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**PHASE I ENVIRONMENTAL
SITE ASSESSMENT
MARSH VALVE COMPANY
307-315 BRIGHAM ROAD
DUNKIRK, NEW YORK**

PREPARED FOR:

City of Dunkirk, New York

PREPARED BY:

GZA GeoEnvironmental of New York

Date: February, 1997
File No. 55142

February 11, 1997
File No. 55142

Mr. Chuck Herron
City of Dunkirk
342 Central Avenue
Dunkirk, New York 14048



Re: Phase I Environmental Site Assessment
Marsh Valve Company
Dunkirk, New York

Dear Mr. Herron:

In accordance with our proposal dated January 6, 1997, GZA GeoEnvironmental of New York (GZA) is pleased to provide the attached Phase I Environmental Site Assessment Report. This assessment was completed in general accordance with the guidelines described in ASTM Standard Practice E1527-94 for Phase I Site Assessments.

This report is based on our review of available historical and environmental records, visual observations of the surface of the subject and adjoining properties and personal interviews with available persons having knowledge of the property.

The following briefly summarized areas of recognized environmental concern identified at the Site. This summary should be reviewed in conjunction with the entire report.

- The property has been used for industrial purposes since the 1920s.
- Casting sand was apparently disposed in the western portion of the Site and in an area north of the building. A significant quantity of casting sand remains within the building.
- A single test of fill material from the western portion of the Site indicated the sample material exhibited hazardous waste characteristics.
- Several containers were observed inside and outside of the building. Some of these containers included 55 gallon drums and 5 gallon pails which may contain liquids. Some of these containers were observed to be in poor condition and may be leaking.
- Evidence of an underground storage tank was observed at the Site.
- Several areas of black staining was observed in interior and exterior portions of the Site. A red-brown surface water was observed adjacent to the fill area in the western portion of the Site.
- Department of health files indicate past complaints of wind blown fill materials from the western portion of the Site, blown into adjacent residential homes and yards.

It should be noted that GZA was unable to contact the current property owner, Mr. DeLa Cerda. It is possible that Mr. DeLa Cerda could provide additional information regarding

364 Nagel Drive
Buffalo, New York
14225
716-685-2300
FAX 716-685-3629

environmental conditions at the Site. In addition, interior observations were limited due to inadequate lighting.

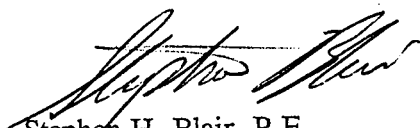


GZA recommends that a meeting be arranged with the NYSDEC to review Site conditions and discuss options for the Site.

We hope that this report satisfies your current requirements. We have appreciated the opportunity to work with you on this project.

Very truly yours,

GZA GEOENVIRONMENTAL OF NEW YORK


Stephen H. Blair, P.E.
Assistant Project Manager


Claire G. Quadri
Project Reviewer



John Gauthier, P.E.
Associate Principal

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1.00 INTRODUCTION

1.10 PROJECT AUTHORIZATION



This report presents the results of a Phase I Environmental Site Assessment conducted by GZA GeoEnvironmental, of New York (GZA) for the City of Dunkirk (Client) at the property identified as the former Marsh Valve Company Site at 307-315 Brigham Road, Dunkirk, Chautauqua County, New York. (Site). The site visit portion of the environmental assessment of the property was conducted on February 5 and February 7, 1997. Authorization to proceed on this project was granted in accordance with GZA's signed proposal dated January 6, 1997.

1.20 PROJECT OBJECTIVES

The objective of this Phase I Environmental Site Assessment were to render an opinion as to whether surficial or historical evidence indicates the presence of recognized environmental conditions which could result in hazardous materials in the environment, as defined in the American Society for Testing and Materials (ASTM) Standard Practice E1527-94 for Phase I Environmental Site Assessments.

1.30 SCOPE OF SERVICES

GZA's assessment of the Site was completed in general accordance with the ASTM Method E1527-94 and GZA's proposal for services. GZA's scope of services consisted of the following activities:

- Review of federal and state regulatory agency databases identified by ASTM for the Site and a selected radius around the Site.
- Contact with local environmental regulatory agencies to inquire about environmental conditions at the Site and in its vicinity.
- Review of the Site history through available ASTM Standard Historical Sources.
- A site reconnaissance to make surficial observations for evidence of recognized environmental conditions.
- A vicinity reconnaissance of properties within one quarter mile of the Site.
- A review of adjoining properties to identify the potential use of hazardous materials.
- Preparation of this report of our findings.

It should be noted that a Key Site Manager, familiar with previous operations and activities at the property was not available at the time of GZA's site reconnaissance. GZA has attempted to contact Mr. DeLa Cerda, the current Site owner, to conduct a telephone interview. Mr. DeLa Cerda has not been available. In addition, adequate lighting was not available during GZA's interior Site reconnaissance. Observations were made with flashlights to the extent possible. Therefore, these observations were limited because of the poor lighting.



This report presents GZA's field observations, results, and opinions. This report is subject to modification if subsequent information is developed by GZA or any other party. This report has been prepared in accordance with the limitations presented in Section 11.00 and Appendix A.

2.00 BACKGROUND SITE INFORMATION

The following information was obtained during GZA's site reconnaissance and from interviews with people knowledgeable about the Site. Photographs depicting site conditions at the time of GZA's assessment are presented in the Appendix B. Additional information on site use and area observations and activity at the Site is contained in Sections 6.00 and 7.00.

The subject Site occupies approximately 2.5 acres in Dunkirk, New York. The property is occupied by a single structure formerly housing the Marsh Valve Company offices and manufacturing facility. The Marsh Valve Company was in operation at the Site since about 1921. The structure is currently vacant and in a state of disrepair. Exterior portions of the Site include paved parking associated with the Marsh Valve building, an apparent fill area located to the north of the building, and an overgrown area located west of the parking area. The overgrown area is also reported to have received fill materials including casting sand from the Marsh Valve facility.

