2021 Hazardous Waste Scanning Project

File Form Naming Convention.

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Note 1: Each category is separated by a period "."
Note 2: Each word within category is separated by an underscore "_"

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Report.HW.932032.1991-01-28.Prelim_Site_Assessment_~~Vol 1~~ Task 1.pdf

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ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PRELIMINARY SITE ASSESSMENT

TASK 1 - RECORDS SEARCH

Guterl Special Steel Corp.
City of Lockport

Site No. 932032
Niagara County

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233
Thomas C. Jorling, *Commissioner*

Division of Hazardous Waste Remediation
Michael J. O'Toole, Jr., *Director*

By:
E.C. Jordan Co.
Portland, Maine

JANUARY 1991

NYSDEC CONTRACT NO. D002472

NYSDEC WORK ASSIGNMENT NO. D002472-6

E.C. JORDAN CO.

FINAL REPORT

TASK 1: DATA RECORDS SEARCH AND ASSESSMENT
PRELIMINARY SITE ASSESSMENT

GUTERL SPECIAL STEEL CORP.
SITE NO. 932032
CITY OF LOCKPORT, NIAGARA COUNTY

JANUARY 1991

Submitted by:

Elizabeth A. Ryan
Project Manager
E.C. Jordan Co.

Approved by:

William J. Weber
NSSC Program Manager
E.C. Jordan Co.

NOTICE

This Preliminary Site Assessment report about the Guterl Special Steel Corp. Site (Site No. 932032), located in Lockport, Niagara County, New York was prepared expressly for the New York State Department of Environmental Conservation (NYSDEC) under the Superfund Standby Contract (No. D002472, Work Assignment No. D002472-6). The purpose of this report is to provide information necessary for NYSDEC to reclassify the site according to the Classes 2, 3, and Delist categories described in Section 2.0 of this report. The conclusions and recommendations in this report represent E.C. Jordan's professional judgment and opinion based on present, generally accepted engineering practices for conducting preliminary site characterizations and assessments. Conclusions in this report are based on records reviews, interviews, and site walkover performed by Jordan personnel. The health-based regulatory standards discussed in this report may change in the future. Levels of environmental contamination that are "acceptable" by current standards may not be so in the future.

Information contained in this report may not be suitable for any other use without adaptation for the specific purpose intended. Any such reuse of or reliance on the information, assessments, or conclusions in this report without adaptation will be at the sole risk and liability of the party undertaking the reuse.

JHG/NYSDEC/70B

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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

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1.0 EXECUTIVE SUMMARY

The Guterl Special Steel Corporation Site consists of an 8.6-acre inactive landfill located at 695 Ohio Street, Lockport, Niagara County, New York (Figure 1). The landfill was originally owned and used by Simonds Saw and Steel from 1962 to 1978, and was subsequently owned and used by Guterl Special Steel from 1978 to 1980. The unlined landfill was allegedly used for the disposal of slag, baghouse flue dust containing chromium and nickel, foundry sand, waste oils and greases, and miscellaneous plant rubbish (Buri, 1990).

Guterl discontinued disposal in the landfill when baghouse flue dust containing chromium and nickel was listed as a Resource Conservation and Recovery Act (RCRA) hazardous waste in 1980 (Buri, 1990). In 1981, Guterl retained Secure Landfill Contractors (SLC) to prepare an application for a 6 NYCRR Part 360 permit to operate a solid waste management facility. As part of the permit process, SLC installed four shallow groundwater monitoring wells around the landfill perimeter and sampled the wells five times between 1980 and 1982. Results of the groundwater analysis indicated that state water quality standards for phenols and several metals are exceeded (E-S, 1988). The Part 360 permit application was submitted to the State; however, the permit was not acted upon and consequently was never issued.

In 1981 or 1982, Guterl "hand-mined" approximately 2 million pounds of metal slag from the landfill for recycling. The landfill was regraded after the salvaging operation, and reportedly has not been used since (Buri, 1990).

In 1984, Allegheny Ludlum Steel Corporation entered a lease agreement with the Niagara County Industrial Development Agency (NCIDA) for use of most of the former Guterl Steel property after Guterl declared bankruptcy. This property included the landfill but excluded several acres of the eastern part of the property along Ohio Street. Allegheny Ludlum has not used the landfill, and reportedly has no plans for future use of the landfill.

NUS Corporation performed a Preliminary Assessment of the Guterl Special Steel Site for the U.S. Environmental Protection Agency (USEPA) in 1983. However, due to restricted site access, the site inspection was considered incomplete by the NUS project team (NUS, 1983). Engineering Science (E-S) completed a Phase I investigation of the site for the New York State Department of Environmental Conservation (NYSDEC) in 1988. E-S concluded that inadequate data exist to confirm the presence of hazardous wastes in the landfill (E-S, 1988).

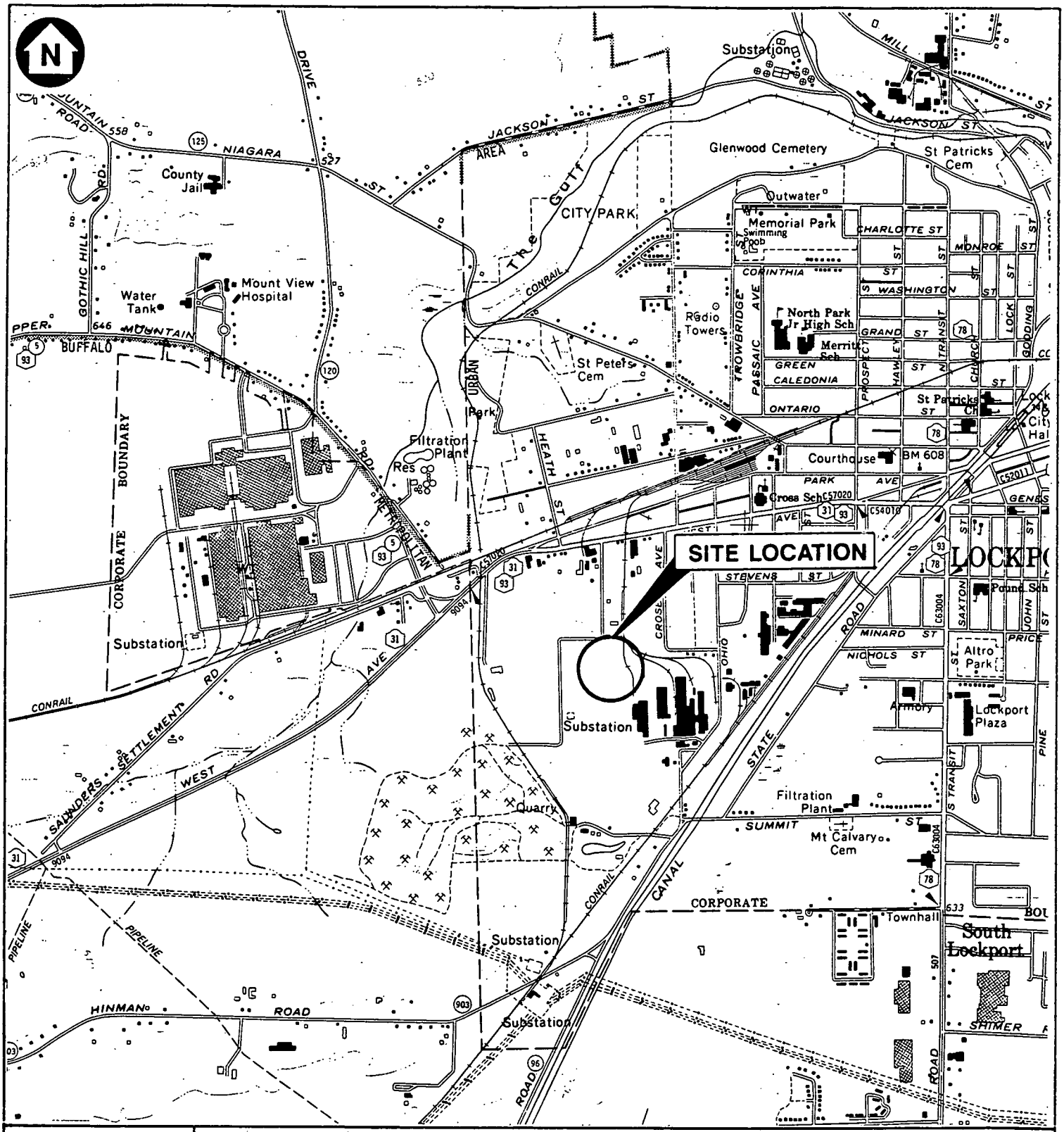
The landfill is not lined or covered. Although the landfill surface has been regraded, ponding occurs and the surface runoff is not controlled with any engineering controls, or other artificial

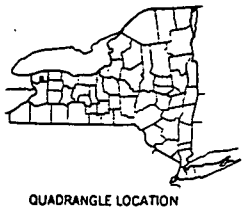
structures (Figure 2). The disposal of baghouse flue dust in the landfill, as well as foundry sand, slag, waste oils, and other plant materials is referred to in several documents (Erk, 1980; NUS, 1983; E-S, 1988; and NYSDEC Region 9 files). However, an undated memorandum from the Niagara County Health Department states "It is unclear whether or not hazardous materials are present in the landfill. If so, they would likely be in the form of dust bearing chromium and nickel" (Hopkins, 1983).

