	39.6312 / 84.2884	DATE:	December 13, 1995

DETAIL MAP - 100553.1s - HOK/K Industrial



★ - Indicates TARGET PROPERTY.

▲ - Indicates sites at elevations higher than or equal to the target property.

◆ - Indicates sites at elevations lower than the target property.

- Coal Gasification Sites (if requested)

- Sensitive Receptors

- National Priority List Sites

0 1/8 1/4

Miles

- Power transmission lines (USGS DLG, 1993)

- Oil & Gas pipelines (USGS DLG, 1993)

TARGET PROPERTY:	US Department of Energy	CUSTOMER:	HOK/K Industrial
ADDRESS:	Off Mound Rd.	CONTACT:	Shelby R. Politte
CITY/STATE/ZIP:	Miamisburg OH 45432	INQUIRY #:	100553.1s
LAT/LONG:	39.6312 / 84.2884	DATE:	December 13, 1995

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.330	1	0	0	0	0	1
Delisted NPL		0.330	0	0	0	NR	NR	0
RCRIS-TSD		1.330	0	0	0	0	0	0
State Haz. Waste		1.330	0	0	0	1	0	1
CERCLIS		0.830	1	0	0	0	NR	1
CERC-NFRAP		0.330	0	0	0	NR	NR	0
CORRACTS		1.330	0	0	0	0	0	0
State Landfill		0.830	0	0	0	0	NR	0
LUST		0.830	1	1	3	2	NR	7
UST		0.580	0	0	3	0	NR	3
RAATS		0.330	0	0	0	NR	NR	0
RCRIS Sm. Quan. Gen.		0.580	0	0	4	0	NR	4
RCRIS Lg. Quan. Gen.		0.580	0	0	1	0	NR	1
HMIRS		0.330	0	0	0	NR	NR	0
PADS		0.330	1	0	0	NR	NR	1
ERNS		0.330	0	0	0	NR	NR	0
FINDS		0.330	1	0	4	NR	NR	5
TRIS		0.330	1	0	0	NR	NR	1
NPL Liens		0.330	0	0	0	NR	NR	0
TSCA		0.330	0	0	0	NR	NR	0
MLTS		1.330	0	0	0	0	0	0
ROD		1.330	0	0	0	0	0	0
CONSENT		1.330	0	0	0	0	0	0
OH Spills		0.330	0	0	0	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.330	0	0	0	0	0	0
Delisted NPL		0.330	0	0	0	NR	NR	0
RCRIS-TSD		1.330	0	0	0	0	0	0
State Haz. Waste		1.330	0	0	0	0	0	0
CERCLIS		0.830	0	0	0	0	NR	0
CERC-NFRAP		0.330	0	0	0	NR	NR	0
CORRACTS		1.330	0	0	0	0	0	0
State Landfill		0.830	0	0	0	0	NR	0
LUST		0.830	0	0	0	0	NR	0
UST		0.580	0	0	0	0	NR	0
RAATS		0.330	0	0	0	NR	NR	0
RCRIS Sm. Quan. Gen.		0.580	0	0	0	0	NR	0
RCRIS Lg. Quan. Gen.		0.580	0	0	0	0	NR	0
HMIRS		0.330	0	0	0	NR	NR	0
PADS		0.330	0	0	0	NR	NR	0
ERNS		0.330	0	0	0	NR	NR	0
FINDS		0.330	0	0	0	NR	NR	0
TRIS		0.330	0	0	0	NR	NR	0
NPL Liens		0.330	0	0	0	NR	NR	0
TSCA		0.330	0	0	0	NR	NR	0
MLTS		1.330	0	0	0	0	0	0
ROD		1.330	0	0	0	0	0	0
CONSENT		1.330	0	0	0	0	0	0
OH Spills		0.330	0	0	0	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

NPL
Region

US DOE MOUND PLANT
MOUND RD
MIAMISBURG, OH 45342

PADS 1000190772
CERCLIS OH6890008984
FINDS
NPL
TRIS
LUST

CERCLIS Classification Data:

Site Incident Category:	Not reported	Federal Facility:	YES
Ownership Status:	FEDERALLY OWNED	NPL Status:	CURRENTLY ON THE FINAL NPL
EPA Notes:	Not reported		

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	11/01/1980
Assessment:	PRELIMINARY ASSESSMENT	Completed:	03/25/1986
Assessment:	SCREENING SITE INSPECTION	Completed:	07/14/1989
Assessment:	HAZARD RANKING DETERMINED	Completed:	07/14/1989
Assessment:	PROPOSAL TO NPL	Completed:	07/14/1989
Assessment:	FINAL LISTING ON NPL	Completed:	11/24/1989
Assessment:	TECHNICAL ASSISTANCE	Completed:	Not reported
Assessment:	TECHNICAL ASSISTANCE	Completed:	Not reported
Assessment:	REMOVAL ACTION	Completed:	Not reported
Assessment:	COMBINED RI/FS	Completed:	06/12/1995
Assessment:	REMEDIAL ACTION	Completed:	Not reported
Assessment:	REMEDIAL DESIGN	Completed:	Not reported
Assessment:	RECORD OF DECISION	Completed:	06/12/1995
Assessment:	COMBINED RI/FS	Completed:	Not reported
Assessment:	RECORD OF DECISION	Completed:	Not reported
Assessment:	COMBINED RI/FS	Completed:	Not reported
Assessment:	RECORD OF DECISION	Completed:	Not reported
Assessment:	COMBINED RI/FS	Completed:	Not reported
Assessment:	RECORD OF DECISION	Completed:	Not reported
Assessment:	COMBINED RI/FS	Completed:	Not reported
Assessment:	RECORD OF DECISION	Completed:	Not reported
Assessment:	COMBINED RI/FS	Completed:	Not reported
Assessment:	RECORD OF DECISION	Completed:	Not reported

CERCLIS Site Status:

This site is currently under investigation by the government to assess the extent of further action

CERCLIS Alias Name(s):

US DOE MOUND FACIL
MOUND PLANT (USDOE)

US DOE MOUND PLANT (Continued) 1000190772

NPL:

ID:	05OH073
Date Listed:	11/21/89 (FINAL)
EPA/ID:	Not reported
Haz. Rank Score:	34.61
Status:	LISTED ON NPL
Rank:	Not reported
Group:	15
Ownership:	Federal
Ownership:	Govt. Owned, Contract. Oper.
Permit:	NPDES
Permit:	Air
Permit:	RCRA Interim Status
Permit:	Radioactive
Site Activities:	Landfill, Comm./Indus.
Site Activities:	Spill
Site Activities:	Tank, below ground
Site Condition:	Contam. Drinking Water
Waste Type:	Metals
Waste Type:	Radioactive Substances

Contaminant:	Media Affected:
CALCIUM CYANIDE	Not reported
COPPER CYANIDE	Not reported
PLUTONIUM AND COMPOUNDS, NOS (PU	Not reported
URANIUM AND COMPOUNDS, NOS (U)	Not reported
PLUTONIUM 238	Surface Water

Distance to nearest Population:	Not reported
Population within a 1 Mile Radius:	Not reported
Population within a 2 Mile Radius:	Not reported
Population within a 4 Mile Radius:	Not reported
Vertical Distance to Aquifer:	21 Feet to 75 Feet
Ground Water Use:	Used as Drinking Water, Alternative Source not Available
Distance to nearest Surface Water:	Not reported

Other Pertinent Environmental Activity Identified at Site:
facility has active water discharge permits
facility has an emission permit under the Clean Air Act
civil judicial and administrative enforcement cases against facility
facility is a PCB generator, storer, transporter or permitted disposer

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

US DOE MOUND PLANT (Continued) 1000190772

LUST:

Facility ID:	570630	Incident ID:	579108400
Report No:	5791084	Facility Track:	0
Facility Tel:	513-865-4020	Responsibility:	-0-
Owner:	US DEPT OF ENERGY -0- -0-, OH -0- -0-		
Operator:	-0- -0- -0-, OH -0- -0-		
Inspector:	-0-	Revised Date:	07/16/91
Fiscal Track:	F900	Coordinator:	Central Office Corrective Actions
Facility Status:	Initial Corrective Action Program Report		
Classification:	Known suspected or confirmed source and responsible person is voluntarily, or under an informal enforcement action, proceeding with investigation of corrective actions.		
Trust Fund:	Incident eligible for LTF oversight and/or spending - a suspected or confirmed release of petroleum from a regulated UST.		
Emerg Respnse:	2	Response By:	-0-
Vacant:	-, -0-	County Num:	57
Authorized By:	HODNETT	Authorize Date:	07/12/91
Remarks:	0		
Summary:	-0-		
Added Date:	12/18/89	Entry By:	UNGER
Response Srch:	-0-	Priority:	2

1 WNW 1/8-1/4 Lower	DJ CERAMICS 611 S MAIN ST MIAMISBURG, OH 45342	LUST	S101424591 N/A

DJ CERAMICS (Continued) S101424591

LUST:

Facility ID:	-0-	Incident ID:	575048600
Report No:	5750486	Facility Track:	0
Facility Tel:	-0-	Responsibility:	-0-
Owner:	-0- -0- -0-, OH -0- -0-		
Operator:	-0- -0- -0-, OH -0- -0-		
Inspector:	-0-	Revised Date:	-0-
Fiscal Track:	FY95	Coordinator:	Central Office Closure
Facility Status:	Reported		
Classification:	Known suspected or confirmed source and responsible person is voluntarily, or under an informal enforcement action, proceeding with investigation of corrective actions.		
Trust Fund:	Closure of an underground storage tank.		
Emerg Respnse:	2	Response By:	-0-
Vacant:	-, -0-	County Num:	57
Authorized By:	GILL	Authorize Date:	04/20/95
Remarks:	-0-		
Summary:	-0-		
Added Date:	04/20/95	Entry By:	UNGER
Response Srch:	-0-	Priority:	2