2.10 SITE LOCATION

The Site is located at 307-315 Brigham Road, Dunkirk, Chautauqua County, New York. The nearest surface water body is that of Crooked Brook located approximately 600 feet south of the Site. Dunkirk Harbor is located approximately 2000 feet north of the Site. A locus plan is attached as Figure 1.

2.20 SITE DESCRIPTION

The Marsh Valve Company building was constructed in various stages between 1912 and 1966. This is reflected in its construction which includes a combination of concrete block, wood and metal siding. Floors are concrete slab. A portion of the building was observed to have wood flooring. The roofing consists of a combination of wood and metal framing and decking. The building is now abandoned and without power. The roof was observed to be leaking.

Exterior portion of the Site include a parking area immediately to the west of the building. This area is bounded by a chain link fence. To the west of the fence is an overgrown area. The north of the building is an pile of what is believed to be casting sand.

2.30 CURRENT SITE USE



At the time of GZA's site visit, the study Site was vacant. The property was without power, and in a state of disrepair. A detailed description of site use is contained in Section 6.20.3.

2.40 ADJOINING PROPERTIES USE

The Site is bordered to the south by West 4th Street beyond which are private residences. To the east is Brigham Road, beyond which is a baseball diamond. To the north and west are active railroad tracks, beyond which are industrial properties to the north and northwest and vacant land to the west.

2.50 AREA USE

The general area surrounding the Site consists of residential areas south and east of the Site. Industrial properties are located north and northwest of the Site, across the railroad tracks.

2.60 SITE UTILITIES

The Site is connected to the City of Dunkirk sanitary sewer and water. Records provided by the City of Dunkirk Building Inspector indicated that the building was connected to the City sanitary sewer as of 1941. Water service has been cut off by the City of Dunkirk due to a leak in the sprinkler system. The building is also without electrical power. The building's furnaces used for melting of metal were heated by oil. GZA observed a fill pipe and vent pipe, suggesting the presence of an underground storage tank near the northwest corner of the building.

3.00 ENVIRONMENTAL SETTING

The following subsection provides information regarding the general physiographic, hydrologic and soil conditions in the area of the Site.



3.10 REGIONAL PHYSIOGRAPHY

Based on a review of the U.S. Geologic Survey Map, Dunkirk, N.Y. (1954, photorevised 1979) the Site is at an elevation of about 600 feet NGVD. The ground surface slopes slightly to the west and southwest. The nearest surface water body is Crooked Brook, located approximately 600 feet to the south. Standing water was also observed within a ditch along the railroad tracks north and west of the Site. Dunkirk Harbor is located approximately 2000 feet north of the Site. A symbol on the USGS map indicates a dry lake located west of the Site, across the railroad tracks.

3.20 GROUNDWATER CONDITIONS

Vegetation in the western portion of the Site is sometimes associated with wetland areas. This would indicate a near surface water table condition. Standing water was observed in a ditch adjacent to the railroad tracks. Brigham Road goes beneath a railroad overpass near the northeast corner of the Site. The ground surface beneath the over pass is estimated to be 10 to 15 feet below the site grade. This would indicate a deeper water table and a possible perched groundwater condition near the ground surface.

Regional groundwater flow is expected to be towards Dunkirk Harbor to the north. However, localized flow direction in the area of the Site may vary as a result of areas of surface ponding, underground utilities, septic systems, or heterogeneous subsurface conditions. Subsequent references to upgradient and downgradient properties is based on the estimated regional northerly groundwater flow direction.

3.30 SOIL AND ROCK CONDITIONS

A review of the U.S. Soil Conservation Service, "Soil Survey of Chautauqua County, New York" indicates that Site soils consist of silt loams. The permeability of these soils is listed as moderate to moderately slow. The depth to bedrock is listed as greater than 6 feet. The water table is listed at 0.5 to 1.5 feet deep, December through May.

Based on the "Geologic Map of New York", Niagara Sheet, 1970. Bedrock in the vicinity of the Site is indicated to be shale of the Canadaway Group.

4.00 HISTORICAL USE INFORMATION

The site history was developed from ASTM Standard Historical Sources and available files at the Assessor's Office, Building Department, Engineering Department, Historical Society, and New York State Department of Environmental Conservation (NYSDEC) and an interview with Mr. Michael Vendette of the Chautauqua County Department of Health. It should be noted that GZA has not been able to contact Mr. William DeLa Cerda, the owner of the Site. A list of people interviewed is included in Section 9.00.



4.10 SITE AND AREA HISTORY SUMMARY

The Marsh Valve Company has occupied the Site since the early 1920s. The Thomas Coupling Co. occupied the Site prior to Marsh Valve. GZA has found no information on Thomas Coupling's operations. The Site is believed to have been vacant in 1919. Initially the Site was used to assemble parts made elsewhere. Various additions were constructed between the 1920s and 1960s and in 1941 the foundry was constructed. Reports of the disposal of foundry sand in the western portion of the Site date from as early as 1971. A sample of this suspected foundry sand material collected in 1988 indicated that the material exhibits hazardous waste characteristics. In 1989 the NYSDEC requested an environmental study of the Site be completed. Marsh Valve Company went out of business in the early 1990s and it is believed that the work requested by the NYSDEC was not done.

4.20 CITY DIRECTORIES REVIEW

GZA reviewed City directories at the Dunkirk Historical museum at approximate five year intervals for the period between 1925-26 and 1981. Directories prior to 1925-26 did not include listings for the Site address. Each of the listings reviewed indicated that Marsh Valve company occupied the Site.

4.30 HISTORIC TOPOGRAPHIC MAP REVIEW

The U.S. Geologic Survey Map, Dunkirk, NY (1954, photorevised 1979) indicates little change in the Site and vicinity conditions since 1954. The draining of the lake located west of the Site apparently occurred between 1954 and 1979.