E.C. Jordan Company (Jordan) did not identify information, records, and/or data to determine whether hazardous wastes have been disposed of on-site. Based on available information, Jordan cannot recommend changing the classification of the Guterl Special Steel Site on the New York State Registry of Inactive Hazardous Waste Disposal Sites.

To develop data to confirm or deny hazardous waste disposal, Preliminary Site Assessment (PSA) Task 3 activities should be initiated. Jordan recommends that landfill material including leachate be sampled and analyzed for characteristics of Extraction Procedure (EP) Toxicity, reactivity, corrosivity, and ignitability and the USEPA Target Compound List (TCL) of organic and inorganic compounds. Jordan also recommends sampling surface water and sediment from abutting wetlands and analyzing these samples for the same parameters as the landfill material.

Based on the results of Task 3 activities, NYSDEC will decide whether PSA Task 4 activities should be initiated to determine if any wastes present a significant threat to public health or the environments. Should Task 4 activities be required, Jordan recommends sampling existing groundwater wells, if appropriate, or installing on-site monitoring wells to assess potential impacts to groundwater quantity. Groundwater samples should be analyzed for the TCL, or at a minimum, compounds detected in PSA Task 3 activities in landfill materials. Analytical results should be compared to state water quality standards defined in 6 NYCRR Chapter X, Part 700-705, to determine if a contravention of standards exist.





SOURCE: N.Y.S. DEPARTMENT OF TRANSPORTATION, LOCKPORT QUADRANGLE
DATED 1976, 7.5 MINUTE SERIES

SITE NO: 932032
LOCATION: CITY OF LOCKPORT
NIAGARA COUNTY

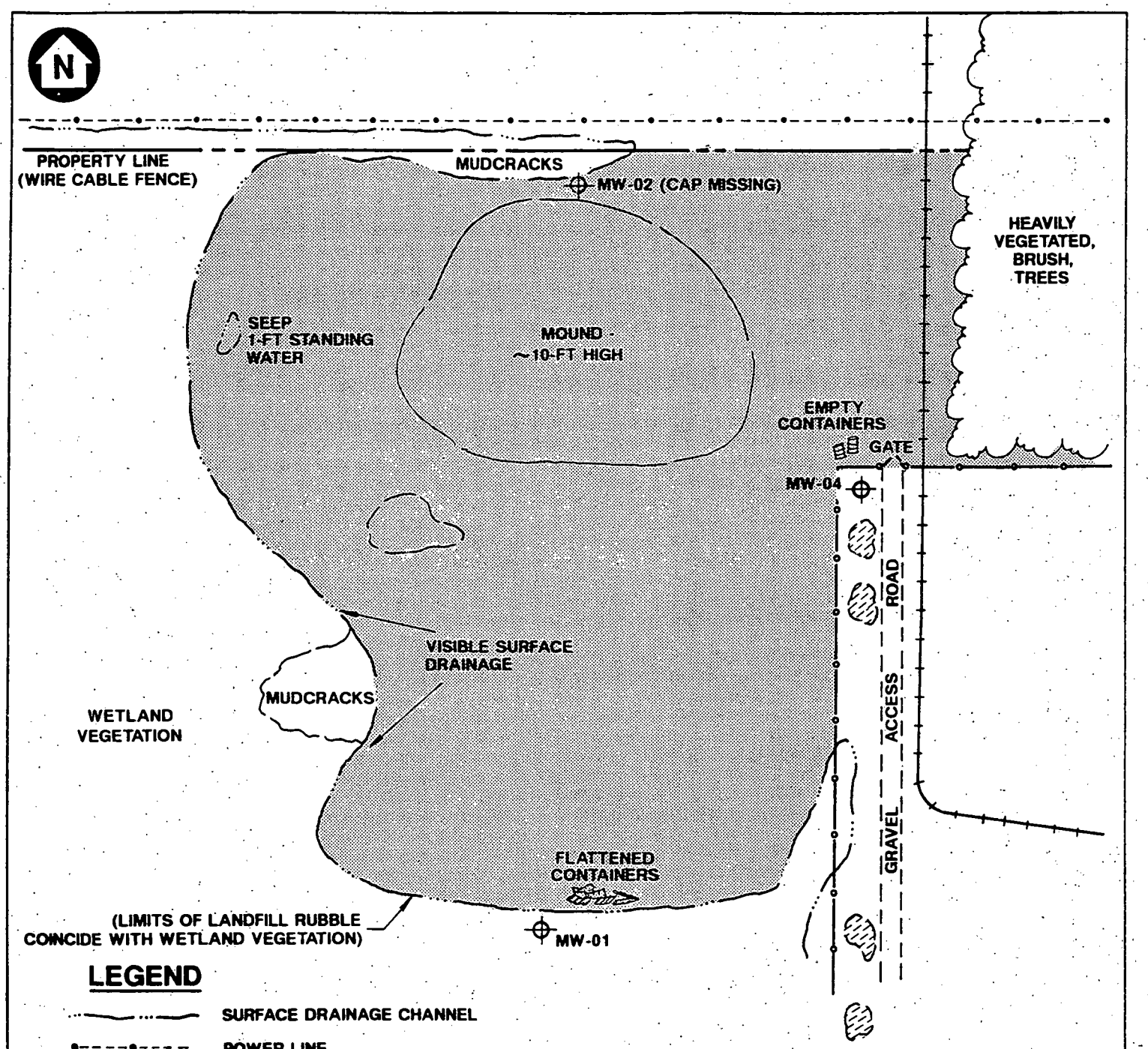
SCALE IN FEET

0 2000 4000

FIGURE 1
SITE LOCATION MAP
GUTERL SPECIAL STEEL CORP.
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

EC JORDAN CO

6291-



LEGEND

- SURFACE DRAINAGE CHANNEL
- POWER LINE
- RAILROAD
- CHAIN-LINK FENCE
- STOCKPILES
- AREA WHERE LANDFILL DEBRIS WAS VISIBLE AT SURFACE
- MONITORING WELLS INSTALLED BY EARTH DIMENSIONS, 1980 (MW-03, FORMERLY LOCATED ALONG WEST SIDE OF LANDFILL, COULD NOT BE LOCATED BY E.C. JORDAN, 7/18/90)

NOTES:

SITE NO.: 932032
LOCATION: CITY OF LOCKPORT,
NIAGARA COUNTY, NEW YORK

SITE FEATURES BASED ON 7/18/90 SITE VISIT BY E.C. JORDAN AND NYSDEC (LOCATION APPROXIMATE)

APPROXIMATE SCALE
0 100 200 FEET

FIGURE 2
SITE SKETCH MAP
FORMER GUTERL SPECIAL STEEL LANDFILL
PRELIMINARY SITE ASSESSMENT
NEW YORK STATE DEC

E.C. JORDAN CO.

6291-30

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

Copy—REGION
Copy—DEE
Copy—DOH
Copy—PREPARER

ADDITIONS/CHANGES TO REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

1. SITE NAME	2. SITE NO.	3. TOWN	4. COUNTY
Guterl Special Steel	932032	Lockport	Niagara

5. REGION	6. CLASSIFICATION	7. ACTIVITY
9	Current XX /Proposed ____	☐ Add ☐ Reclassify ☐ Delist ☒ Modify Environmental Sampling

8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location).