2 West 1/4-1/2 Lower — CG&R, 901 S MAIN ST, MIAMISBURG, OH 45342 — LUST — S101565590, N/A

LUST:

Facility ID:	572444	Incident ID:	574126900
Report No:	5741269	Facility Track:	0
Facility Tel:	-0-	Responsibility:	-0-
Owner:	-0- -0- -0-, OH -0- -0-		
Operator:	-0- -0- -0-, OH -0- -0-		
Inspector:	-0-	Revised Date:	-0-
Fiscal Track:	FY94	Coordinator:	Central Office Closure
Facility Status:	Reported		
Classification:	Known suspected or confirmed source and responsible person is voluntarily, or under an informal enforcement action, proceeding with investigation of corrective actions.		
Trust Fund:	Closure of an underground storage tank.		
Emerg Respnse:	2	Response By:	-0-
Vacant:	-, -0-	County Num:	57
Authorized By:	GILL	Authorize Date:	07/26/94
Remarks:	-0-		
Summary:	CLOS RPT RECD		
Added Date:	07/26/94	Entry By:	UNGER
Response Srch:	-0-	Priority:	2

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A3 NNW 1/4-1/2 Lower	GMC DELCO PRODUCTS DIV 329 EAST FIRST STREET DAYTON, OH 45402	RCRIS-SQG FINDS	1000110283 OHD000817593

RCRIS:
Owner: NAME NOT REPORTED
(312) 555-1212

Contact: KARENANN BERNER
(513) 258-7621

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D000	.00000 (N)	Notification	D001	.00000 (N)	Notification
D002	.00000 (N)	Notification	D003	.00000 (N)	Notification
F001	.00000 (N)	Notification	F002	.00000 (N)	Notification
F003	.00000 (N)	Notification	F005	.00000 (N)	Notification
F006	.00000 (N)	Notification	F007	.00000 (N)	Notification
F008	.00000 (N)	Notification	F009	.00000 (N)	Notification
F010	.00000 (N)	Notification	F011	.00000 (N)	Notification
F012	.00000 (N)	Notification	P029	.00000 (N)	Notification
P030	.00000 (N)	Notification	P074	.00000 (N)	Notification
P098	.00000 (N)	Notification	P104	.00000 (N)	Notification
P106	.00000 (N)	Notification	P121	.00000 (N)	Notification
U159	.00000 (N)	Notification	U160	.00000 (N)	Notification
U188	.00000 (N)	Notification	U210	.00000 (N)	Notification
U220	.00000 (N)	Notification	U226	.00000 (N)	Notification
U239	.00000 (N)	Notification			

(P) = Pounds, (K) = Kilograms, (M) = Metric Tons, (T) = Tons, (N) = Not Reported

A4 NNW 1/4-1/2 Lower	DAYTON PUBLIC SCHOOLS 348 W FIRST ST DAYTON, OH 45402	RCRIS-SQG FINDS	1000558707 OHD100060912

RCRIS:
Owner: DAYTON PUBLIC SCHOOLS
(513) 461-3000

Contact: PETER WEIMER
(513) 439-0863

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D000	.00000 (N)	Notification	D001	.00000 (N)	Notification
D002	.00000 (N)	Notification	D003	.00000 (N)	Notification
F001	.00000 (N)	Notification	F002	.00000 (N)	Notification
F003	.00000 (N)	Notification	F004	.00000 (N)	Notification
F005	.00000 (N)	Notification			

(P) = Pounds, (K) = Kilograms, (M) = Metric Tons, (T) = Tons, (N) = Not Reported

Other Pertinent Environmental Activity Identified at Site:
facility is involved with pesticide/toxic substances production

B5 WSW 1/4-1/2 Lower	CITY OF MIAMISBURG PUMP STATIO 1021 S MAIN ST MIAMISBURG, OH 45342	UST	U000694613 N/A

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Numbe
	CITY OF MIAMISBURG PUMP STATIO (Continued)		U000694613

UST:

Facility ID:	0-576024	Tank ID:	1
Capacity:	1,000	Tank Status:	Curr
Tank Age:	7	Owner Name:	CITY OF MIAMISBURG
Product:	Diesel	Owner Address:	PO BOX 570
Material:	Fiberglass	City, State, Zip:	MIAMISBURG, OH 45343
Piping Material:	Copper	Facility Contact:	JESSE MULLINS
Piping Type:	Suction -- No Valve	Telephone:	Not reported
Remed. Des. Tanks:	Not reported		
Remed. Des. Piping:	Not reported		

B6 WSW 1/4-1/2 Lower	RICHARD CHURCH SR ESTATE 1009 S MAIN ST MIAMISBURG, OH 45342	LUST	S101565323 N/A

LUST:

Facility ID:	571192	Incident ID:	570118000
Report No:	5701180	Facility Track:	0
Facility Tel:	-0-	Responsibility:	-0-
Owner:	Not reported -0- -0-, OH -0- -0-		
Operator:	-0- -0- -0-, OH -0- -0-		
Inspector:	-0-	Revised Date:	04/21/92
Fiscal Track:	F900	Coordinator:	Central Office Closure
Facility Status:	No Further Action		
Classification:	Known suspected or confirmed source and responsible person is voluntarily, or under an informal enforcement action, proceeding with investigation of corrective actions.		
Trust Fund:	Closure of an underground storage tank.		
Emerg Respnse:	2	Response By:	-0-
Vacant:	1, -0-	County Num:	57
Authorized By:	GILL	Authorize Date:	04/17/92
Remarks:	0		
Summary:	CLOS RPT RECD		
Added Date:	05/24/90	Entry By:	UNGER
Response Srch:	-0-	Priority:	2

C7 North 1/4-1/2 Lower	PRESTO ADHESIVE PAPER CO INC 222 MOUND AVE MIAMISBURG, OH 45342	FINDS RCRIS-LQG	1000389064 OHD004243614

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

PRESTO ADHESIVE PAPER CO INC (Continued) 1000389064

RCRIS:
Owner: PITNEY BOWES
(312) 555-1212

Contact: ALAN GORSKI
(513) 865-2600

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D001	.00000 (N)	Notification	D003	.00000 (N)	Notification
F005	.00000 (N)	Notification	U002	.00000 (N)	Notification
U112	.00000 (N)	Notification	U140	.00000 (N)	Notification
U159	.00000 (N)	Notification	U220	.00000 (N)	Notification
U239	.00000 (N)	Notification			

(P) = Pounds , (K) = Kilograms , (M) = Metric Tons , (T) = Tons , (N) = Not Reported

Other Pertinent Environmental Activity Identified at Site:
facility has an emission permit under the Clean Air Act

C8 North 1/4-1/2 Lower

TECHNICOTE INC
222 MOUND AVE
MIAMISBURG, OH 45342

RCRIS-SQG 1000243045
UST OHD980896468
LUST

RCRIS:
Owner: TECHNICOTE
(312) 555-1212

Contact: TOM BLOSSER
(513) 859-4448

Waste	Quantity	Info Source
D001	.00000 (N)	Notification

(P) = Pounds , (K) = Kilograms , (M) = Metric Tons , (T) = Tons , (N) = Not Reported

There are 1 compliance/violation record(s) reported at this site:

Evaluation	Date	Violations
COMPLIANCE EVALUATION INSPECTION (CEI)	14-JAN-88	YES

TECHNICOTE INC (Continued) 1000243045

LUST:

Facility ID:	570319	Incident ID:	573000600
Report No:	5730006	Facility Track:	0
Facility Tel:	-0-	Responsibility:	-0-
Owner:	-0- -0- -0-, OH -0- -0-		
Operator:	-0- -0- -0-, OH -0- -0-		
Inspector:	-0-	Revised Date:	-0-
Fiscal Track:	FY93	Coordinator:	Central Office Closure
Facility Status:	Reported		
Classification:	Known suspected or confirmed source and responsible person is voluntarily, or under an informal enforcement action, proceeding with investigation of corrective actions.		
Trust Fund:	Closure of an underground storage tank.		
Emerg Respnse:	2	Response By:	-0-
Vacant:	-, -0-	County Num:	57
Authorized By:	GILL	Authorize Date:	01/11/93
Remarks:	-0-		
Summary:	-0-		
Added Date:	01/11/93	Entry By:	UNGER
Response Srch:	-0-	Priority:	2

UST:

Facility ID:	0-570319	Tank ID:	1
Capacity:	8,000	Tank Status:	Remv
Tank Age:	Unk	Owner Name:	TECHNICOTE, INC.
Product:	HAZ-69742-89-8	Owner Address:	222 MOUND AVE
Material:	Bare Steel	City, State, Zip:	MIAMISBURG, OH 45342
Piping Material:	Bare Steel	Facility Contact:	MILES D. TREECE
Piping Type:	Suction -- Valve	Telephone:	(513) 859-4448
Remed. Des. Tanks:	Not reported		
Remed. Des. Piping:	Not reported		

Facility ID:	0-570319	Tank ID:	2
Capacity:	8,000	Tank Status:	Remv
Tank Age:	Unk	Owner Name:	TECHNICOTE, INC.
Product:	Not reported	Owner Address:	222 MOUND AVE
Material:	Bare Steel	City, State, Zip:	MIAMISBURG, OH 45342
Piping Material:	Bare Steel	Facility Contact:	MILES D. TREECE
Piping Type:	Suction -- Valve	Telephone:	(513) 859-4448
Remed. Des. Tanks:	Not reported		
Remed. Des. Piping:	Not reported		

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

TECHNICOTE INC (Continued) 1000243045

Facility ID:	0-570319	Tank ID:	3
Capacity:	500	Tank Status:	Remv
Tank Age:	Unk	Owner Name:	TECHNICOTE, INC.
Product:	Not reported	Owner Address:	222 MOUND AVE
Material:	Bare Steel	City, State, Zip:	MIAMISBURG, OH 45342
Piping Material:	Bare Steel	Facility Contact:	MILES D. TREECE
Piping Type:	Suction -- Valve	Telephone:	(513) 859-4448
Remed. Des. Tanks:	Not reported		
Remed. Des. Piping:	Not reported		