4.40 AERIAL PHOTOGRAPH REVIEW

Aerial photographs provided by Chautauqua County Assessors Office and dated 1971, 1983 and 1995 were reviewed. Below is a summary of information obtained from the photographs. Photocopies of the photographs are included in Appendix C.

1971 (Scale 1 inch = 400 feet) - The Marsh Valve building appears similar to its current appearance. Cars are present in the parking lot. The western portion of the property appears to be cleared with possible standing water. The parking lot area appears to be unpaved. Areas of disturbed earth and/or dumping appear off-site to the north across the railroad tracks and to south. The lake basin is evident west of the Site and the ball field is present east of the Site.

1983 (Scale 1 inch = 400 feet) - The Site appears generally similar to the 1971 photograph. The parking area appears to be paved. Vegetation appears within the western portion of the property. Areas of dumping off-site to the north and south are not as evident as in the 1971

photograph. A large structure has been constructed to the west of the Site, beyond former lake bed.

1995 (Scale 1 inch = 400 feet) - The Site appears to be generally similar to the 1983 photograph. Additional growth is noted within the western portion of the Site.

4.50 HISTORIC ATLAS REVIEW



GZA requested historic atlases from the Sanborn Mapping and Geographic Information Systems Co. of Pelham, New York and received maps dated 1919, 1931, 1947 and 1964. Information obtained from these maps is summarized below. Photocopies of these maps are included in Appendix C.

1919 - The Site appears vacant. The Essex Glass Company and Niagara Motors are located north of the Site, across the railroad tracks.

1931 - An approximate 130 foot by 30 foot structure with an adjoining 30 foot by 15 foot "Heater Room", identified as the Marsh Valve Company is located at the Site. Notes indicate the property has steam heat and electricity. Water pipes have apparently been extended along Brigham Road to the property. Essex Glass Company building is now identified as Thatcher Mfg. Co. Inc., the Niagara Motors building is now identified as Scott Transportation Co., Inc., Terminal Ware Ho..

1947 - Additions have been constructed onto the Marsh Valve building to the south, north and west. Scott Transportation Co., Inc. is identified as Dunkirk Foundries, Inc. and Thatcher Mfg. Co., Inc. has been replaced by A Rubinstein and Sons Scrap Iron Yard.

1964 - The March Valve building appears as it did in the 1947 map. A concrete mixing plant has been constructed north of the railroad tracks. The Niagara Foundries building has been identified as Motor Frt. Sta. and Auto Rep.

4.60 TITLE SEARCH AND HISTORY OF OWNERSHIP

No abstract of title was provided to GZA for review. Completion of a title search was not included in the scope of this assessment.

4.70 BUILDING DEPARTMENT RECORDS

Building Department records include only a summary of the building's construction. This information was used in developing the site description included in Section 2.20.

Plumbing Department records include a permit dated April 1941 for the installation of four water closets, one sink and two lavatories. A sketch included in the permit indicates that a

former pit drain was connected to the sanitary sewer. The location of the pit drain is not shown. A copy of this permit is included within Appendix C.

Mr. Les Gunther, City of Dunkirk plumbing inspector indicated that floor drains in manufacturing area of the building (if present) may have discharged to a ditch to the west of the building.



4.80 PROPERTY TAX FILES

Ownership records available from the City of Dunkirk and Chautauqua County Assessors Offices indicate that in August 1980, the Site was purchased by Brown Index Co., Inc. DeLa Cerda Corporation purchased the property in October 1984.

4.90 OTHER HISTORICAL SOURCES

Information obtained from other historical sources is summarized below.

Dunkirk Historical Museum

File information maintained by the Historical museum indicates the following property history:

- 1910 - Marsh Valve was incorporated.
- 1922 - Marsh valve began operations at the former Thomas Coupling Company, at the corner of Brigham and West Fourth. Operations included only assembly.
- 1941 - A foundry was constructed at site.
- 1945 - Marsh valve was sold to K.R. Wilson of Buffalo.

Mr. Michael Vendette

Mr. Vendette worked at the facility for three years in the early 1970s. Mr. Vendette currently works for the Chautauqua County Health Department, Environmental Division.

Mr. Vendette did not recall the widespread use of chemicals at the facility with the exception of a bonding agent within the casting sand. Mr. Vendette did not know what chemicals were in the bonding agent. The main processes at the facility included the making of silicone molds, the making of sand molds from the silicone, the pouring of molten brass into the mold and product finishing by grinding. Mr. Vendette recalled the disposal of foundry sand in the western portion of the property.

5.00 PREVIOUS SITE INVESTIGATIONS

GZA has attempted to contact Mr. William DeLa Cerda, the current property owner, regarding previous investigations at the property. Mr. DeLa Cerda has not responded to date. No previous investigations were provided by the Client. Limited sampling was done at the Site for the New York State Department of Environmental Conservation. This is discussed in more detail in Section 8.20.



6.00 SITE RECONNAISSANCE

The purpose of GZA's site reconnaissance was to make surficial observations for evidence of recognized environmental conditions which could result in the presence of hazardous materials in the environment. GZA Project Engineer Stephen H. Blair visited the Site on February 5, 1997. Mr. Peter Abarno of the City of Dunkirk accompanied GZA during the visit to the Site. Additional exterior observations were made by GZA Senior Project Manager Claire Quadri on February 7, 1997. Ms. Quadri was accompanied by Mr. Michael Vendette of the Chautauqua County Department of Health.

Observations were documented and pertinent features or areas of environmental concern were photographed and are referenced in the text. Selected photographs are included in Appendix B, and Figure 2 depicts pertinent Site features. A summary of each area assessed is presented below.

It is important to note that interior observations were limited due to a lack of lighting. Interior observations were made by flashlight which provided lighting to only a limited area at a time. Potential environmental conditions may have been unobserved because of the poor lighting conditions.

6.10 EXTERIOR OBSERVATIONS

The periphery of the Site as well as those portions of the property not occupied by structures was visually assessed for recognized environmental conditions.