Site is located at 695 Ohio Street, Lockport, Niagara County, New York. Surrounding area is primarily industrialized. County landfill and quarry nearby.

b. Quadrangle Lockport c. Site Latitude 43° 09'39" Longitude 78° 47'51"W d. Tax Map Number ____

9a BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)

Inactive landfill located at northwestern end of a steel alloy facility. Landfill occupies approximately 8.6-acres, graded to a slope of 2 to 4 percent. A mound (5-10 feet high and approximately 1-acre in size) occupies north-central part of landfill.

b. Area 8.6 acres c. EPA ID Number D094174554 d. PA/SI ☒ Yes ☐ No

e. Completed: ☒ Phase I ☐ Phase II ☐ PSA ☐ Sampling

10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS DISPOSED OF AT THIS SITE

Unknown quantity of baghouse dust and chromium and nickel slag, and possible waste oils and greases disposed at landfill prior to 1981. Two million pounds of nickel and chromium slag "hand mined" from landfill in 1982.

11a. SUMMARIZED SAMPLING DATA ATTACHED

☐ Air ☐ Groundwater ☐ Surface Water ☐ Soil ☐ Waste ☐ EP Tox ☐ TCLP.

b. List contravened parameters and values

No sampling performed during Preliminary Site Assessment Task 1.

12. SITE IMPACT DATA

a. Nearest surface water: Distance 2,000 ft. Direction East Classification Erie Canal

b. Nearest groundwater: Depth 1-5 ft. Flow Direction Unknown ☐ Sole Source ☐ Primary ☐ Principal

c. Nearest water supply: Distance 3 mi ft. Direction Southwest Active ☒ Yes ☐ No

d. Nearest building: Distance 500 ft. Direction North and Southeast Use Manufacturing (light Industrial)

e. Crops or livestock on site? ☐ Yes ☒ No

f. Exposed hazardous waste? ☐ Yes ☐ No Unknown

g. Controlled site access? ☐ Yes ☒ No

h. Documented fish or wildlife mortality? ☐ Yes ☒ No

i. Impact on special status fish or wildlife resource? ☐ Yes ☒ No

j. Within a State Economic Development Zone? ☐ Yes ☒ No

k. For Class 2a; Code ____ Health Model Score no

l. For Class 2; Priority Category ____

m. HRS Score ____

n. Significant Threat ☐ Yes ____ ☐ No ☒ Unknown

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Allegheny Ludlum Steel	695 Ohio St. Lockport, NY 14095	(716) 433-4411

16. PREPARER

Catherine C. Lanois, Environmental Scientist, E.C. Jordan Co.
Name, Title and Organization

1/10/91
Date

Beth Ryan for CCL
Signature

17. APPROVED

Name, Title and Organization

Date

Signature

2.0 PURPOSE

The purpose of a PSA is to provide information necessary for NYSDEC to adequately categorize the site according to the following classifications:

Class 2 - Hazardous waste sites presenting a significant threat to the public health or the environment.

Class 3 - Hazardous waste sites not presenting a significant threat to the public health or the environment.

Delist - Sites where hazardous waste disposal is not documented.

PSA Task 1, Data Records Search and Assessment, was conducted at the former Guterl Special Steel Landfill, Site No. 932032, in Lockport, New York, by Jordan under the NYSDEC Superfund Standby Contract (Contract No. D002472, Work Assignment No. D002472-6).

The Guterl Special Steel Site is a suspected inactive hazardous waste site recognized by NYSDEC. This site is currently classified as Class 2a because there is insufficient information to document hazardous waste disposal and/or assess the significance of potential risks to public health or the environment.

3.0 SCOPE OF WORK

PSA Task 1 consists of two data-gathering tasks: a file review/records search and a site walkover. Specific activities performed for the Guterl Special Steel Site under these tasks are described in the following subsections.

3.1 File Reviews

The Jordan project team began collecting information on the Guterl Special Steel Site at the NYSDEC Central Office in Albany, New York, the week of June 25, 1990. In addition, Jordan personnel reviewed files at the New York State Department of Health, the U.S. Geological Survey, the U.S. Fish and Wildlife Service, the New York State Department of Transportation (NYSDOT), and the New York State Geologic Survey. The USEPA Region II Office was also contacted; however, files for this site were not reviewed.

During the weeks of July 17 and July 24, 1990, the Jordan team collected available background data from regional sources, including information pertaining to property ownership, land use, wetlands, critical habitats, and other pertinent information. The following regional agencies and county offices were visited by Jordan personnel:

- New York State Department of Environmental Conservation
  Division of Hazardous Waste Remediation
  Region 9
  584 Delaware Avenue
  Buffalo, NY 14202

- New York State Department of Environmental Conservation
  Division of Regulatory Affairs
  Region 9
  600 Delaware Avenue
  Buffalo, NY 14202

- New York State Department of Environmental Conservation
  Division of Fish and Wildlife
  Region 9
  600 Delaware Avenue
  Buffalo, NY 14202

- New York State Department of Health
  Bureau of Environmental Exposure Investigation
  Western Regional Office
  584 Delaware Avenue
  Buffalo, NY 14202

- Niagara County Health Department
  Environmental Health Services
  10th and East Falls Street
  Niagara Falls, NY 14302

- Niagara County Registry of Deeds
  Niagara County Clerk
  175 Hawley Street
  Lockport, NY 14094

- U.S. Department of Agriculture
  Soil and Water Conservation District
  Niagara County
  4487 Lake Avenue
  Lockport, NY 14094

In addition, the following local and county agencies and individuals were contacted to obtain additional information pertaining to water, land, and site use:

- Niagara County Health Department
  Mr. Paul Dicky
  10th and East Falls Street
  Niagara Falls, NY 14301
  (716) 284-3124

- Niagara County Industrial Development Agency
  Mr. John Drake
  59 Park Avenue
  Lockport, NY 14094
  (716) 433-4492

- Lockport Community Development
  Mr. William Everett
  Municipal Building
  1 Locks Plaza
  Lockport, NY 14094
  (716) 439-6687

- Lockport Fire Prevention and Training Bureau
  Mr. Gary Millihan - Assistant Fire Chief
  Municipal Building
  One Locks Plaza
  Lockport, NY 14094

- Allegheny Ludlum Steel Corporation
  Ms. Deborah Calderazzo - Engineer
  River Road
  Brackenridge, PA 15014
  (412) 226-5030

Jordan personnel also interviewed Mr. Reginald Buri, former employee of Guterl Special Steel and current Supervisor of Plant Maintenance for Allegheny Ludlum Steel Corporation, at the time of the site visit:

- Allegheny Ludlum Steel Corporation
  Mr. Reginald C. Buri - Supervisor - Plant Maintenance
  Special Materials Division
  695 Ohio Street
  Lockport, NY 14094
  (716) 433-4411

3.2 Site Walkover

On July 18, 1990, a site walkover was conducted at the former Guterl Special Steel plant. The following individuals attended the visit:

Name	Title	Affiliation
Catherine Lanois	Project Geologist	E.C. Jordan Co.
Roger Bondeson	Environmental Scientist	E.C. Jordan Co.
John W. Hyden, P.E.	Environmental Engineer II	NYSDEC-Region 9
Reginald C. Buri	Plant Maintenance Super.	Allegheny Ludlum

The site visit began at 9:30 a.m. The site health and safety plan was reviewed and a photoionization detector (PID) and explosimeter/oxygen meter were calibrated before beginning the site tour. As a health and safety precaution, the field team monitored for anomalous readings of the measured parameters using these instruments during the visit. No readings above background were detected in ambient air in the breathing zone.

The site tour was guided by Mr. Buri, who pointed out the fence separating the Allegheny Ludlum property from the parcel of land along Ohio Street that was not acquired by Allegheny Ludlum in 1984. Jordan personnel and Mr. Hyden of NYSDEC agreed that the excised parcel is not considered part of this PSA, and therefore was not included in the site tour or records search (with the exception of ownership information).

The tour began in the active section of the Allegheny Ludlum Steel - Special Materials Division facility, where high-temperature, corrosion-resistant metal alloys are manufactured. According to Mr. Buri, Allegheny Ludlum has never used the on-site landfill to dispose of wastes or any other materials. Flue dust generated at the facility is transported by Genismore haulers to INMETCO for disposal, and slag wastes are transported by Heckett haulers to Allegheny Ludlum's Brackenridge, Pennsylvania, facility for reuse. Solvents and oils used at the facility are generally recycled, and any waste solvents and oils are transported off-site for disposal by Safety Kleen.