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9 NNW 1/4-1/2 Lower — PLOCHER ANDREW SONS, 418 E FIRST ST, DAYTON, OH 45402 — RCRIS-SQG / FINDS — 1000170454 / OHD004243937

RCRIS:
Owner: PLOCHER ANDREW SONS
(312) 555-1212
Contact: CHUCK KRAFT
(513) 228-6128

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D001	.00000 (N)	Notification	F003	.00000 (N)	Notification
F005	.00000 (N)	Notification			

(P) = Pounds , (K) = Kilograms , (M) = Metric Tons , (T) = Tons , (N) = Not Reported

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10 SW 1/4-1/2 Lower — SHELL OIL CO. #23420931760, 1224 S MAIN ST, DAYTON, OH 45409 — UST — U000894456 / N/A

UST:

Facility ID:	0-570157	Tank ID:	1
Capacity:	8,000	Tank Status:	Curr
Tank Age:	25	Owner Name:	SHELL OIL CO.
Product:	Gasoline	Owner Address:	7777 WASHINGTON VILLAGE DR
Material:	Fiberglass	City, State, Zip:	DAYTON, OH 45459
Piping Material:	Fiberglass	Facility Contact:	MIKE HORVATH
Piping Type:	Pressure	Telephone:	Not reported
Remed. Des. Tanks:	Not reported		
Remed. Des. Piping:	Not reported		

Facility ID:	0-570157	Tank ID:	2
Capacity:	10,000	Tank Status:	Curr
Tank Age:	25	Owner Name:	SHELL OIL CO.
Product:	Gasoline	Owner Address:	7777 WASHINGTON VILLAGE DR
Material:	Fiberglass	City, State, Zip:	DAYTON, OH 45459
Piping Material:	Fiberglass	Facility Contact:	MIKE HORVATH
Piping Type:	Pressure	Telephone:	Not reported
Remed. Des. Tanks:	Not reported		
Remed. Des. Piping:	Not reported		

SHELL OIL CO. #23420931760 (Continued) U000894456

Facility ID:	0-570157	Tank ID:	3
Capacity:	10,000	Tank Status:	Curr
Tank Age:	24	Owner Name:	SHELL OIL CO.
Product:	Gasoline	Owner Address:	7777 WASHINGTON VILLAGE DR
Material:	Fiberglass	City, State, Zip:	DAYTON, OH 45459
Piping Material:	Fiberglass	Facility Contact:	MIKE HORVATH
Piping Type:	Pressure	Telephone:	Not reported
Remed. Des. Tanks:	Not reported		
Remed. Des. Piping:	Not reported		

Facility ID:	0-570157	Tank ID:	4
Capacity:	1,000	Tank Status:	Curr
Tank Age:	22	Owner Name:	SHELL OIL CO.
Product:	Used Oil	Owner Address:	7777 WASHINGTON VILLAGE DR
Material:	Bare Steel	City, State, Zip:	DAYTON, OH 45459
Piping Material:	Bare Steel	Facility Contact:	MIKE HORVATH
Piping Type:	Pressure	Telephone:	Not reported
Remed. Des. Tanks:	Not reported		
Remed. Des. Piping:	Not reported		

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11 North 1/2-1 Lower — POINT STORE, 155 S MAIN ST, MIAMISBURG, OH 45342 — LUST — S100648047 N/A

LUST:

Facility ID:	570738	Incident ID:	573182400
Report No:	5731824	Facility Track:	0
Facility Tel:	-0-	Responsibility:	-0-
Owner:	-0- -0- -0-, OH -0- -0-		
Operator:	-0- -0- -0-, OH -0- -0-		
Inspector:	-0-	Revised Date:	-0-
Fiscal Track:	FY93	Coordinator:	Central Office Closure
Facility Status:	Reported		
Classification:	Known suspected or confirmed source and responsible person is voluntarily, or under an informal enforcement action, proceeding with investigation of corrective actions.		
Trust Fund:	Closure of an underground storage tank.		
Emerg Respnse:	2	Response By:	-0-
Vacant:	-, -0-	County Num:	57
Authorized By:	GILL	Authorize Date:	09/07/93
Remarks:	-0-		
Summary:	-0-		
Added Date:	09/23/93	Entry By:	UNGER
Response Srch:	-0-	Priority:	2

D12 NW 1/2-1 Lower — MIAMISBURG WATER TREATMENT PLT, 302 S RIVERVIEW, MIAMISBURG, OH 45342 — LUST — S101565457 N/A

MIAMISBURG WATER TREATMENT PLT (Continued) S101565457

LUST:

Facility ID:	570747	Incident ID:	572089900
Report No:	5720899	Facility Track:	0
Facility Tel:	-0-	Responsibility:	-0-
Owner:	-0- -0- -0-, OH -0- -0-		
Operator:	-0- -0- -0-, OH -0- -0-		
Inspector:	-0-	Revised Date:	05/14/92
Fiscal Track:	FY92	Coordinator:	Central Office Closure
Facility Status:	No Further Action		
Classification:	Known suspected or confirmed source and responsible person is voluntarily, or under an informal enforcement action, proceeding with investigation of corrective actions.		
Trust Fund:	Closure of an underground storage tank.		
Emerg Respnse:	2	Response By:	-0-
Vacant:	1, -0-	County Num:	57
Authorized By:	GILL	Authorize Date:	05/13/92
Remarks:	-0-		
Summary:	CLOS RPT RECD		
Added Date:	04/23/92	Entry By:	UNGER
Response Srch:	-0-	Priority:	2

D13 NW 1/2-1 Lower — MIAMISBURG WELL FIELD / UNK SOURCE, 302 S RIVERVIEW AVE, MIAMISBURG, OH 45342 — SHWS — S100037719, N/A

SHWS:

Facility ID:	557-1359	EPA ID:	NOT ASSIGNED	Prelim. Assessment Date:	Not reported
Priority:	HIGH - There is evidence or it is suspected that hazardous waste has been managed and there is evidence of a release of hazardous waste which which may present a substantial threat to public health or safety.				
Problem:	GW ORGANICS				

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
BEAVERCREEK	U001964051	CATES SALES & SERVICE	3310 DAYTON XENIA RD	45432	UST	0-292261
BEAVERCREEK	S101562515	DYES PENNZOIL	3851 DAYTON XENIA RD	45432	LUST	-0-
BEAVERCREEK	S101562533	TOMS QUICK LUBE	3815 DAYTON XENIA RD	45432	LUST	-0-
BEAVERCREEK	S101562553	KNOLLWOOD GARDEN CENTER	3766 DAYTON XENIA RD	45432	LUST	-0-
BEAVERCREEK	U000892037	KNOLLWOOD MARATHON	3844 DAYTON-XENIA RD	45432	UST	0-290099
BEAVERCREEK	U000696152	DYE'S KNOLLWOOD PENNZOIL	3851 DAYTON-XENIA RD	45432	UST	0-294274
DAYTON	U001431511	BOONE WATER SYSTEMS, INC.	1519 S CENTRAL DR	45432	UST, LUST	290587
DAYTON	U000892071	TOM'S SUTO QUICK LUBE SERVIE I	3815 DAYTON XENIA RD	45432	UST	0-293719
DAYTON	U000894584	KNOLLWOOD FLORIST, INC.	3766 DAYTON XENIA RD	45432	UST	0-570895
DAYTON	1000990750	UES INC	4401 DAYTON-XENIA RD	45432	RCRIS-SQG	
DAYTON	1000289261	PHILLIPS SAND & GRAVEL	NORTH FAIRFIELD RD	45432	FINDS, CERC-NFRAP, SHWS	
MIAMISBURG	S100031602	UNKNOWN	ADJ 150 RIVERVIEW AVE	45342	LUST	-0-
MIAMISBURG	U002223400	PENNZOIL	8681 DAYTON CINCINNATI PIKE	45342	UST	0-572210
MIAMISBURG	U000894692	GARY L. JESTICE	72 N MAIN ST	45342	UST	0-577617
MIAMISBURG	U000894676	WYLIE F. FAULKNER	110 N MAIN ST	45342	UST	0-576514
MIAMISBURG	U001964188	C G & R	901 S MAIN ST	45342	UST	0-572444
MIAMISBURG	U001431648	THE POINTE	155 S MAIN ST	45342	UST	0-570738
MIAMISBURG	U001431608	FRALEY FENCE	311 N MAIN ST	45342	UST	0-570049
MIAMISBURG	U000894675	CITY OF MIAMISBURG	600 N MAIN ST	45342	UST	0-576023
MIAMISBURG	S100779275	US DOE MOUND FACILITY*	MOUND RD	45342	SHWS	
MIAMISBURG	U001431691	MONARCH MARKING SYS INC	ST RT 725 AND BYERS RD	45432	UST	0-574851

GEOCHECK VERSION 2.1 ADDENDUM
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (North Quadrant)

BASIC WELL DATA

Site ID:	393819084173900	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1990	County:	Montgomery
Altitude:	692.17 ft.	State:	Ohio
Well Depth:	44.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	11.50 ft.	Prim. Use of Site:	Observation
Date Measured:	11271990	Prim. Use of Water:	Unused

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary-Pleistocene
Principal Lithology of Unit:	Sand and silt
Further Description:	SILT/SAND BROWN

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (South Quadrant)

BASIC WELL DATA

Site ID:	393724084172900	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1964	County:	Montgomery
Altitude:	698.00 ft.	State:	Ohio
Well Depth:	226.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	Not Reported	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Industrial

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary-Pleistocene
Principal Lithology of Unit:	Outwash
Further Description:	Not Reported

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (West Quadrant)

BASIC WELL DATA

Site ID:	393757084173600	Distance from TP:	1/4 - 1/2 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1955	County:	Montgomery
Altitude:	691.00 ft.	State:	Ohio
Well Depth:	95.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	24.13 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	12311975	Prim. Use of Water:	Public supply

LITHOLOGIC DATA

Not Reported

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Well Information:

Well Within 1/2 - 1 Mile of Target Property (Northern Quadrant)

PWS ID:	5701212	Population Served:	18,500
Latitude:	0393813	Longitude:	0841744
Owner:	MIAMISBURG,CITY OF		
Source:	Ground		

Well Within >2 Miles of Target Property (Southern Quadrant)

PWS ID:	8301412	Population Served:	7,800
Latitude:	0393505	Longitude:	0841733
Owner:	SPRINGBORO,VLG.OF-CHAUTAUQUA		
Source:	Ground		

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest Well.