Exterior portions of the Site consist of a parking area located west of the building. The parking area is enclosed by a chain link fence, however the gate of the fence was open at the time of GZA's visit. To the north of the building a pile of black sandy material was observed. This material is believed to be casting sand. To the east of the building is a retaining wall separating the relatively flat Site grade from the lower elevation of Brigham Road. Surface water runoff from the Site is expected to drain the north to a drainage ditch along the railroad tracks.

The portion of the Site to the west the parking area was observed to be vacant. Vegetation sometimes associated with wetland areas was observed in the western portion. Areas without



vegetation, with a black sandy material at the ground surface, were also observed in this area. Intermixed metal debris was observed at the ground surface in this area. This material is believed to be waste casting sand. As will be discussed in Section 8.20 a sample of fill material from the western portion of the Site was collected by the Chautauqua County Department of Health. This sample contained concentrations of extractable lead which indicates that the sample exhibits hazardous waste characteristics. Red brown surface water was observed within a drainage ditch between the western portion of the Site and the railroad tracks.

One drum was observed adjacent to the west side of the building. The drum was observed to be in poor condition and may be leaking. The drum was in an area of black surficial staining. A pile of suspected casting sand is located north of the building.

Evidence of an underground storage tank including a vent pipe and fill port was observed near the north west corner of the building. The contents of the tank are unknown. However, it may have previously contained fuel oil which fueled the foundry furnaces.

No surficial evidence of above ground storage tanks; electrical transformers; drywells or sumps; pits ponds or lagoons or wells; septic systems or oil/water separators were observed at the Site.

No subsurface exploration or chemical analysis has been included as part of GZA's scope of services. Information regarding subsurface conditions can be obtained by traditional subsurface exploration techniques and the collection and chemical analysis of soil and water samples.

6.20 INTERIOR OBSERVATIONS

Interior observation were limited due to lack of lighting. Interior observations were made by flashlight which provided lighting to only a limited area at a time. Some environmental conditions of potential concern may have been missed by conducting the Site reconnaissance in this manner.

The building was observed to be vacant, without power and in a state of disrepair. Water was dripping from the ceiling. Yellow tape with the word "AUCTION" printed on it was observed near the former office portion of the building. Some equipment, work benches and office furniture were observed to remain within the building. Electrical conduits hang from the ceiling. Presumably, these conduits were connected to equipment removed from the building. Several piles of debris including office papers, catalogues, etc. are also located within the building. Staining was observed in several interior locations.

An estimated 200 drums were observed stacked four drums high in the northern portion of the building. The drums were stacked, separated by pallets. Several of these drums were observed to be without lids. The open drums were observed to contain apparent waste

casting sand. Apparent casting sand was observed piled on the floor in several portions of the northern and eastern portions of the building.

Between ten and twenty 55 gallon drums and a similar number of 5 gallon pails were observed throughout other portions of the building. Those which had labeling indicated that the containers contained lubricants or coolant. One metal five gallon pail located in the former machine shop had labeling indicating a flammable hazard. Some of the containers may have been leaking.



Floor drains were only observed within bathrooms, however observations were limited by debris, casting sand and poor lighting.

7.00 VICINITY RECONNAISSANCE

As part of GZA's site assessment, a reconnaissance of the properties adjoining the Site, as well as the vicinity within a one quarter mile radius of the Site, was conducted from public properties. The result of GZA's vicinity reconnaissance is presented below.

7.10 ADJOINING PROPERTIES

The site is bounded by Brigham Road to the east, beyond which is a baseball diamond. West Fourth Street is to the south, beyond which are private residences. Railroad tracks border the Site to the north and west. Beyond the railroad tracks to the north is a building occupied by United Parcel Service and Slawson & Meade Welding/Fabrication. Vacant land is located to the west.

7.20 VICINITY PROPERTIES AND USE

The area within 1/4 mile of the study Site is primarily residential to the south and east with industrial properties to the north and northwest and vacant land to the west.

8.00 REGULATORY DATABASE REVIEW

The following section is based on public information obtained from various federal, state, and local agencies that maintain environmental regulatory databases. These databases provide information about the regulatory status of a property and incidents involving use, storage, spilling or transportation of oil or hazardous materials. Information was gathered by GZA personnel and by a professional data search service, Environmental Data Resources, Inc. (EDR). Federal, state and local regulatory information is presented in Appendix C. A discussion of the reviewed information is presented in the following sections.

8.10 FEDERAL AGENCY DATABASES

Five federal databases were provided by EDR and reviewed by GZA. These reports and the search distance used to review these databases are presented below.



Database	Date	Radius Searched
National Priorities List The National Priorities List (NPL), or Superfund list, is the EPA's database of confirmed uncontrolled or abandoned hazardous waste properties identified for priority remedial actions under the Superfund program.	June 1, 1996	1 mile
Comprehensive Environmental Response, Compensation, and Liability Information System The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database is a compilation by the EPA of the properties which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.	March 31, 1996	1/2 mile
Resource Conservation and Recovery Act Generator Database The Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal.	July 1, 1996	Site and adjoining properties
RCRA Treatment, Storage, Disposal or Transporter Facility Database The RCRA Facilities database is a compilation by EPA of reporting facilities that generate, store, transport, treat or dispose of hazardous waste.	July 1, 1996	1 mile
Emergency Response Notification System Database The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the U.S. Coast Guard, the National Response Center, and the Department of Transportation.	June 30, 1996	Site only

The Site was not included on any of the Federal databases reviewed.

A review of the July 1, 1996 RCRA database indicated two TSDs, one small quantity generator and one large quantity generator of hazardous waste within the search radii. One site which is included as both a TSD and a large quantity generator is Al Tech Specialty Steel, located about one mile south of the subject Site. Crooked Brook, a potential hydraulic divide separates the subject Site from the Al Tech site. Therefore, the potential for impact from Al Tech is considered minimal. Each of the remaining sites are identified as north and in an estimated downgradient direction from the subject Site.