The site tour continued at the inactive landfill, the focus of the PSA, located at the northwestern corner of the property. Access to the landfill was gained through a locked gate at the end of a gravel road leading from the plant.

A sketch of the landfill is provided in Figure 2. Access to the landfill from the east is restricted by a chain-link fence. However, access is readily obtainable at the northern end through a discontinuous cable fence. No fence was observed along the western and southern sides of the landfill, however access to the landfill from these directions is somewhat limited by the presence of wetlands. An abandoned railroad spur parallels the eastern side of the landfill, and curves southward into the Allegheny Ludlum plant where it terminates.

The landfill surface is loose and blocky, and is covered with concrete rubble, some scrap metal, cinders, and other debris. The ground surface is uncovered to sparsely vegetated, with a slight grade (estimated at 5 percent) toward the west. A large mound approximately 10 feet high occupies the north-central portion of the landfill.

Surface runoff appears to flow to the west and south toward the wetlands. Extensive erosion was not observed. Standing water with no noticeable surface sheen or odor was observed in the northwest corner of the landfill; mud cracks, potentially indicative of leachate seeps during wetter conditions, were observed on the landfill surface in several locations.

Two empty, upright 55-gallon containers were observed near the entrance gate, and four additional empty containers were observed adjacent to the wetlands at the southern portion of the site. Jordan personnel did not observe any evidence of full or leaking containers on the landfill surface.

Monitoring Wells 01, 02, and 04, installed by SLC, were located by Jordan representatives. Jordan was unable to locate Monitoring Well 03. This well was installed along the western edge of the landfill, and reportedly destroyed by unknown persons before completion of the Phase I report. Monitoring Wells 01 and 04, located in the southern and eastern portion of the site, respectively, appeared intact. The cap from Monitoring Well 02, located along the northern boundary of the site, was missing. No volatile organic compounds were detected with the PID from the open standpipe of this well.

Jordan personnel completed the site walkover approximately at noon.

4.0 SITE ASSESSMENT

The following subsections describe information gathered during the records search and site walkover at the Guterl Special Steel Site.

4.1 Site History

In 1978, Guterl Special Steel purchased 109 acres of land, including several steel manufacturing buildings and the landfill, from Simonds Saw and Steel. Guterl declared bankruptcy in 1984, at which time they conveyed to the NCIDA all but several acres of land fronting Ohio Street on the eastern edge of their plant. The property conveyed to NCIDA included the landfill. In November 1984, Allegheny Ludlum entered into a lease agreement with NCIDA for use of the property, including the landfill. The parcel of land, fronting Ohio Street, is currently held by the Guterl Steel Bankruptcy Trustee at the Western Bankruptcy Court in Pittsburgh, Pennsylvania (Buri, 1990; Drake, 1990; and Everett, 1990).

From 1948 to 1956, Simonds Saw and Steel handled large quantities of uranium metal and smaller quantities of thorium metal as part of their rolling mill operations (USDOE, 1979). These operations occurred in buildings located in the excised parcel of land. Allegedly, Simonds Saw and Steel began disposing of wastes in the landfill in 1962, after the time that uranium and thorium were used in their operations (Buri, 1990). There is no evidence that uranium and thorium were disposed of in the landfill. Aerial photographs dated 1958 do not show the current landfill, although an elongated area parallel to the rail spur appears to have been disturbed (USDA, 1958).

Between 1962 and 1978, Simonds Saw and Steel allegedly disposed of in the landfill unknown quantities of slag, baghouse flue dust, foundry sand, wood, and miscellaneous plant rubbish associated with steel manufacturing. Aerial photographs indicate the landfill was approximately half its present size in 1966 and had almost reached its present site by 1977 (USDA, 1966 and 1977).

From 1978 to 1980, Guterl Special Steel reportedly continued to dispose similar wastes, including pelletized baghouse flue dust, in the landfill. In August 1980, the facility was required by NYSDEC to stop disposing baghouse dust in the landfill since this waste is defined hazardous waste under RCRA and 6 NYCRR Part 371 (Erk, Y., NYSDEC, 1980). Guterl allegedly complied with the NYSDEC requirement (Buri, 1990). Mr. Erk's 1980 correspondence also stated that "three big holding tanks filled with waste oil were overflowing" during a previous NYSDEC tour of the landfill (Erk, 1980). Action taken, if any, in response to the overflowing waste oil tanks is unknown.

In 1981, Guterl retained SLC to prepare an application for a Part 360 permit to operate a solid waste management facility. As part of the permit process, SLC installed and sampled four shallow groundwater monitoring wells around the landfill perimeter (SLC, 1981). Results of SLC's periodic groundwater sampling and analyses between 1980 and 1982 indicated that the groundwater quality often exceeded state ambient water quality standards for pH, phenols, and several metals including chromium, copper, iron, lead, and manganese (E-S, 1988). The Part 360 permit application was submitted to the state; however, the permit was never acted upon and consequently was never issued (Buri, 1990).

In 1981 or 1982, Guterl "hand-mined" approximately 2 million pounds of metal slag from the landfill for recycling. The landfill was regraded after the salvaging operation, and reportedly has not been used since then (Buri, 1990). Allegheny Ludlum has not used the landfill since they acquired the property in 1984, and reportedly have no plans for future use (Buri, 1990; Calderazzo, 1990). No fire or explosive hazards or records of historical chemical releases are documented for the site (Millihan, 1990).

4.2 Site Topography

The Guterl Specialty Steel Site is located on the edge of the City of Lockport in an area zoned for heavy industry (Jordan Site Visit, 1990). The landfill is bordered by the New York State Electric and Gas Corporation to the north and west, the City of Lockport water line easement to the south, and the active Allegheny Ludlum facility to the east. There are few residences in the area. Topography surrounding the site is characterized by rolling hills. Topography has recently been altered in the area by mining at the Frontier Stone Company quarry less than a mile south of the site (NYSDOT, 1976). The Niagara County Refuse Disposal District (NCRDD) landfill, located less than a mile west of the site, occupies a former quarry with a base approximately 30 feet below the bedrock surface (NYSDOT, 1976; and Hopkins, 1989).

Wetlands are common in the surrounding low-lying areas, and numerous Class II and a few Class III state regulated wetlands are located within three miles of the site (NYSDEC, 1980 and 1990). The wetlands adjacent to the site, however, are not regulated by the state (Doleski, 1980; and NYSDEC, 1990). There are no significant habitats mapped within two miles of the site; Pilea fontana (clearweed), an unprotected flora, is located two miles north of the site in Eighteen Mile Creek (NYSDEC, 1990).

Elevation of the landfill is approximately 600 feet above mean sea level; the mound at the north-central part of the landfill rises to approximately 610 feet above mean sea level (NYSDOT, 1976; and SLC, 1981). The landfill surface is graded with a slight slope toward the west and south. Consequently, surface runoff appears to be toward the wetlands in these areas (see Figure 2). Standing water

was observed in the northwest corner and mud cracks were observed in several locations of the landfill.

4.3 Site Hydrology

The following paragraphs describe what is known about the hydrologic setting at the Guterl Special Steel Site.

Regional bedrock geology is characterized by Lockport dolomite, limestone, and shale. Bedrock has a regional dip of approximately 30 to 40 feet per mile toward the south (SLC, 1981). Regional surficial geology is characterized by glacial landforms and deposits. Thin layers of poorly sorted glacial tills deposited beneath glacial ice commonly overlie bedrock in the region. In addition, the Lockport area was occupied by glacial lakes during the recession of the ice sheets, and glaciolacustrine sediments including fine-grained silts and clays overlain by well-sorted sand and gravels are common (E-S, 1988).

The site is underlain by the Lockport dolomite, with an estimated permeability of 1×10^{-4} to 1×10^{-6} centimeters per second (cm/sec) (E-S, 1988). Depth to bedrock beneath the landfill ranges from 3.5 to 5.5 feet, based on previous boring refusal depths around the landfill perimeter (SLC, 1981). Bedrock at the site is overlain by glacial till ranging in thickness from zero to 3.5 feet, with an estimated permeability of 1×10^{-6} to 1×10^{-7} cm/sec (E-S, 1988). Groundwater flow beneath the site is toward the southwest. On occasion, the quarry at the Frontier Stone Company south of the site is dewatered, suppressing the water table by as much as 30 feet. Dewatering at the quarry is likely to influence the depth and direction of groundwater flow beneath the landfill (E-S, 1988). The NCRDD landfill west of the site occupies a former quarry with a base greater than 30 feet below the bedrock surface. The base of this landfill is estimated to be at least 40 feet below the base of the former Guterl landfill (Hopkins, 1989).