PWS SUMMARY:

PWS ID:	OH5744912	PWS Status:	Active	Distance from TP:	1/2 - 1 Mile
Date Initiated:	Not Reported	Date Deactivated:	Not Reported	Dir relative to TP:	North
PWS Name:	MOUND PLANT MANAGER, MAINTENANCE EG&G PO BOX 3000 MIAMISBURG, OH 45343				

Addressee / Facility Type:	Not Reported		
Facility Name:	Not Reported		
Facility Latitude:	39 38 34	Facility Longitude:	084 17 12
City Served:	Not Reported:		
Treatment Class:	Treated	Population Served:	1,001 - 2,500 Persons

Well currently has or has had major violation(s): No

EPA Waste Codes Addendum

Code	Description
D000	NOT DEFINED
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F004	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND

Code	Description
	NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F008	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F009	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F010	QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F011	SPENT CYANIDE SOLUTIONS FROM SALT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.
F012	QUENCHING WASTE WATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
P029	COPPER CYANIDE
P029	COPPER CYANIDE CU(CN)
P030	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
P074	NICKEL CYANIDE
P074	NICKEL CYNAIDE NI(CN)2
P098	POTASSIUM CYANIDE
P098	POTASSIUM CYANIDE K(CN)
P104	SILVER CYANIDE
P104	SILVER CYANIDE AG(CN)

EPA Waste Codes Addendum

Code	Description
P106	SODIUM CYANIDE
P106	SODIUM CYANIDE NA(CN)
P121	ZINC CYANIDE
P121	ZINC CYANIDE ZN(CN)2
U002	ACETONE (I)
U002	2-PROPANONE (I)
U112	ACETIC ACID ETHYL ESTER (I)
U112	ETHYL ACETATE (I)
U140	ISOBUTYL ALCOHOL (I,T)
U140	1-PROPANOL, 2-METHYL- (I,T)
U159	2-BUTANONE (I,T)
U159	METHYL ETHYL KETONE (MEK) (I,T)
U160	2-BUTANONE, PEROXIDE (R,T)
U160	METHYL ETHYL KETONE PEROXIDE (R,T)
U188	PHENOL
U210	ETHENE, TETRACHLORO-
U210	TETRACHLOROETHYLENE
U220	BENZENE, METHYL-
U220	TOLUENE
U226	ETHANE, 1,1,1-TRICHLORO-
U226	METHYL CHLOROFORM
U239	BENZENE, DIMETHYL- (I,T)
U239	XYLENE (I)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA/NTIS
Telephone: 703-416-0702
CERCLIS: CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/31/95 — Date of Data Arrival at EDR: 11/02/95
Date Made Active at EDR: 12/04/95 — Elapsed ASTM days: 32

ERNS: Emergency Response Notification System
Source: EPA
Telephone: 202-260-2342
ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/94 — Date of Data Arrival at EDR: 04/11/95
Date Made Active at EDR: 05/25/95 — Elapsed ASTM days: 44

NPL: National Priority List
Source: EPA
Telephone: 703-603-8852
NPL: National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 09/01/95 — Date of Data Arrival at EDR: 10/17/95
Date Made Active at EDR: 10/25/95 — Elapsed ASTM days: 8

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 703-308-7907
RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 05/31/95 — Date of Data Arrival at EDR: 06/28/95
Date Made Active at EDR: 08/22/95 — Elapsed ASTM days: 55

FEDERAL NON-ASTM RECORDS:

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies — Date of Next Scheduled Update: 09/01/95

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 703-308-7907
CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/95 — Date of Next Scheduled Update: 12/18/95

FINDS: Facility Index System
Source: EPA/NTIS
Telephone: 800-908-2493
FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 07/27/94 — Date of Next Scheduled Update: 01/08/96

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/94 — Date of Next Scheduled Update: 04/30/96

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/01/95 — Date of Next Scheduled Update: 01/15/96

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-260-8969
NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91 — Date of Next Scheduled Update: 02/26/96

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3992
PADS: PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/14/94 — Date of Next Scheduled Update: 02/19/96

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RAATS: RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA.

Date of Government Version: 04/17/95 Date of Next Scheduled Update: 12/18/95

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0703
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/31/95 Date of Next Scheduled Update: 03/04/96

TRIS: Toxic Chemical Release Inventory System
Source: EPA/NTIS
Telephone: 202-260-2320
TRIS: Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/92 Date of Next Scheduled Update: 04/12/96

TSCA: Toxic Substances Control Act
Source: EPA/NTIS
Telephone: 202-260-1444
TSCA: Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 01/31/95 Date of Next Scheduled Update: 03/18/96

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF OHIO ASTM RECORDS:

LUST: List of Reported Petroleum Underground Storage Tank Release Incidents
Source: Department of Commerce
Telephone: 614-752-7926
LUST: Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/01/95 — Date of Data Arrival at EDR: 11/06/95
Date Made Active at EDR: 12/05/95 — Elapsed ASTM days: 29

SHWS: Master Sites List
Source: Ohio Environmental Protection Agency
Telephone: 614-644-3143
SHWS: State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/01/95 — Date of Data Arrival at EDR: 04/24/95
Date Made Active at EDR: 05/16/95 — Elapsed ASTM days: 22

SWF/LS: Licensed Solid Waste Facilities
Source: Ohio Environmental Protection Agency
Telephone: 614-644-2621
SWF/LS: Solid Waste Facilities/Landfill Sites. SWF/LS type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/22/95 — Date of Data Arrival at EDR: 06/26/95
Date Made Active at EDR: 07/27/95 — Elapsed ASTM days: 31

UST: Facility File
Source: Department of Commerce
Telephone: 614-752-7926
UST: Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/01/95 — Date of Data Arrival at EDR: 09/18/95
Date Made Active at EDR: 10/10/95 — Elapsed ASTM days: 22

STATE OF OHIO NON-ASTM RECORDS:

SPILLS: Inclused Reported Incidents, Spills or Releases to The Environment
Source: Ohio EPA
Telephone: 614-644-2084
SPILLS: All reported incidents, spills or releases to the environment.

Date of Government Version: 12/31/93 — Date of Next Scheduled Update: 12/18/95

Historical and Other Database(s)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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DELISTED NPL: Delisted NPL Sites
Source: EPA
Telephone: 703-603-8769
DELISTED NPL: The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

NFRAP: No Further Remedial Action Planned
Source: EPA/NTIS
Telephone: 703-416-0702
NFRAP: As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

FRDS: Federal Reporting Data System
Source: EPA/Office of Drinking Water
Telephone: 202-260-2805
FRDS provides information regarding public water supplies and their compliance with monitoring requirements, maximum contaminant levels (MCL's), and other requirements of the Safe Drinking Water Act of 1986.

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals who, due to their fragile immune systems, are deemed to be especially sensitive to environmental discharges. These typically include the elderly, the sick, and children. While the exact location of these sensitive receptors cannot be determined, EDR indicates those facilities, such as schools, hospitals, day care centers, and nursing homes, where sensitive receptors are likely to be located.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1994 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams
Source: Federal Emergency Management Agency
Telephone: 202-646-2801
WATER DAMS: National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

Ohio Public Water Systems
Source: Ohio EPA, Division of Drinking & Groundwater

Appendices 7.5 Interview Documentation

(No Interview Documentation)

Appendices 7.6 Radiological & Other Survey Reports

Appendix 7.6.1 Radiological

Radiological Characterization Summary
GIS Building

Type	RSDS	Location	Amount (dpm/100 cm2)	5400.5 Guidelines for Groups 1,3,4 (fixed + Loose) (dpm/100 cm2)	NUREG 1500 Guidelines (loose) (dpm/100 cm2)
Highest Alpha Smearable Activity	97-SW-677	Window Frame	4	20	211
Highest Alpha Fixed Activity	97-SW-677	All	<100	100	Note 1
Highest Beta Smearable Activity	97-SW-677	Door Knob	5	1,000	9940
Highest Beta Fixed Axtivity	97-SW-677	All	<5000	5,000	Note 1
Highest Tritium Smearable Activity	97-SW-677	South Wall	215	1,000	Note 1

Note 1: NUREG-1500 gives guidelines for loose beta and alpha only.
Note 2: The limits referenced above are based on MD-80043, Radiological Work Requirements Procedure 400 "Transfer of Radioactive Material and Unrestricted Release of Property/Waste" Attachment 1.

EG&G Reviewed on 04/28/97

PROPERTY/WASTE RELEASE EVALUATION

PRE Number: 033197-GIS-06 THIS P/WRE VOIDS AND SUPERCEDES P/WRE 032597-GIS-01. [illegible] 3-31-97

PART I Sender/Custodian

Work Order No. _____

Description of Property/Waste to be Released/Transferred:
GIS BUILDING AND PORTIONS OF BUILDING FOUNDATION (GIS STANDS FOR "GUARD ISLAND SHED") FINAL DISPOSITION OF BUILDINGS REQUIRE SURVEYING

Property's Current Location: GIS

Property's Destination: LANDFILL

Property's New Recipient/Custodian: LANDFILL (FINAL DISPOSITION)

Property's History/Process Knowledge: THE BUILDING DOES NOT LIKELY HAVE RADIONUCLIDE CONTAMINATION BUT SURVEYS SHOULD BE CONDUCTED FOR PERIODIC VERIFICATION. ~~IS~~ GROUND WATER SEEPS WITH RADIONUCLIDE CONTAMINATION RESIDE IN ~~THE BEDRO~~ FRACTURED BEDROCK BELOW GRADE.