8.20 STATE AGENCY DATABASE REVIEW

Four state databases searches were provided by EDR and reviewed by GZA. These databases and the search distance used to review these databases are presented below.



Database	Date	Radius Searched
List of Inactive Hazardous Waste Disposal Sites (SHWS) The Sites List is the state list of confirmed (and suspected to be) properties which are required by the state to be investigated for a release of oil or hazardous materials.	April 30, 1996	1 mile
List of Registered Underground Storage Tanks (UST) The State List of Underground Storage Tanks includes existing and former underground storage tanks (USTs).	September 30, 1996	Site only
List of Leaking Underground Storage Tanks (LUST) The State List of Leaking Underground Storage Tanks includes reported incidents of leaks or releases.	June 30, 1996	Site and adjoining properties
List of Solid Waste Facilities/ Landfill Sites (SWF/LS) The State List of Solid Waste Facilities/ Landfill Sites is compiled by the DEC and is a list of active solid waste landfills and transfer stations located within the state of New York.	June 30, 1996	1/2 mile

The study Site was not included on the State databases reviewed.

One solid waste facility, three leaking underground storage tank sites and one underground storage tank site were identified within the specified search radii. All of these are north of the Site, in a suspected downgradient location. The closest leaking underground storage tank site was at United Parcel Service, across the railroad tracks from the Site to the north. Due to the distance from the Site and downgradient location, the potential for impact on the subject Site is considered minimal.

GZA also submitted a Freedom of Information Legislation (FOIL) request to review NYSDEC file information for Marsh Valve Company. GZA reviewed files maintained by the Division of Air Resources and the Division of Hazardous Waste Remediation. Below is a summary of information obtained from these files.

Division of Air Resources

When active, the facility had a total of ten air discharge permits for emission on points. Regulated emissions included particulates, zinc oxide, copper oxide, phenol, aqua ammonia, and silica.

Division of Hazardous Waste Remediation

The following is a chronology of events assembled from file information regarding the disposal of casting sand in the western portion of the Site.



July 13, 1988 - Mr. William DeLa Cerda contacts the NYSDEC and informs them that he is having labor unrest and that the labor will be calling the NYSDEC to turn in the company for illegally dumping behind the plant. A NYSDEC representative toured the Site and observed the dumping. The NYSDEC representative informed Mr. DeLa Cerda of the landfill permitting process and requested a sample of the disposed material be tested.

September 8, 1988 - A sample of disposed material fails extraction procedure toxicity testing for lead indicating the disposed material exhibits hazardous waste characteristics.

March 20, 1989 - The NYSDEC directs Marsh Valve cease operation of the landfill immediately.

April 5, 1989 - A memo to the file provides the following background information on the Site.

- The plant is engaged in non-ferrous casting of three grades of brass. Brass contains various amounts of lead. Historically, this was the only process done at the Site.
- Tumbling fines go to a baghouse. Two 55 gallon drums of tumbling waste were generated over a two and one half year period. Grinding waste was reportedly recycled.
- Approximately four and one half yards of waste casting sand was disposed on site in a two and one half year period. It is not known when the filling began. Most of waste fill is located within a 100 by 100 foot area and includes core butts. Fine material was reportedly recycled.
- The entire plant proper is above the surrounding grade and was likely filled.

June 2, 1989 - Marsh Valve submits a site investigation plan. The plan included the completion of test trenches and soil and surface water sample collection and testing.

1990 - Meetings are held with Marsh Valve and NYSDEC to negotiate the scope of investigation.

August 2, 1993 - A letter from Marsh Valve to the NYSDEC indicates that as of September, 1991, Marsh Valve filed for protection from creditors. In November, 1991, Marsh Valve was converted to Chapter 7 but was allowed to remain in operation until a buyer could be found.

8.30 LOCAL REGULATORY AGENCIES

Chautauqua County Department of Health

GZA submitted a FOIL request to review Chautauqua County Department of Health file information for Marsh Valve Company. Below is a summary of information obtained from this file.



- An August 11, 1970 Industrial Wastewater Inventory indicates that water is used at the plant to cool a compressor and for the purpose of compression testing of valves. Discharge from these processes as well as sanitary is reported to be discharged to the City of Dunkirk sanitary sewer.
- On July 21, 1971, a complaint is filed regarding the blowing of driveway dust and sand from filling operations into adjacent homes and yards.
- A August 20, 1971 letter from the Health Department to Marsh Valve recommends the fill area be covered with topsoil.
- A December 22, 1972 air permit indicates that No. 2 oil is used at the Site.

City of Dunkirk Fire Department

GZA made inquiries with the Dunkirk fire Department regarding the presence of underground storage tanks at the Site. No records of underground storage tanks are available for the Site. However, records are reportedly incomplete.

9.00 INTERVIEWS

GZA interviewed the following people as part of this assessment:

Mr. Chuck Herron -	City of Dunkirk Development
Mr. Peter Abarno -	City of Dunkirk Mayors Office
Mr. Les Gunther -	City of Dunkirk Plumbing Inspector
Mr. Michael Vendette -	Chautauqua County Health Department and former Marsh Valve employee.
Mr. Maurice Moore -	NYSDEC Division of Hazardous waste Remediation
Mr. Michael Edwards -	City of Dunkirk Fire Chief

The information provided by each is discussed and referenced in the text.

10.00 SUMMARY AND CONCLUSIONS

A Phase I Environmental Site Assessment following the general guidance of the ASTM Phase I Standard Practice has been conducted at the Marsh Valve property located in Dunkirk, New York. The study included a site reconnaissance, a review of Site history, a review of selected local, state and federal regulatory records, and interviews with persons and agencies familiar with the Site. No subsurface explorations or chemical testing of soil or groundwater was conducted and no assessment for the presence of lead hazards, radon or asbestos was completed.