Wetlands along the east side of the landfill are drained by tributaries to Eighteen Mile Creek. The closest mapped tributaries are located approximately 4,000 feet west of the landfill, and the Erie Canal is located approximately 2,000 feet southeast of the landfill (NYSDOT, 1976).

Drinking and irrigation water supplies for the Town of Lockport are obtained from the Niagara River, and are supplied through the Niagara County Water District. The City of Lockport is also supplied with drinking and irrigation water obtained from the Niagara River; however, this is channeled through the City of Lockport's water treatment plant (Dicky, 1990).

Emergency drinking water is supplied for the City of Lockport from the Erie Canal via the Summit Street intakes. The most recent use of this emergency water supply was between June 2 and 12, 1990. Although municipal water supplies are available to all residents of the Town and City of Lockport, some unidentified private wells may exist (Dicky, 1990).

4.4 Contamination Assessment

An unknown quantity of slag, baghouse dust containing nickel and chromium, foundry sand, waste oils and greases, and miscellaneous plant rubbish were allegedly disposed of in the landfill between 1962 and 1980. However, available data are insufficient to characterize the contents of the landfill and potential landfill leachate. Two million pounds of nickel and chromium slag were "hand-mined" from the landfill.

Two 55-gallon containers were observed near the entrance gate and four 55-gallon containers at the border of the wetlands at the southern portion of the landfill. The containers appeared empty; the former contents, if any, of these containers are unknown. No fire or explosive hazards, or historical chemical releases are documented for the site (Millihan, 1990).

The landfill is unlined and uncovered. The surface has been graded; however, ponding of water was observed in some areas of the landfill. The surface runoff is not controlled by drainage ditches or other engineering practices. Surface water and sediment samples from adjacent wetlands have not been collected to adequately evaluate potential environmental impacts of landfill contaminants on the wetlands.

Periodic sampling and analyses of shallow monitoring wells around the landfill between 1980 and 1982 indicated that concentrations of pH, phenols, chromium, copper, iron, lead, and manganese exceeded state ambient water quality standards, as shown in Table 1 (E-S, 1988). These data are presented in Appendix D. As suggested by E-S in the Phase I Investigation report, it is likely that none of the SLC wells provide adequate background water quality data because of their close proximity to the landfill boundaries (E-S, 1988). E-S also suggests that the NCRDD landfill may impact groundwater quality beneath this landfill; however, this is considered unlikely if the base of the NCRDD landfill is more than 40 feet below the base of the Guterl landfill. A comparison between the groundwater data from the two landfills indicates that maximum concentrations of phenols and heavy metals (with the exception of copper, which was not analyzed at the NCRDD landfill) were lower in groundwater from the NCRDD landfill than at the Guterl landfill (NCRDD, 1990). However, the most recent groundwater data available for the Guterl landfill were collected in 1982.

TABLE 1
SUMMARY OF GROUNDWATER DATA

PRELIMINARY SITE ASSESSMENT GUTERL SPECIAL STEEL
LOCKPORT, NEW YORK

COMPOUND	MAXIMUM CONCENTRATION DETECTED	WELL	DATE SAMPLED	NEW YORK AMBIENT WATER QUALITY CRITERIA
	(ug/L)			(ug/L)
Chromium	450	04	6/81	50
Copper	2100	04	6/81	200
Iron	28800	02	6/81	300
Lead	590	04	6/81	50
Mangesium	21000	04	6/81	300
Phenols	1250	03	9/81	1

Source: SLC Consultants

GTRLTBL1/CBM/7

5.0 ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

5.1 Hazardous Waste Deposition

Baghouse dust containing nickel and chromium, slag, waste oils and greases, and other plant rubbish were allegedly disposed of in the landfill from 1962 to 1980. Baghouse flue dust containing nickel and chromium is listed as a hazardous waste under RCRA, and 6 NYCRR Part 371 (NYSDEC, 1988). The alleged disposal of these materials is referenced in several documents and was discussed with site representatives (Erk, 1980; NUS, 1983; E-S, 1988; and Buri, 1990) however, according to a memorandum from the Niagara County Health Department, the presence of hazardous materials in the landfill has not been confirmed (Hopkins, n.d.). Information collected by Jordan personnel did not confirm hazardous waste deposition in the former Guterl landfill.

5.2 Significant Threat Determination

Phenols and heavy metals detected in groundwater beneath the Guterl Landfill exceed New York State ambient water quality standards (E-S, 1988). While degradation of groundwater beneath the landfill may pose an environmental threat, it is not likely to affect public health because the primary supply of drinking water to the Town and City of Lockport is obtained from the Niagara River located three miles from the site. Emergency water was supplied to Lockport from the Erie Canal in June 1990. Contamination of the canal is not likely since there is a berm preventing surface water runoff from entering the canal and groundwater is not likely to discharge to the canal due to the direction of natural groundwater flow gradients.

The wetlands adjacent to the landfill appear to receive runoff from the landfill surface, and are likely to receive any leachate discharge from the landfill. Analytical data are inadequate to evaluate the potential impact of contaminants from the landfill on the wetlands. These wetlands are not regulated by the state. There are no significant habitats within two miles of the site; Pilea fontana (clearweed), and unprotected flora with no federal rank, is located two miles north of the site in Eighteen Mile Creek and is unlikely to be affected by potential contaminants from the landfill (NYSDEC, 1990).

The landfill is easily accessible through the discontinuous and loose cable fence at the northern end of the landfill, and less so through the wetlands on the west and south sides. The possibility of unsettled material and buried drums and other unknown materials pose a potential physical threat to the public since the site remains accessible.

5.3 Recommendations

Information collected by Jordan personnel did not confirm or deny the presence of hazardous wastes at the Guterl Special Steel Site. However, the disposal of baghouse flue dust, defined as hazardous waste by RCRA and 6 NYCRR Part 371, is referenced in several documents and has been acknowledged by site representatives (Erk, 1980; NUS, 1983; E-S, 1988; and Buri, 1990).

To obtain data to confirm or deny hazardous waste disposal, PSA Task 3 activities should be initiated. Jordan recommends sampling the landfill material and leachate and analyzing these samples for EP Toxicity, reactivity, corrosivity, and ignitability and the USEPA TCL organic and inorganic compounds.

Jordan also recommends sampling surface water and sediment from adjacent wetlands and analyzing these samples for the same parameters. This sampling program will help document the disposal of hazardous waste on-site and impact to adjacent areas. In addition, the surface water sampling will be compared to ambient water quality criteria to assist in determining whether a potential threat to the environment exists.

Based on the results of PSA Task 3 activities, NYSDEC will decide whether PSA Task 4 activities should be initiated to determine if any wastes present a significant threat to public health or the environment. Should PSA Task 4 activities be required, Jordan also recommends obtaining groundwater samples from existing wells, if appropriate, or installing and sampling monitoring wells to assess potential impacts to groundwater quality. A comparison of analytical results to state groundwater standards will be made to determine whether standards are contravened.

GLOSSARY OF ACRONYMS AND ABBREVIATIONS

cm/sec	centimeters per second
EP	Extraction Procedure
E-S	Engineering-Science
NCIDA	Niagara County Industrial Development Agency
NCRDD	Niagara County Refuse Disposal District
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOT	New York State Department of Transportation
PID	photoionization detector
PSA	Preliminary Site Assessment
RCRA	Resource Conservation and Recovery Act
SLC	Secure Landfill Contractors
TCL	Target Compound List
USEPA	U.S. Environmental Protection Agency

APPENDIX A

REFERENCES

REFERENCES

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Erk, Yavuz, New York State Department of Environmental Conservation, Region 9, Buffalo, New York, 1990. Written correspondence to Mr. Donald R. Hulshoff, Plant Engineer Guterl Steel (formerly Simonds Saw and Steel), Lockport, New York; August 7, 1980.

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Hopkins, Michael, Niagara County Health Department, Niagara Falls, New York, 1989. Written correspondence to Mr. Abul Barkat, New York State Department of Environmental Conservation, Region 9, Buffalo, New York; February 15, 1989.