Is Property/Waste located in a Radioactive Materials Management Area, Radioactive Materials Area, or been exposed to a source of activation (i.e., neutrons) or has it come in contact with unencapsulated radioactive material? ☐ Yes ☐ No ☒ Unknown VERY UNLIKELY, EXCEPT FOUNDATION

ACKNOWLEDGEMENT: By signing below, the sender/custodian verifies the above information to be true and correct.

Sender/Custodian: (Print Name) [redacted]

(Signature) [redacted] H.P. No. 5277

Date: 3/20/97 Pager: _____ Ext.: 4886

PART II Area Health Physicist

Check any of the following that applies:

Type of Evaluation: ☑ Specific ☐ Extended (Expires: _____)

☐ No radiological survey is required due to the property's location, history, and/or characteristics.

☐ Radiological survey for both removable and fixed contamination: ☐ Alpha ☐ Beta/gamma

☐ Radiological survey via spectral analysis

Specific requirements and/or comments:

BUILDING OWNER IS RESPONSIBLE FOR GAINING DECISION MAKER APPROVAL PER STEP 1 AND 8 OF THE ATTACHED SURVEY CRITERIA. SURVEYS SHALL BE PERFORMED IN ACCORDANCE WITH THE ATTACHED INSTRUCTIONS. THIS BUILDING HAS AN EVALUATION IN THE FILE AS A NON-RMMA.

EVALUATED BY: [redacted] 3-31-97

Area HP (Printed/Signature) [redacted] HP No. 6053 Date 3-24-97

P/WRE # 033197-GIS-06 (This P/WRE supercedes P/WRE# 032597-GIS-01)
ATTACHMENT FOR GIS P/WRE

NOTE: The survey criteria in this P/WRE have been revised based on instruction from the decision makers - see attached GroupWise document from George Nafziger.

THIS P/WRE IS INTENDED FOR USE PRIOR TO THE DISMANTLING OR DEMOLITION OF ONSITE BUILDINGS THAT ARE NOT EXPECTED TO BE CONTAMINATED.

Note: The objective of the following survey is to confirm that buildings which are expected to be radiologically clean, based on existing information, do not contain unexpected radiological contamination. The following survey protocol is based on criteria from a document titled "Generic Process for the Disposition of Buildings That Have Potential or Actual Radiological Contamination". The survey criteria described in that document have been modified as stated in the Note above based on direction from the Decision Makers.

BUILDING SURVEY

1. The building owner is responsible for presenting the following survey criteria to the decision makers (as defined in "Generic Process for the Disposition of Buildings That Have Potential or Actual Radiological Contamination") and gaining their approval prior to the survey being performed.

2. Use an NE Electra with a DP-6 probe for the scan survey. This survey will cover about a 1 square foot area at each location where a wipe is taken. The survey with this instrument will be for alpha and beta-gamma contamination.

3. Perform a wipe and scan survey of locations shown on the attached drawing from George Nafziger. Apply limits as defined in attachment 1 of MD-80043 Operation 400.

4. All removable contamination surveys are to be counted for alpha, beta and tritium.

5. Conduct a general area dose rate survey using a micro-R meter. Report measurements greater than 10 micro-R above background or greater than 25 micro-R (total) to the Area Radiological Engineer (Area RE).

6. Conduct/Document all surveys (direct and wipe surveys) in accordance with MD-80036 Operation 10002.

7. Contact the Area RE immediately, if any of the above surveys indicate the presence of contamination above the limits in Attachment 1 of MD-80043 Operation 400 or indicate the presence of radioactive material, and void the P/WRE. Also contact the

Area Radiological Engineer if any contamination surveys are greater than background.

8. If the survey described above indicates contamination levels above background, a detailed internal survey of the building, including the walls and overhead areas, will be required and shall be sent to the decision makers for approval of survey results.

9. Radiological Operations shall collate and attach legible, approved copies of all survey data to the P/WRE and present the information to the building owner. The building owner will need this information for final closure with the decision makers.

Appendix 7.6.2 Asbestos

ACM in buildings can be found in five (5) forms: sprayed or troweled on ceilings and walls (surfacing materials); insulation around pipes, ducts, boilers and tanks (pipe and boiler insulation); transite (in ground piping); and in roofing materials (shingles and roofing felts); other products such as ceiling and floor tiles and wall boards (miscellaneous materials).

Mound's Technical Manual, Asbestos Program Manual, MD-10391, indicates that (known, assumed, suspected) asbestos is found in GIS Building. An independent analysis was performed on August 9, 1995, by Mound's Industrial Hygiene group and the results of that survey are found in here.

ASBESTOS SURVEY REQUEST

A. PROJECT ENGINEER COMPLETES THIS SECTION

PROJECT TITLE:
Disposal of GIS (Main Hill Guard Island) Building

CHARGE NO.:

LOCATION (CRAWL SPACE, PENTHOUSE, ETC.) AND TYPE OF MATERIAL TO BE SAMPLED:

Building is scheduled for demolition. Building may contain asbestos-containing floor tile and roofing materials. Building was constructed in 1950's.

KNOWN HISTORICAL ASBESTOS INFORMATION (Review the drawings for this project. If asbestos is identified briefly indicate the location, quantity, and identity.)

Floor tile and roofing materials are suspect materials.

PROJECT ENGINEER:	PHONE:	DATE SUBMITTED:
George Nafziger	4598	7/20/95

B. INDUSTRIAL HYGIENE COMPLETES THIS SECTION

FINDINGS: The survey of the GIS building identified two asbestos-containing materials, that will be encountered during the project activities. These materials were the original floor tile which contains 1-5% Chrysotile asbestos and pipe insulation which contains 10-25% Chrysotile asbestos and 10-25% Amosite asbestos. The floor tile has been classified per EPA NESHAP as a Category I nonfriable material and the building contains approximately 140 square feet of tile. The pipe insulation is a friable material and its quantity has been estimated to be 1 to 2 linear feet, since it is not exposed entirely. (The floor tile is in good condition/is not friable.)

Other suspect asbestos-containing materials, that were sampled and identified as non asbestos-containing, are the roofing materials, second layer of floor tile, and both floor tile mastics.

Attached is a copy of the laboratory analytical report with sample identification.

IF HIDDEN ASBESTOS IS ENCOUNTERED DURING THIS PROJECT, STOP WORK AND CALL INDUSTRIAL HYGIENE.

IS ALL ASBESTOS ACCOUNTED FOR ACCORDING TO PAST SURVEYS?
☐ YES ☒ NO

ABATEMENT ACTION REQUIRED:

- OEPA/RACPA Demolition Notification (see attachment) is required.
- Roofing materials as well as flooring materials are classified as Category I non-friable materials and will not be required to be removed from the building prior to demolition. During demolition, measures should be taken to avoid making these materials friable and dust suppression measures should be used.
- Prior to demolition the pipe insulation found near the two doorways (North and south) shall be removed completely by glovebag. The exposed pipe shall be encapsulated or foam filled to avoid the possibility of fiber release during demolition.
- If project scope-of-work is altered or suspect ACM is encountered, contact IH.

DATE:	APPROVED:
8/9/95	Timothy J. Eberz INDUSTRIAL HYGIENE REP.

ML-8682 (3-94)

LABORATORY ANALYSIS REPORT

Mr. Tim Eilers
EG&G MOUND APPLIED TECHNOLOGIES
P.O. Box 3000 B-157
Miamisburg, OH 45343-3000

Page 1
Report Date : 07/26/95
HEG Task # : 95075295
HEG P/N, Acct:

P.O. Number: 61120 Date Received: 07/27/95

HEG Sample # : 9508007 Sample Date: 07/25/95 Sample Priority: Rush
Sample ID : 95072501

Parameter	Units	Results	Comments
Bulk Asbestos			
Gross Sample Appearance		Homogeneous	
Color		Off-white	
Asbestos Type		None detected	
Asbestos Type			
Asbestos Type			
Total % Asbestos		-	
Other Fibrous Mat'l		Cellulose 5-10%	
Other Fibrous Mat'l		Fibrous glass 1-5%	
Other Non-Fib. Mat'l		CaCO3	

HEG Sample # : 9508008 Sample Date: 07/25/95 Sample Priority: Rush
Sample ID : 95072502

GTS Roofing Material

Parameter	Units	Results	Comments
Bulk Asbestos			
Gross Sample Appearance		Homogeneous	
Color		Black	
Asbestos Type		None detected	
Asbestos Type			
Asbestos Type			
Total % Asbestos		-	
Other Fibrous Mat'l		Cellulose 1-5%	
Other Fibrous Mat'l			
Other Non-Fib. Mat'l		Tar, CaCO3	

LABORATORY ANALYSIS REPORT

Mr. Tim Eilers
EG&G MOUND APPLIED TECHNOLOGIES
P.O. Box 3000 B-157
Miamisburg, OH 45343-3000

Page 2
Report Date : 07/28/95
HEG Task # : 95070295
HEG P/N, Acct:

HEG Sample # : 9508009 Sample Date: 07/26/95 Sample Priority: Rush
Sample ID : 95072601

Parameter	Units	Results	Comments
Bulk Asbestos			
Layer Id		Tile	
Gross Sample Appearance		Homogeneous	
Color		Brown	
Asbestos Type		None detected	
Asbestos Type			
Asbestos Type			
Total % Asbestos		-	
Other Fibrous Mat'l		Cellulose 0-1%	
Other Fibrous Mat'l			
Other Non-Fib. Mat'l		CaCO3, vinyl	
Bulk Asbestos			
Layer Id		Mastic	
Gross Sample Appearance		Homogeneous	
Color		Black	
Asbestos Type		None detected	
Asbestos Type			
Asbestos Type			
Total % Asbestos		-	
Other Fibrous Mat'l		Cellulose 1-5%	
Other Fibrous Mat'l			
Other Non-Fib. Mat'l		Tar, CaCO3	