The findings below are based on the work conducted as part of this assessment:

- The subject Site occupies approximately 2.5 acres of property located with Dunkirk, New York. The property is occupied by a single structure formerly housing the Marsh Valve Company offices and manufacturing facility. The structure is currently vacant and in a state of disrepair. Exterior portions of the Site include paved parking associated with the Marsh Valve building, an apparent fill area located to the north of the building, and an overgrown area located west of the parking area.
- The Site is bordered to the south by West 4th Street beyond which are private residences. To the east is Brigham Road, beyond which is a baseball diamond. To the north and west is an active railroad track, beyond which are industrial properties to the north and northwest and vacant land to the west. The general area surrounding the Site consists of residential in areas south and east of the Site. Industrial properties are located north of the Site, across the railroad tracks.
- Regional groundwater flow is expected to be towards Dunkirk Harbor (Lake Erie) to the north. However, localized flow direction in the area of the Site may vary as a result of areas of surface ponding, underground utilities, septic systems, or heterogeneous subsurface conditions.
- Marsh Valve has occupied the Site since the early 1920s. Initially the Site was used to assemble parts made elsewhere. Various additions were constructed between the 1920s and 1960s and in 1941 the foundry was constructed. Reports of the disposal of foundry sand in the western portion of the Site are as early as 1971. A sample of fill material collected from the western portion of the Site in 1988 indicated that the material exhibits hazardous waste characteristics (extractable lead in excess of standards). In 1989 the NYSDEC requested an environmental study of the Site be completed. Marsh Valve went out of business in the early 1990s.



- Observation in exterior portions of the Site included evidence of an underground storage tank; dumping of casting sand in locations north of the building and within the western portion of the property; black surficial staining in the vicinity of the building; and red-brown surface water adjacent to the fill area in the western portion of the Site.
- Observations in interior portions of the Site were limited by a lack of lighting. However, through the use of flashlights, an estimated 200 drums, were observed. Based on our observations, we suspect that these drums contain casting sand. Additionally, between ten and twenty 55 gallon drums potentially containing liquids were observed. Some of these may be leaking. Several piles of debris were observed within the building including piles of casting sand.
- A review of state and federal databases indicate that the Site was not listed on the databases reviewed. However, some listed sites were within specified search radii of the Site. Impact from these sites is expected to be minimal due to either their distance from the Site or their downgradient location.
- NYSDEC Division of Air Resources files indicate that the Site had 10 permitted air discharge points. Regulated emissions included particulates, zinc oxide, copper oxide, phenol, aqua ammonia, and silica.
- NYSDEC Division of Hazardous Waste Remediation files indicate that illegal dumping reported in the western portion of the Site in the late 1980s. A single sample of the disposed material was tested and had extractable lead in excess of the standard, indicating the sample exhibited hazardous characteristics. The NYSDEC required Marsh Valve to complete an investigation of the Site, however Marsh Valve went out of business and the investigation was never completed.
- Chautauqua County Department of Health files indicate filling of the western portion of the Site was being done in the early 1970s. A complaint was filed indicating dust was blowing from the driveway and the fill area into adjacent homes and yards. The Department of Health recommended the filled area be covered with topsoil.

On the basis of the observations made and the information reviewed during the course of this site assessment, it is GZA's opinion that the available historical and surficial evidence indicates the following recognized environmental conditions:

- The property has been used for industrial purposes since prior to 1920s. Prior to this time, the Site is believed to have been vacant.
- Casting sand was apparently disposed in the western portion of the Site and in an area north of the building. A significant quantity of casting sand remains within the building. A single test of fill material from the western portion of the Site indicated the sample material exhibited hazardous waste characteristics.



- Several containers were observed inside and outside of the building. Some of these containers included 55 gallon drums and 5 gallon pails which may contain liquids. Some of these containers were observed in poor condition and may be leaking.
- Evidence of an underground storage tank was observed at the Site.
- Several areas of black staining was observed in interior and exterior portions of the Site. A red-brown surface water was observed adjacent to the fill area in the western portion of the Site.
- Department of health files indicate past complaints of wind blown fill materials from the western portion of the Site, blown into adjacent residential homes and yards.