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APPENDIX B

SITE INSPECTION REPORT
(USEPA FORM 2070-13)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION

01 STATE	01 SITE NUMBER
New York	D094174554

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Guterl Special Steel Corp.	695 Ohio Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST
Lockport	New York	14094	Niagara	093	032

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
43° 09' 39.3 N	78° 47' 51.4" W	X A. PRIVATE _ B. FEDERAL _____ _ C. STATE _ D. COUNTY _ E. MUNICIPAL _ F. OTHER _____ _ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION (MONTH DAY YEAR)	02 SITE STATUS	03 YEARS OF OPERATION
7 / 18 / 90	_ ACTIVE X INACTIVE	1962 (BEGINNING YEAR) 1981 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
_ A. EPA _ B. EPA CONTRACTOR _____ (Name of firm) _ C. MUNICIPAL _ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
_ E. STATE X F. STATE CONTRACTOR E.C. Jordan Co. (Name of firm) _ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Catherine C. Lanois	Geologist	E.C. Jordan Co.	(617) 245-6606
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Roger Bondeson	Scientist	E.C. Jordan Co.	(207) 775-5401
John Hyden	Engineer	NYSDEC - Region 9	(716) 847-4585
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
Reginald Buri	Supervisor Maintenance	Allegheny Ludlum 695 Ohio St., Lockport, New York	(716) 433-4411
Deborah Calderazzo	Engineer	Allegheny Ludlum River Road, Brackenridge, PA	(412) 226-5030
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
X PERMISSION ☐ WARRANT	9:00 am	Sunny, Breezy, hot

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Sri Maddineni	New York State Department of Environmental Conservation	(518) 457-0638

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	03 DATE (MONTH DAY YEAR)
Catherine C. Lanois		E.C. Jordan Co.	(617) 245-6606	7/27/90

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [ ] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER _____ (Specify)
- [ ] E. SLURRY
- [X] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS > 1,000
CUBIC YARDS
NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- [X] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [X] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	3200	gal/year	spent machinery lubrication oils and greases
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS	460,000	gal/year	pickling acid discharged to sewer (not landfill)
BAS	BASES			
MES	HEAVY METALS	> 1,000	tons	baghouse dust and slag with chromium and nickel

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04/STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	chromium	7440-47-3	landfill		
MES	nickel	7440-02-0	landfill		
SOL	phenol	108-95-2	landfill		
MES	aluminum		landfill		
MES	copper		landfill		
MES	lead		landfill		

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	none		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: New York	01 SITE NUMBER: D094174554

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION — 02 _ OBSERVED (DATE: _____) _ POTENTIAL X ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

Groundwater in on-site wells contain elevated phenols and heavy metals; however adequate background data do not exist, and groundwater not used as drinking water supply.

01 X B. SURFACE WATER CONTAMINATION — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

Wetlands abut landfill to west and south. Nearby surface water bodies include tributary to eighteen mile creek which is 4,000 feet northwest of the site, and the Erie Canal which is 3,000 feet southeast of the site.

01 _ C. CONTAMINATION OF AIR — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None indicated.

01 _ D. FIRE/EXPLOSIVE CONDITIONS — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None indicated.

01 X E. DIRECT CONTACT — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown — 04 NARRATIVE DESCRIPTION

Site is accessible to public through unfenced areas. Potential exists for direct contact with potentially hazardous surface materials.

01 X F. CONTAMINATION OF SOIL — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

Potential exists for on-site soils to be affected by heavy metals and phenols that may have leached into the ground.

01 _ G. DRINKING WATER CONTAMINATION — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None indicated. Aquifer not used for drinking purposes.

01 _ H. WORKER EXPOSURE/INJURY — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None indicated.

01 _ I. POPULATION EXPOSURE/INJURY — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None indicated.

EPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 X J. DAMAGE TO FLORA — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Landfill surface is sparsely vegetated; potential exists for slag and other materials to affect flora in adjacent wetlands.

01 _ K. DAMAGE TO FAUNA — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

None identified.

01 _ L. CONTAMINATION OF FOOD CHAIN — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

None identified.

01 X M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

Site well graded, however landfill not lined.

01 _ N. DAMAGE TO OFFSITE PROPERTY — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None identified.

01 X O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

None identified. However, spent pickling solution was allegedly discharged to Lockport Wastewater Treatment Plant in the past.

01 _ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None identified.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None indicated.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 0

IV. COMMENTS

Population within 3-mile radius of site served by municipal water provided from Niagara River.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
_ A. NPDES				
_ B. UIC				
_ C. AIR				
_ D. RCRA				
_ E. RCRA INTERIM STATUS				
_ F. SPCC PLAN				
_ G. STATE (specify)				
_ H. LOCAL (specify)				
X I. OTHER (specify)				permit for operation of solid waste facility applied for in 1981; had not been issued.
_ J. NONE	No other permits	applicable to	landfill, however	steel plant has current air and SPDES permits.

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
_ A. SURFACE IMPOUNDMENT		
_ B. PILES		
_ C. DRUMS, ABOVE GROUND		
_ D. TANK, ABOVE GROUND		
_ E. TANK, BELOW GROUND		
X F. LANDFILL	> 1,000	tons
_ G. LANDFARM		
_ H. OPEN DUMP		
_ I. OTHER (specify)		

04 TREATMENT (check all that apply)
- _ A. INCINERATION
- _ B. UNDERGROUND INJECTION
- _ C. CHEMICAL/PHYSICAL
- _ D. BIOLOGICAL
- _ E. WASTE OIL PROCESSING
- _ F. SOLVENT RECOVERY
- _ G. OTHER RECYCLING/RECOVERY
- _ H. OTHER (specify)

05 OTHER
- _ A. BUILDINGS ONSITE

06 AREA OF SITE
8.6 (acres)

07 COMMENTS

Refractory bricks, molds, scrap metal, baghouse dust, slag, scrap wood, packaging materials disposed of in on-site landfill from 1962 until 1981. Quantity of material disposed unknown. Waste oils may also have been disposed of in landfill.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (check one)

_ A. ADEQUATE, SECURE _ B. MODERATE X C. INADEQUATE, POOR _ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Landfill with no liner, uncovered and sparsely vegetated. Surface graded to allow ponding on surface.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: _ YES X NO

02 COMMENTS

Landfill only partially surrounded by fence, however wetlands abut landfill to west and south so landfill not easily accessible on those sides.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	01 SITE NUMBER
New York	D094174554

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (check as applicable)	SURFACE	WELL
COMMUNITY	A. X	A. _
NON-COMMUNITY	B. _	B. _

02 STATUS		
ENDANGERED	AFFECTED	MONITORED
A. _	B. _	C. _
D. _	E. _	F. _

03 DISTANCE TO SITE
A. > 3 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (check one)

_ A. ONLY SOURCE FOR DRINKING
_ B. DRINKING (other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)
_ C. COMMERCIAL INDUSTRIAL IRRIGATION (Limited other sources available)
X D. NOT USED, UNUSABLE

02 POPULATION SERVED BY GROUNDWATER: 0

03 DISTANCE TO NEAREST DRINKING WATER WELL: > 3 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
1.5 - 4.5 (ft)	southwest	N/A (ft)	_____ (gpd)	_ YES X NO

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)

There are no known wells within three miles of the site that are used as a source of drinking water.