GIS Floor tile with mastic (Type 1)

LABORATORY ANALYSIS REPORT

Mr. Tim Eilers
EG&G MOUND APPLIED TECHNOLOGIES
P.O. Box 3000 B-157
Miamisburg, OH 45343-3000

Page 3
Report Date : 07/28/95
HEG Task # : 95070295
HEG P/N, Acct:

HEG Sample # : 9508010 Sample Date: 07/26/95 Sample Priority: Rush
Sample ID : 95072602

Parameter	Units	Results	Comments
Bulk Asbestos			
Layer Id		Tile	
Gross Sample Appearance		Homogeneous	
Color		Tan	
Asbestos Type		Chrysotile 1-5%	52
Asbestos Type			
Asbestos Type			
Total % Asbestos		1-5%	
Other Fibrous Mat'l		-	
Other Fibrous Mat'l			
Other Non-Fib. Mat'l		CaCO3, vinyl	
Bulk Asbestos			
Layer Id		Mastic	
Gross Sample Appearance		Homogeneous	
Color		Black	
Asbestos Type		None detected	
Asbestos Type			
Asbestos Type			
Total % Asbestos		-	
Other Fibrous Mat'l		Cellulose 1-5%	
Other Fibrous Mat'l			
Other Non-Fib. Mat'l		Tar, CaCO3	

GIS floor tile with mastic (Type 2)

FORE Testing Laboratories Inc.

LABORATORY ANALYSIS REPORT

Mr. Tim Eilers
EG&G MOUND APPLIED TECHNOLOGIES
P.O. Box 3000 B-157
Miamisburg, OH 45343-3000

Page 4
Report Date : 07/28/95
HEG Task # : 95070295
HEG P/N, Acct:

HEG Sample # : 9508011 Sample Date: 07/26/95 Sample Priority: Rush
Sample ID : 95072603

Parameter	Units	Results	Comments
Bulk Asbestos			
Gross Sample Appearance		Homogeneous	
Color		Gray	
Asbestos Type		Chrysotile 10-[illegible]	
Asbestos Type		Amosite 10-25%	
Asbestos Type			
Total % Asbestos		20-50%	
Other Fibrous Mat'l		-	
Other Fibrous Mat'l			
Other Non-Fib. Mat'l		CaCO3	

G/S pipe insulation near doorway.

52 Visual estimate, not quantified by point counting

FORE
Testing Laboratories Inc.

Appendix 7.6.3 Lead

MOUND

INTEROFFICE CORRESPONDENCE

Date: 8/9/95

From: Tim Eilers, Industrial Hygiene

Subject: Disposal of GIS Building Project

To: George Nafziger

Lead

This is response to your Asbestos Survey Request form submittal and the question whether the paint in/on GIS building contains lead and if it should be classified as lead-based paint.

Industrial hygiene personnel (Evan Kirk and Steven Todd) performed a survey of this building on July 26, 1995 and sampled the paint. Sampling was performed using a lead screening test kit (LeadCheck swabs) on several painted building surfaces. The exterior paints did not indicated the presence of lead-based paint (All results were < 2.0 micrograms lead). The exterior underlying primer coat did indicated the presence of lead-based paint (2.0 micrograms lead), but these sampling results will not impact this project.

The completed Asbestos Survey Request form, which details the requirements for the demolition is attached. The OEPA/RACPA Demolition notification will be required to be approved by me and a DOE representative will sign sections XVII and XVIII (please consult me for completion of this form). OEPA/RACPA requires a 20-day notification period prior to project activities.

If you have any questions, please contact me.

Appendix 7.6.4: Other
(Environmental Appraisal Report of the Mound Plant)

(Extract)

9.9 BUILDING GIS

9.9.1 Scope of Building GIS Report

In late 1995 and the early months of 1996, EG&G MAT performed a review of environmental conditions at the Mound Plant. The purpose was to develop a performance baseline, and to identify areas for improvement on a building and a sitewide basis. EG&G MAT did not perform a "due diligence" or Phase I Environmental Site Assessment as specified by ASTM 1527 or ASTM 1528. The scope of the appraisal effort and a discussion of the appraisal methodology are detailed in Sections 2.0 and 5.0, found in Volume 1 of this report.

The appraisal team performed a walk-through of Building on the morning of February 7, 1996. The Environmental Appraisal Checklist (EAC) was used to record findings. The EAC is included as Attachment 1 (Section 9.9.6.1). The appraisers were not accompanied by the building manager or the process manager. Other information was supplied by the building manager and recorded on the Building Manager's Questionnaire (BMQ), included as Attachment 2 (Section 9.9.6.2).

9.9.2 Description of Building GIS

Building GIS is an unoccupied guard post. It is located on Mound Road at the northern end of the Mound Plant, north of Building GH. The location is shown in Attachment 3 (Section 9.9.6.3).

The building is a 166-square-foot building with a brick face, glass windows and a built-up membrane asphalt roof. There is electrical service of 240V, electric heat, and a window air conditioner. It was constructed in 1948. A floor plan is presented as Attachment 4 (Section 9.9.6.4).

The building is currently unoccupied. Previously, it was used as a checkpoint island for security when entering the main hill portion of the plant. The building is scheduled for demolition.

9.9.3 Summary of Findings

No environmental concerns were identified during the walk-through or by review of reference documents.

9.9.4 Observations

9.9.4.1 Air Emissions

There are no processes or fuel-burning units in the building. Heat is provided by electric resistance units. There are no sources of emissions. There is no fugitive dust. No air permits have been submitted for activities in this building.

9.9.4.2 Wastewater Emissions

The Mound Facility has three wastewater collection systems: a sanitary wastewater system; a storm water system; and a radioactively contaminated process wastewater system. Sanitary wastewater is treated at an onsite tertiary treatment plant and subsequently discharged by hard pipe to the Great Miami River. Storm water and any non-process wastewater, single pass cooling water, and softener backwash may be discharged directly to the Great Miami River, via the Miami-Erie Canal, or may be diverted to a 3.1-million-gallon holding pond for settling prior to discharge. Radioactively contaminated wastewater is treated in Building WD by physical-chemical treatment. If appropriate, wastewater may be discharged by hard pipe to the Great Miami River. If concentrations of radioactive contaminants cannot be reduced to acceptable levels, wastewater is solidified and shipped to the Nevada Test Site or Envirocare for disposal. All outfalls are permitted under an active NPDES permit. Routine monitoring activities are in place. Based on NPDES monitoring report data reviewed, it appears that the facility is in compliance with qualitative and quantitative conditions of the permit.

9.9.4.2.1 Sanitary Wastewater

The building has no sanitary service. According to a diagram of underground utility lines, presented as Attachment 5 (Section 9.9.6.5), the building is serviced not by a sanitary line.

9.9.4.2.2 Storm Wastewater

The building is not serviced by storm drains according to drawings presented in Attachment 5 (Section 9.9.6.5). Exterior grates and drains were not tested to confirm that they connect to the storm drainage system. Inspection showed no sign of odors, colored discharges, or scarring which would indicate that any materials other than storm water has entered the storm drainage system.

9.9.4.2.4 Chemicals

There are no Clean Water Act designated chemicals used in the building, with the exception of asbestos. There is no evidence that any chemicals have entered the wastewater collection system.

9.9.4.3 Potable and Service Water

Potable and service water are not supplied to the building.

9.9.4.4 Chemical Storage and Hazardous Materials

There are no chemicals or hazardous wastes stored in the building. There are no janitorial supplies. According to the *Mound Facility Physical Characterization* report (12-1-93), the building is not contaminated with radioactive or energetic materials.

There are no capacitors or transformers in the building. According to the 1995 PCB Annual Document Log, the building does not contain polychlorinated biphenyls (PCB's)

The building contains asbestos building materials, according to the MD-10391, *Asbestos Program Manual*, 9-14-95, Issue 3. There was no visual evidence of friable asbestos.