11.00 LIMITATIONS

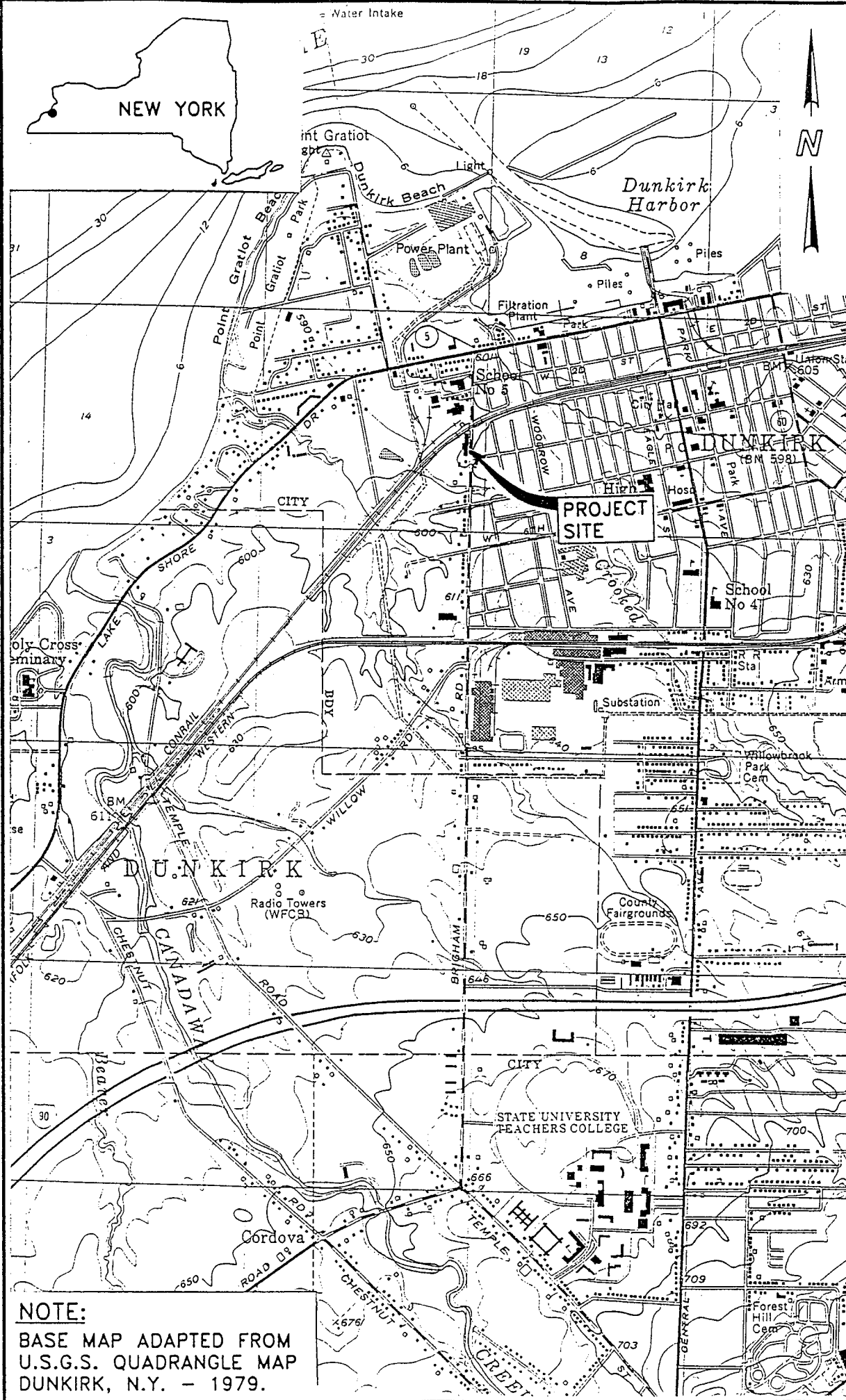
GZA's site assessment was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and GZA observed the degree of care and skill generally exercised by other consultants under similar circumstances and conditions. GZA's findings and conclusions must be considered not as scientific certainties, but rather as our professional opinion concerning the significance of the limited data gathered during the course of the environmental site assessment. No other warranty, express or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil or other latent condition beyond that observed by GZA during its site assessment. This report is also subject to the specific limitations contained in Appendix A.

It should be noted that when an assessment is completed without subsurface explorations and chemical screening of soil and groundwater beneath the site, no data can be generated regarding latent subsurface conditions which may be the result of on-site or off-site sources.

GZA has been unable to contact the current site owner or others knowledgeable of recent activities at the Site. Additional information regarding environmental conditions at the Site may be obtained from these sources.

This study and report have been prepared on behalf of and for the exclusive use of the City of Dunkirk, solely for use in an environmental assessment of the Site. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of GZA. However, GZA acknowledges and agrees that the Report may be conveyed to the Seller and Lender associated with the proximate purchase of the facility by our Client, to the extent set forth in our January 6, 1997 proposal.