10 RECHARGE AREA		11 DISCHARGE AREA	
_ YES X NO	COMMENTS	_ YES X NO	COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

X A. RESERVOIR, RECREATION DRINKING WATER SOURCE
_ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES
_ C. COMMERCIAL INDUSTRIAL
_ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Tributary to Eighteen Mile Creek	No	4,000 feet
Erie Canal	No	2,000 feet
Wetlands	Possibly	0 (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. > 1,400 NO. OF PERSONS	B. > 8,000 NO. OF PERSONS	C. --- NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: 2,000 feet

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: > 2,000

04 DISTANCE TO NEAREST OFF-SITE BUILDING: 500 feet

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within written vicinity of site, e.g., rural, village, densely populated urban area)

The site is situated in an industrial area on the edge of the city of Lockport. The site is surrounded by the County Landfill, a quarry, and other industrial facilities.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D09417554

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

X A. 10^{-6} - 10^{-8} cm/sec _ B. 10^{-4} - 10^{-6} cm/sec _ C. 10^{-4} - 10^{-3} cm/sec _ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

_ A. IMPERMEABLE (less than 10^{-6} cm/sec) X B. RELATIVELY IMPERMEABLE (10^{-4} - 10^{-6} cm/sec) _ C. RELATIVELY PERMEABLE (10^{-2} - 10^{-4} cm/sec) _ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL Ph	
3.5 - 5.5 (ft)	Unknown (ft)		

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
9 (in)	2.1 (in)	2 - 4 %	south and west	< 1 %

09 FLOOD POTENTIAL

SITE IS IN _____ YEAR FLOODPLAIN

10 _ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum) (not federally regulated)

ESTAURINE	OTHER
A. _____ (mi)	B. adjacent (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

> 2.0 (mi)

ENDANGERED SPECIES: Pilea Fontana (Clearweed)

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS	
		PRIME AG LAND	AG LAND
A. 0 (mi)	B. 2,000 feet	C. > 2 (mi)	D. > 2 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site is located in the Erie-Ontario lowlands physiographic province. The site is relatively flat, and is a few feet higher in elevation than the surrounding area. A mound approximately 5 to 10 feet high exists at the north end of the landfill.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	No samples collected		
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
Air Monitoring	Photovac TIP used to monitor ambient air during 7/18/90 site visit; no volatile organics
	detected above background concentrations (0 ppm).

IV. PHOTOGRAPHS AND MAPS

01 TYPE X GROUND X AERIAL

02 IN CUSTODY OF NYSDEC Niagara County USDA Soil and Water Conservation Service
(Name of organization or individual)

03 MAPS
X YES
_ NO

04 LOCATION OF MAPS

E.C. Jordan Co.; New York State Department of Environmetnal Conservation, Region 9; Niagara County Health Department

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

None.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Allegheny Ludum Steel		695 Ohio Street		Lockport	New York	14094

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Guterl Special Steel		695 Ohio Street		Lockport	New York	14095
Simonds Saw and Steel		695 Ohio Street		Lockport	New York	14095

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Niagara County Industrial Development Agency		59 Park Avenue		Lockport	New York	14095

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE: New York	01 SITE NUMBER: D094174554

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
Allegheny Ludlum Steel	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
695 Ohio Street	

05 CITY	06 STATE	07 ZIP CODE
Lockport	New York	14094

08 YEARS OF OPERATION	09 NAME OF OWNER
1984 - Present	Allegheny Ludlum

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
Guterl Special Steel	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
695 Ohio Street	

05 CITY	06 STATE	07 ZIP CODE
Lockport	New York	14094

08 YEARS OF OPERATION	09 NAME OF OWNER
1978 - 1983	Guterl Special Steel

PREVIOUS OPERATOR'S PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER
Simonds Saw and Steel	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
695 Ohio Street	

05 CITY	06 STATE	07 ZIP CODE
Lockport	New York	14094

08 YEARS OF OPERATION	09 NAME OF OWNER
1962 - 1978	Simmonds Saw & Steel

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
None currently	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(s)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
None currently			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
None currently			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. PAST RESPONSE ACTIVITIES

01 _ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 X F. WASTE REPACKAGED — 02 DATE 1981-1982 — 03 AGENCY _____
04 DESCRIPTION

Nickel and chromium in slag reclaimed ("hand-mined") for reuse in 1981-1982 by Guterl.

01 _ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 _ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. PAST RESPONSE ACTIVITIES (Continued)

01 R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None indicated.

01 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

Landfill surface has been regraded, however it is uncovered, sparsely vegetated, and unlined.

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I.IDENTIFICATION	
01 STATE	01 SITE NUMBER
New York	D094174554

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION X YES _ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

Phase I Investigation performed for NYSDEC, January 1988, by Engineering-Science.

Preliminary Assessment performed for USEPA in May, 1983 by NUS.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary Site Assessment Report, January 1991, E.C. Jordan Co., and references cited therein.

APPENDIX C

INTERVIEW FORMS

E.C. Jordan Co.
Work Assignment No D002472-6

New York State Department of Environmental Conservation
Preliminary Site Assessments

INFORMATIONAL INTERVIEW

Job No. 6291-20 Date: 7-18-90

Site: Guterl Steel Telephone ____ In-Person X

Between: Catherine Lanois and: Gary Millihan

E.C. Jordan Co. Affiliation: Lockport Fire Prevention Bu

Signature: Catherine Lanois Signature: Gary Millhollen

There are currently no records of or permits for underground storage tanks or aboveground storage tanks for the Allegheny Ludlum Specialty Steel Corporation facility at 695 Ohio Street in Lockport, New York.

There are no known fire or explosive hazards associated with the facility, and there are no documented releases of hazardous materials or chemicals at the facility.

E.C. Jordan Co.
Work Assignment No D002472-6

New York State Department of Environmental Conservation
Preliminary Site Assessments

INFORMATIONAL INTERVIEW

Job No. 6291-20 Date: 8-2-90

Site: Guterl Steel Telephone X In-Person ____

Between: Catherine Lanois and: William Everett

E.C. Jordan Co. Affiliation: Lockport Community Developme

Signature: Catherine Lanois Signature: William J. Everett

Guterl Specialty Steel Corporation declared bankruptcy in 1984. By a deed dated August 14, 1984, Guterl Specialty Steel conveyed all but approximately 33 acres of the former Guterl Plant to the Niagara County Industrial Development Agency (NCIDA). Pursuant to a lease agreement between the NCIDA and Allegheny Ludlum Steel Corporation dated November 1, 1984, Allegheny Ludlum is currently the sole occupant and operator of the land, and is responsible for compliance with all state statutes, rules, or regulations.

The excised 33 acre parcel is currently still held by the Guterl Steel Bankruptcy Trustee at the Western Bankruptcy Court in Pittsburgh, PA. The excised parcel includes the property along Ohio Street that is currently fenced off from the remainder of the site, and contains several buildings.

BANKRUPTCY MAY HAVE BEEN DECLARED IN 1983. WJE

E.C. Jordan Co.
Work Assignment No D002472-6

New York State Department of Environmental Conservation
Preliminary Site Assessments

INFORMATIONAL INTERVIEW

Job No. 6291-20 Date: 7-17 and 7-18-90

Site: Guterl Steel Telephone ____ In-Person X

Between: Catherine Lanois and: John Drake

E.C. Jordan Co. Affiliation: NCIDA

Signature: Catherine Lanois Signature:

Guterl Specialty Steel Corporation declared bankruptcy in 1984. By a deed dated August 14, 1984, Guterl Specialty Steel conveyed all but approximately 33 acres of the former Guterl Plant to the Niagara County Industrial Development Agency (NCIDA). Pursuant to a lease agreement between the NCIDA and Allegheny Ludlum Steel Corporation dated November 1, 1984, Allegheny Ludlum is currently the sole occupant and operator of the land, and is responsible for compliance with all state statutes, rules, or regulations.

The excised 33 acre parcel is currently still held by the Guterl Steel Bankruptcy Trustee at the Western Bankruptcy Court in Pittsburgh, PA. The excised parcel includes the property along Ohio Street that is currently fenced off from the remainder of the site, and contains several buildings.

E.C. Jordan Co.
Work Assignment No D002472-6

New York State Department of Environmental Conservation
Preliminary Site Assessments

INFORMATIONAL INTERVIEW

Job No. 6291-20 Date: 8-2-90

Site: Guterl Steel Telephone X In-Person ____

Between: Catherine Lanois and: Paul Dickey

E.C. Jordan Co. Affiliation: Niagara County Health Dept.

Signature: Catherine Lanois Signature: Paul Dickey

Drinking and irrigation water supplies for the Town of Lockport are obtained from the Niagara River, and are supplied through the Niagara County Water District.

Drinking and irrigation water for the City of Lockport are also obtained from the Niagara River, however they are supplied through the City of Lockport's water plant. Emergency drinking water is supplied for the City of Lockport from the Erie Canal via the Summit Street intakes. This emergency water supply was most recently utilized ~~in June - July 1990~~. FROM JUNE 2ND TO JUNE 12TH 1990.

Although municipal water supplies are available to residents of the Town and City of Lockport, some private wells may exist.