9.9.4.5 Solid, Hazardous, and Radioactive Wastes

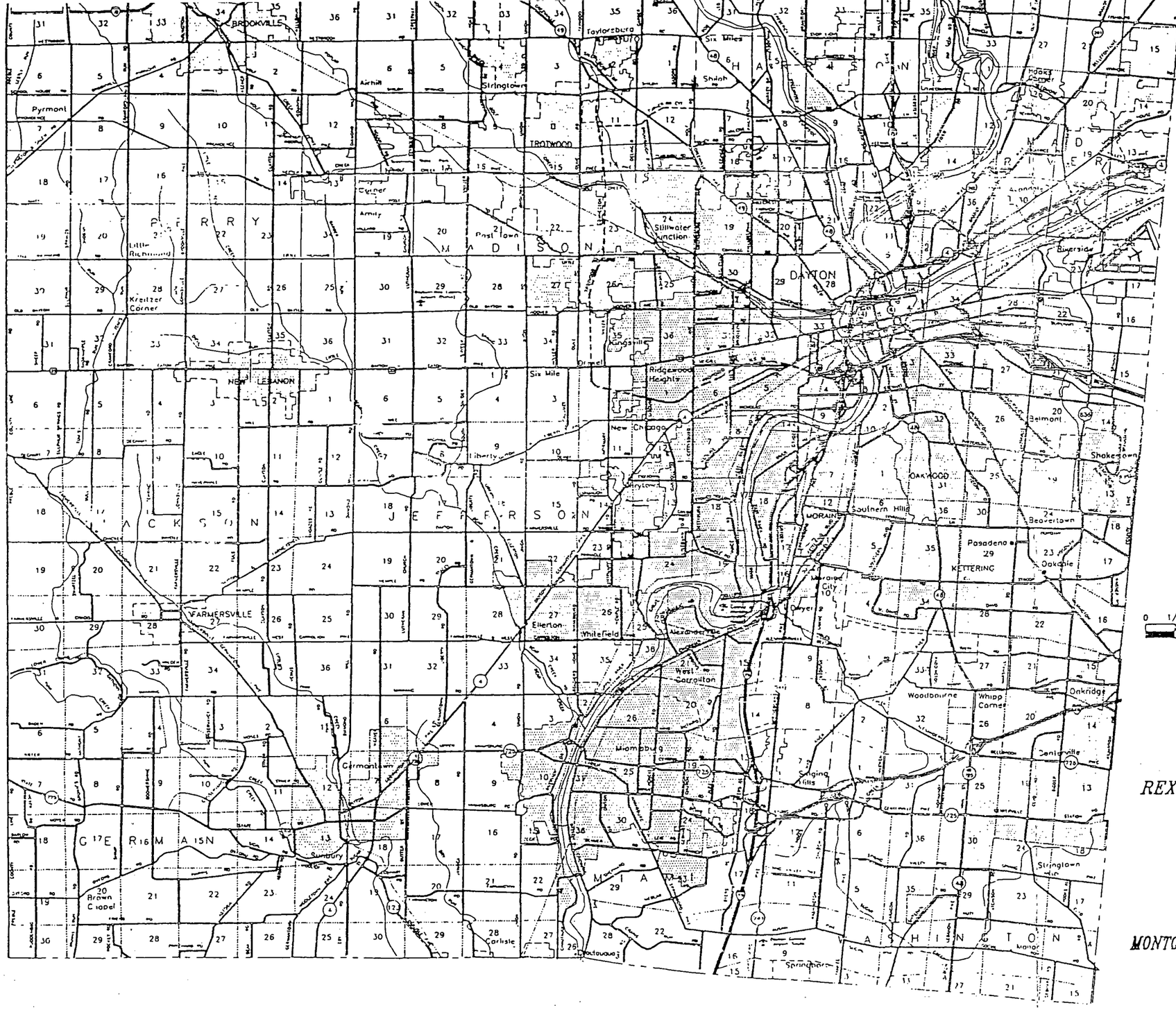
There are no solid, hazardous, or radioactive wastes generated in Building GIS by any process.

9.9.4.6 Waste Minimization and Pollution Prevention

There are no waste minimization or pollution prevention activities appropriate to this building.

9.9.5 Findings and Recommendations

Photographs were taken to document the environmental appraisal activities. They are found in Attachment 6 (Section 9.9.6.6). There are no findings or action items related to the environmental appraisal of Building GIS.



REX A. DICKEY, P.E.,P.S.

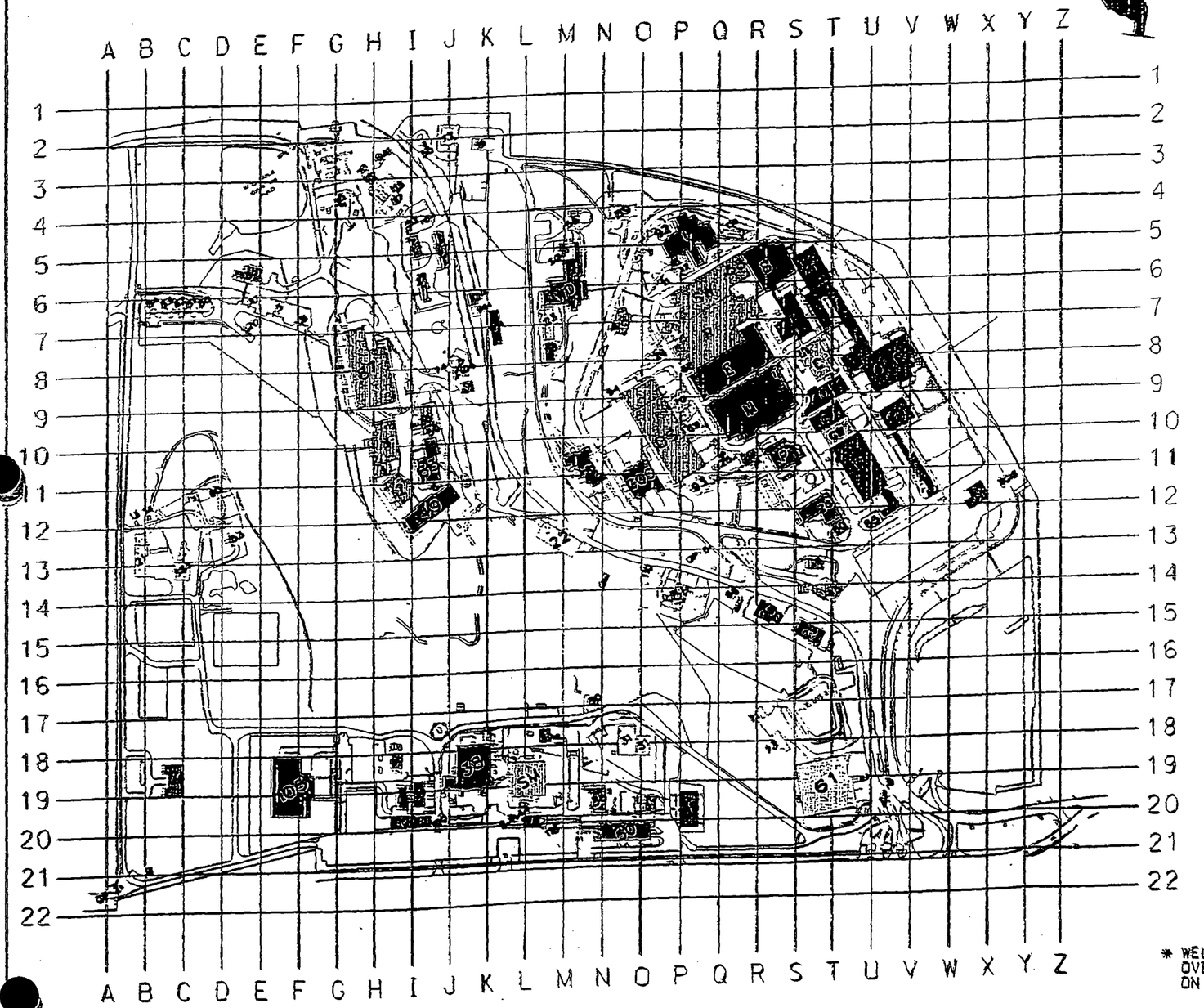
MONTGOMERY COUNTY ENGINEER

FEBRUARY, 1997

LEGEND:

- ADMINISTRATIVE BUILDINGS
- STORAGE BUILDINGS
- PRODUCTION BUILDINGS
- SERVICE BUILDINGS
- LABORATORY
- UTILITY BUILDINGS
- REMOVED / DEMOLISHED BUILDINGS

T-BLDG
(UNDER DS BLDG)



MOUND BUILDING LOCATIONS

BUILDING	LOCATION
A	T/7
B	R,S/5,6
C	S,T/8,9
COS	O/11
DS	P/10
E	Q/8
G	S,T/9,10
GH	W,X/11,12
GIS	X,Y/11,12
GP1	V,W/11,12
GP2	A,B/21,22
GP5	P,Q/12,13
GP8	U,V/19,20
GP44	K,L/19,20
GW	T/10
H	S/7
HH	M,N/10,11
I	P/5
M	R/9
OSE	U,V/8,9
OSW	S,T/5,6
P	R,S/10,11
PH	J,K/6,7
PS	Q,R/10,11
R	Q/7
SD	M/5
SST	C/13
SW	Q/6
T	P/10
W	U/11
WD	M/6
WH1	*
WH2	*
WH3	*
1	J,K/8,9
2	H,I/11,12
3	H,I/10,11
4	8/21
5	E,F/6,7
6	J/11
7	O/5
8	F,G/6,7
10	D,E/6,7
11	O,P/5,6
19	J,K/2,3
20	D,E/6,7
21	A,B/12,13
22	L,M/12,13
23	L,M/6,7
24	J,K/6,7
25	Q,R/10,11
27	I,J/5,6
28	T/12
29	S,T/15,16
30	M,N/16,17
31	O/18
33	L,M/17,18
34	G,H/3,4
35	I,J/9,10
36	M,N/19,20

BUILDING	LOCATION
37	O,P/19,20
38	J,K/18,19
39	I,J/19,20
40	S,T/9,10
42	I,J/4,5
43	J,K/8,9
44	L,M/19,20
45	T/14
46	S,T/13,14
47	U,V/11,12
48	N,O/6,7
49	I,J/11,12
50	N,O/20,21
51	P/14
52	I,J/4,5
53	D,E/12,13
54	N,O/8,9
55	I,J/2,3
56	M,N/4,5
57	H,I/3,4
58	Q,R/5,6
59	I,J/9,10
60	T,U/12,13
61	T/19
63	I,J/10,11
64	I,J/4,5
67	I,J/4,5
68	P,Q/8,9
71	R,S/17,18
72	J/2
73	R,S/18,19
74	J,8
79	L,M/7,8
80	C,D/6,7
81	C,D/6,7
82	B,C/6,7
83	B,C/6,7
84	B,C/6,7
85	D,E/5,6
87	H/8
88	P,Q/19,20
89	N,O/4,5
91	U,V/9,10
94	H,I/2,3
95	H,I/18,19
98	R,S/14,15
99	T,U/8,9
100	B,C/18,19
101	H,I/19,20
102	I/20
104	K,L/7,8
105	F/19
110	O,P/13,14
112	H/3
113	H,I/3,4
118	L,M/20
120	I,J/19,20

REMOVED / DEMOLISHED BUILDINGS

BUILDING	LOCATION
13	A,B/11,12
14	B,C/11,12
16	P,Q/5,6
17	P,Q/5,6
26	O,P/7,8
65	U,V/12,13
66	Q,R/14,15
69	P,Q/9,10
70	P/9
90	C,D/11,12
92	O,P/4,5
93	P,Q/11,12
96	U,V/11,12
106	J,K/8,9
114	Q,R/4,5
SM	L/19

* WELL HOUSES LOCATED TO THE LEFT OF THE OVERFLOW POND (E/3) IN AREA NOT INCLUDED ON THIS MAP.

MOUND SITE
PLANNING INFORMATION

BUILDING LOCATIONS

No. 6-6

REVISION DATE
09/16/96

Legend

- Structures
- Paved roadway
- Unpaved roadway
- Railroad
- Water course
- Fence
- Retaining wall
- Road Fiscal boundary
- Contour line
- PRS Area boundary
- PRS Block

QTY.		STATUS
23	•	No Further Assessment Pending Stakeholder Review
115	•	No Further Assessment Required
7	•	Response Action Required
54	•	Further Assessment Required
23	•	Unknown
190	•	To be Addressed under the Decontamination & Decommissioning Program
Total: 412		

04-07-97	Revision to PRS status	RB				
03-17-97	Revision to PRS status	RB				
02-27-97	Revision to PRS status	RB				
01-29-97	Revision to PRS status	RB				
3	DATE	REVISION	BY	CHKD	APPD	#

0 100 200 400 600 800 1000
Scale in Feet

1. The electronic base map data file was obtained from Woolpert Consultants, Inc., Dayton, Ohio. The data were photogrammetrically compiled from aerial photography dated 04/04/94.

Coordinate Datum is based on the Ohio State Plane Coordinate System, South Zone. Horizontal Ground Control is based on NAD 1983. Vertical Ground Control is based on NGVD 1929.

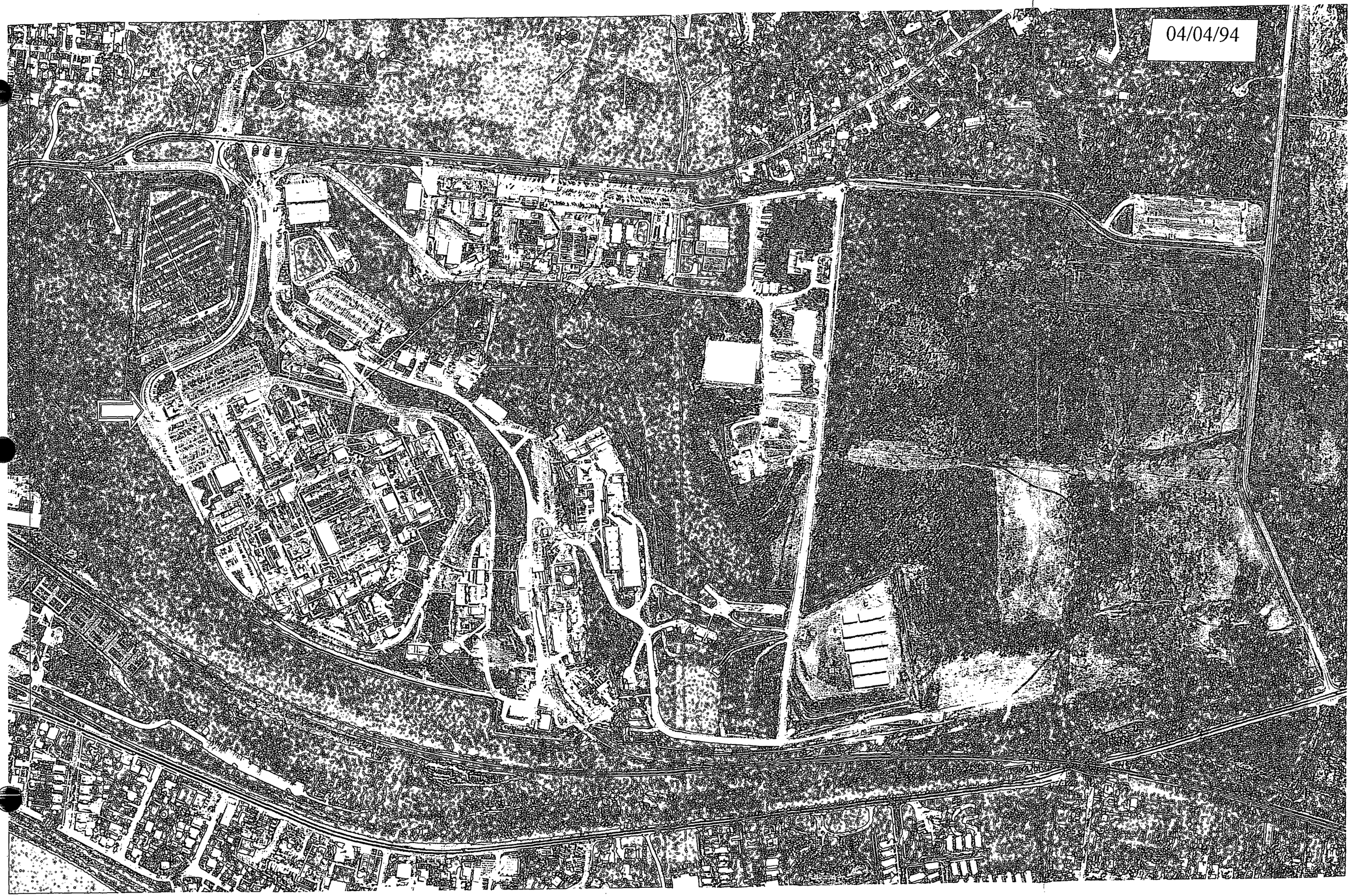
1988 magnetic north declination at center of plant. Magnetic north is 3 degrees west of true north. Declination between state plane (grid) north is 1.13 degrees west of true north.

MOUND
Environmental Restoration Geographic Information System

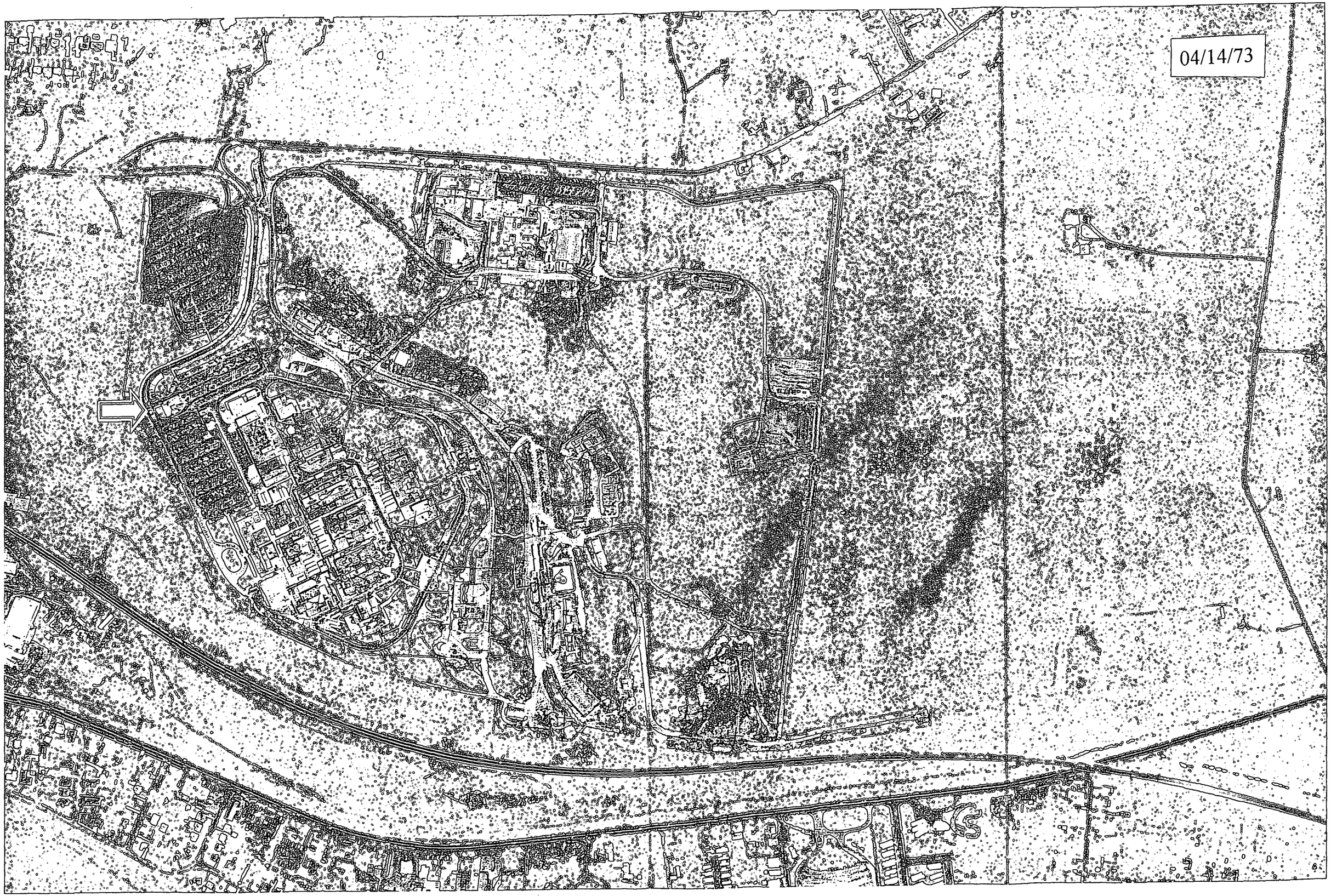
SHEET 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
SHEET 1 2 3 4 5 6
SHEET F

PRS STATUS MAP
04/07/97

UNCLASSIFIED
SIZE E
FSE-960150
SITE
DATE
SCALE Graph
SHEET 1 of 1
MO-REL-04/07/97
MSTATION 5.0


04/04/94

06/83


04/14/73

03/30/68

04/07/65

11/19/59

11/08/49

MIAMISBURG
25
10
B&O R.R.
MIAMI
GREAT
DAYTON-CINCINNATI PIKE
GIS
36
MOUND ROAD
MIAMISBURG-SPRINGBORO RD.
30

1938