E.C. Jordan Co.
Work Assignment No D002472-6

New York State Department of Environmental Conservation
Preliminary Site Assessments

INFORMATIONAL INTERVIEW

Job No. 6219-20 Date: July 27, 1990 August 2, 1990

Site: Guterl Special Steel Telephone X In-Person ____

Between: Catherine Lanois and: Deborah Calderazzo

E.C. Jordan Co. Affiliation: Allegheny Ludlum Steel

Signature: Catherine Lanois Signature: ____

Ms. Deborah Calderazzo, engineer in the environmental engineering division for Allegheny Ludlum, provided the following information to Catherine Lanois, of E.C. Jordan Co., during telephone conservations dated July 27, 1990 and August 6, 1990:

There is currently no SPDES permit, other permits, or monitoring data related to the inactive landfill on the Allegheny Ludlum property;

The status of the 360 Permit (regarding the currently inactive landfill onsite) for which Guterl Special Steel previously applied) is not known, however the permit was never issued;

Allegheny Ludlum Steel Corporation has not plans to use the inactive landfill in the future, and has no plans to apply for a 360 Permit to operate the landfill.

In addition to these issues, Ms. Calderazzo confirmed C. Lanois' conversation with R. Buri of Allegheny Ludlum that flue dust wastes currently generated at the Lockport, NY facility are transported to INMETCO via Gensimore haulers, and that slag wastes currently generated are transported to the Allegheny Ludlum Brackenridge, Pennsylvania facility for reuse via Heckett (or possibly Hackett) haulers.

INFORMATIONAL INTERVIEW

Job No. 6291-20 Date: July 18, 1990

Site: Guterl Specialty Steel Telephone ____ In-Person X

Between: Catherine Lanois and: Reginald Buri - Plant Maintenance

E.C. Jordan Co. Affiliation: Allegheny Ludlum Steel Corp.

Signature: Catherine Lanois Signature: _____

When Guterl Specialty Steel Corporation declared bankruptcy in 1984, Alleghany Ludlum aquired all but approximately 33 acres of the property formerly owned and operated by Guterl. The excised 33 acres is currently separated from Allegheny Ludlum's property by a fence.

The property aquired by Allegheny Ludlum includes the inactive landfill at the northwest end of the property. The landfill was formerly operated by Simmonds Saw and Steel from 1962 until 1978, and by Guterl Specialty Steel from 1978 until 1983; Allegheny Ludlum does not use the landfill. When in use, refractory bricks, molds, scrap metal, and baghouse dust were reportedly disposed of in the landfill. In 1981, approximately 2 million pounds of alloy fragments were "hand mined" from the landfill. Guterl applied for a 360 permit in 1981 through Secure Landfill Contractors, however the permit was never issued.

Currently, excess slag containing nonhazardous materials are piled onsite (not in the inactive landfill) until they are transported to Allegheny Ludlum's Brackenridge, PA facility for reuse via Heckett (haulers). Solid wastes currently generated from the Arc Furnace and AOD include metallic oxide flue dusts (some containing nickel and chromium). These flue dust wastes are transported to INMETCO in Elwood City, PA for diposal via Genismore (hauler). Approximately 30,000 pounds of flue dust are generated every 90 days.

Cleaning solvents and waste oils currently generated are stored in drums and holding tanks until they are picked up for transport and disposal by Safety Kleen. Scrap metals are stockpiled onsite; empty drums stockpiled near the center of the site formerly held metal ingets; these are periodically picked up by scrap haulers.

There are currently no underground or aboveground fuel oil or other storage tanks onsite. The facility is currently served with public water and sewer, and uses electricity and natural gas. All floor drains are tied into the Lockport sanitary system.

APPENDIX D

ANALYTICAL DATA

SLC CONSULTANTS/CONSTRUCTORS, INC
Box 14
North Tonawanda
New York 14120-014
(716) 695-149

May 7, 1982

Guterl Special Steel Corp.
695 Ohio Street
P.O. Box 509
Lockport, NY 14094

ATTENTION: R. Burri
Project Engineer

Dear Mr. Burri:

Enclosed are the sample chemical analysis from April, 1982.

After you have reviewed the analysis, I will come out and we can review them and discuss the other project.

Please note Well 81-03 has been broken by someone.

Thank you.

Sincerely,

Donald J. Kuhn
President
SLC CONSULTANTS/CONSTRUCTORS, INC.

DJK/rs
Enc.: chemical analysis

SAMPLE LOCATION 81-01

Sample Date	pH Units	Oil & Grease mg/l	Cond. u/cm	Total Organic Carbon mg/l	Phenol mg/l	Total Halogenated Organics As Lindane mg/l	Aluminum mg/l	Chromium Total mg/l	Copper mg/l	Iron mg/l	Lead mg/l	Manganese mg/l	Nick mg/
12/11 & 12/12/80	9.2	37.8	2450	110	0.092	0.0057	0.76	0.0180	0.460	0.15	0.017	0.09	0.13
3/10, 11, 12,13 & 16/81	7.8	5.4	2800	160	0.250	0.0001	1.0	0.021	0.095	1.10	0.008	0.55	0.10
6/22/81	7.8	< 1.0	3000	117	0.012	< 0.0001	19.1	0.074	0.162	27.60	0.050	4.40	0.30
9/28/81	7.4	2.0	3150	280	0.120	<0.0001	<0.30	0.010	<0.025	<0.06	0.016	0.427	0.70
4/14/82	7.7	98.0*	1800	110	0.058	0.0032	<0.300	<0.010	0.034	<0.050	<0.010	0.318	0.09

SAMPLE LOCATION 81-02

Sample Date	pH Units	Oil & Grease mg/l	Cond. µ/cm	Total Organic Carbon mg/l	Phenol mg/l	Total Halogenated Organics As Lindane mg/l	Aluminum mg/l	Chromium Total mg/l	Copper mg/l	Iron mg/l	Lead mg/l	Manganese mg/l	Nic mg
12/11 & 12/12/80	7.9	25.8	3400	80	0.002	0.0006	5.72	0.0120	0.160	2.82	0.021	2.77	0.1
3/10, 12, 13&16/81	7.9	5.1	3000	18.5	<0.001	0.0001	1.5	0.019	0.083	2.10	0.014	4.90	0.0
6/22/81	8.0	<1.0	3700	9.0	0.468	< 0.0001	131.0	0.223	0.146	28.8	0.036	1.30	0.1
9/28/81	7.3	<1.0	3700	200	0.005	<0.0001	<0.30	<0.010	<0.025	<0.06	0.013	3.74	0.6
4/14/82	7.3	11.0	2280	120	<0.001	0.0004	<0.300	0.012	0.047	<0.050	<0.010	0.720	0.0

SAMPLE LOCATION 81-03

Sample Date	pH Units	Oil & Grease mg/l	Cond. µ/cm	Total Organic Carbon mg/l	Phenol mg/l	Total Halogenated Organics As Lindane mg/l	Aluminum mg/l	Chromium Total mg/l	Copper mg/l	Iron mg/l	Lead mg/l	Manganese mg/l	Nick mg/
12/11 & 12/12/80		NO SAMPLE			0.039	No Sample	158	0.0100	0.250	0.10	0.074	0.08	0.02
3/10, 12, 13&16/81	10.8	4.4	3400	132.5	0.180	<0.0001	180	0.013	0.076	0.30	0.001	0.04	0.06
6/22/81	11.3	1.0	3850	106.0	0.122	< 0.0001	< 1.0	0.109	0.039	0.06	< 0.010	0.27	0.16
9/28/81	10.7	1.0	2900	118	1.25	<0.0001	63.4	<0.010	0.139	<0.06	0.015	<0.02	0.85
4/14/82		NO SAMPLE TAKEN - WELL DAMAGED BY OUTSIDE SOURCES											

SAMPLE LOCATION 81-04

Sample Date	pH Units	Oil & Grease mg/l	Cond. µ/cm	Total Organic Carbon mg/l	Phenol mg/l	Total Halogenated Organics As Lindane mg/l	Aluminum mg/l	Chromium Total mg/l	Copper mg/l	Iron mg/l	Lead mg/l	Manganese mg/l	Nick mg/
3/13/81			NO SAMPLE				2.4	0.100	0.057	<0.05	0.003	<0.01	0.02
6/22/81			NO SAMPLE				58.3	0.450	2.100	27.0	0.590	21.00	3.50
9/28/81	11.1	—	1300	63	0.006	—	0.59	0.348	0.052	<0.06	0.018	<0.02	0.281
4/14/82	7.5	15.2	1310	175	0.027	0.0013	<0.300	0.201	0.042	<0.050	<0.010	<0.020	0.07