FIGURES

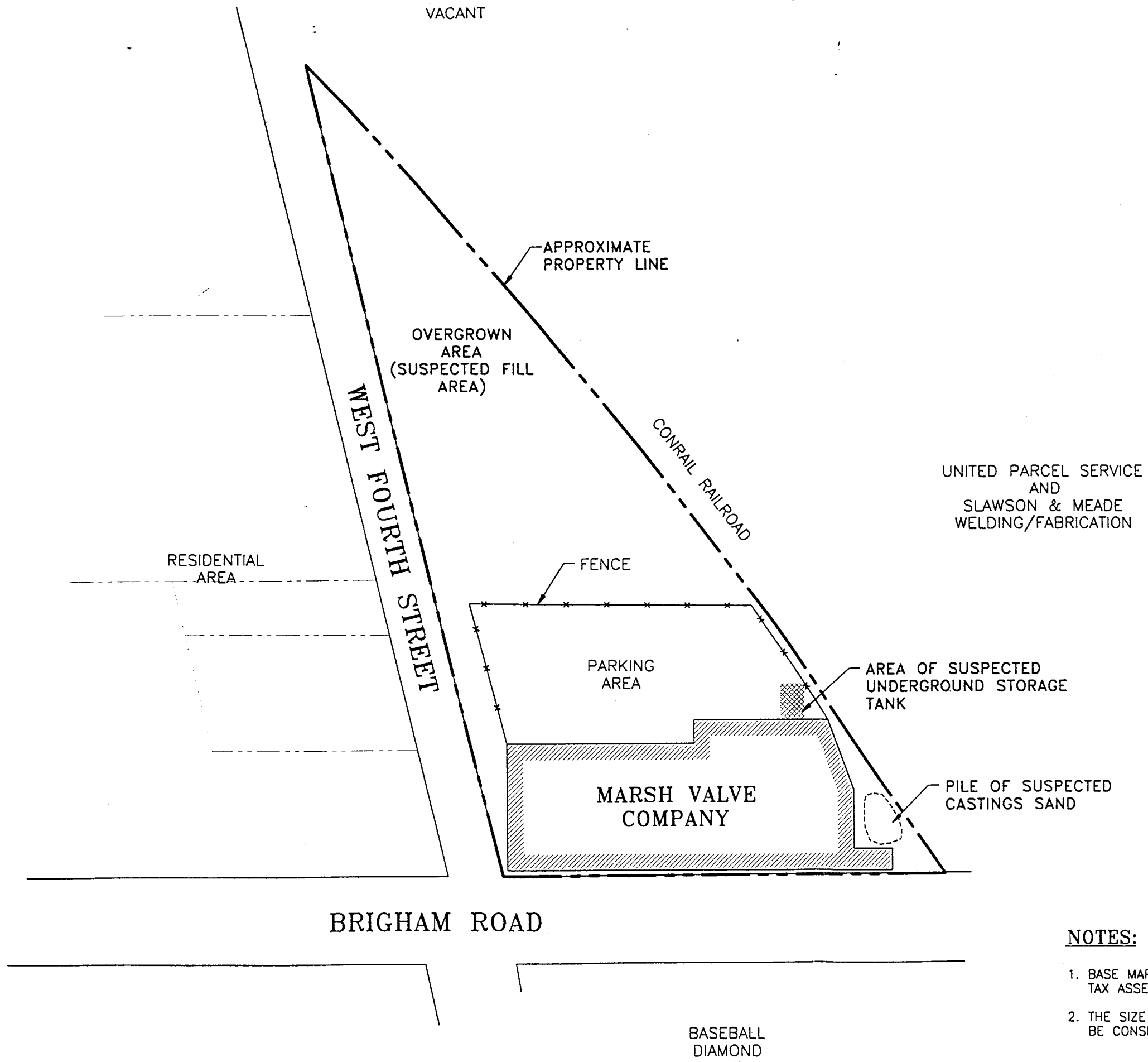


SCALE IN FEET 0 1000 2000 4000	LOCUS PLAN	PROJECT No. 55142
		FIGURE No. 1

DRAWN BY: DEW
DATE: FEBRUARY 1997

GZA | **GZA GeoEnvironmental of New York**

NOTE:
BASE MAP ADAPTED FROM
U.S.G.S. QUADRANGLE MAP
DUNKIRK, N.Y. - 1979.



- NOTES:**
- 1. BASE MAP ADAPTED FROM A CITY OF DUNKIRK TAX ASSESSORS MAP.
 - 2. THE SIZE AND LOCATION OF SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

MARSH VALVE COMPANY 307 - 315 BRIGHAM ROAD DUNKIRK, NEW YORK		REV No.		DESCRIPTION		BY		DATE	
PHASE I ENVIRONMENTAL SITE ASSESSMENT		SCALE IN FEET		DRAWN BY: DEW		DATE: FEBRUARY 1997		GZA GeoEnvironmental of New York	
SITE PLAN		NOT TO SCALE							
PROJECT No. 55142		FIGURE No. 2							

APPENDIX A

LIMITATIONS

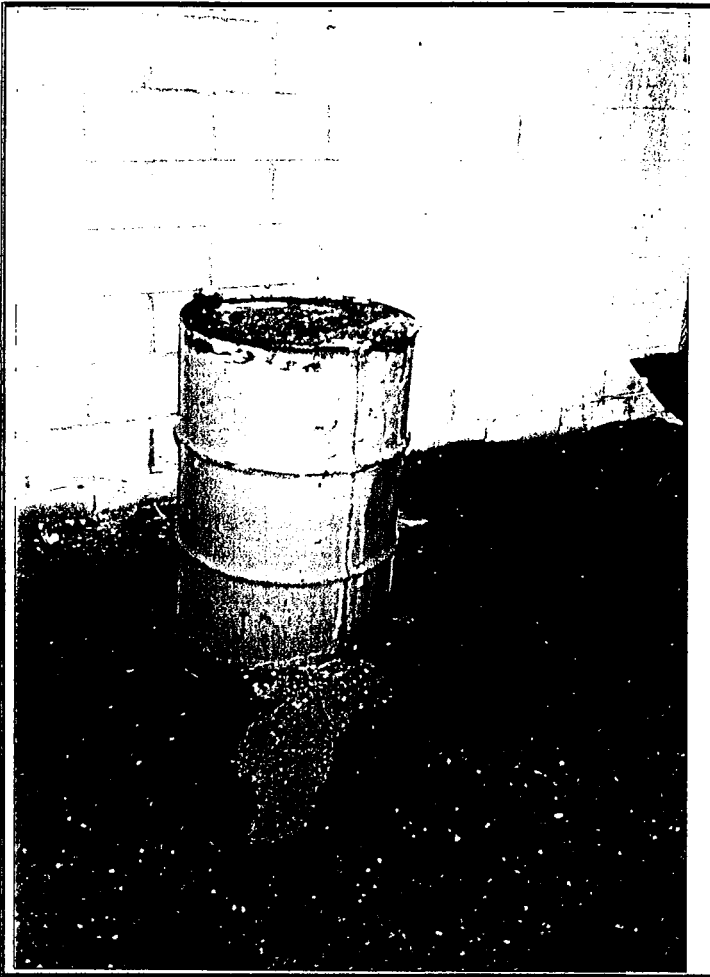
APPENDIX A

ENVIRONMENTAL SITE ASSESSMENT LIMITATIONS

1. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this report was carried out in accordance with the Terms and Conditions attached to our proposal.
2. In preparing this report, GZA GeoEnvironmental of New York (GZA) has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to GZA at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.
3. In the event that bank counsel or title examiner for Client obtains information on environmental or hazardous waste issues at the site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.
4. Observations were made of the site and of structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, GZA renders no opinion as to the presence of hazardous material or oil, or to the presence of indirect evidence relating to hazardous material or oil, in that portion of the site or structure. In addition, GZA renders no opinion as to the presence of hazardous material or oil, or to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.
5. Unless otherwise specified in the report, GZA did not perform testing or analyses to determine the presence or concentration of asbestos or polychlorinated biphenyls (PCB's) at the site or in the environment at the site.
6. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous material or oil. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.
7. GZA has been unable to contact the current site owner or others knowledgeable of recent activities at the Site. Additional information regarding environmental conditions at the site may be obtained from these sources.

APPENDIX B
PHOTOGRAPHS

Phase I Environmental Site Assessment - Marsh Valve Company



Exterior Drum, West Side of Building
Note Surficial Staining

Suspected Disposed Casting Sand
North of Building



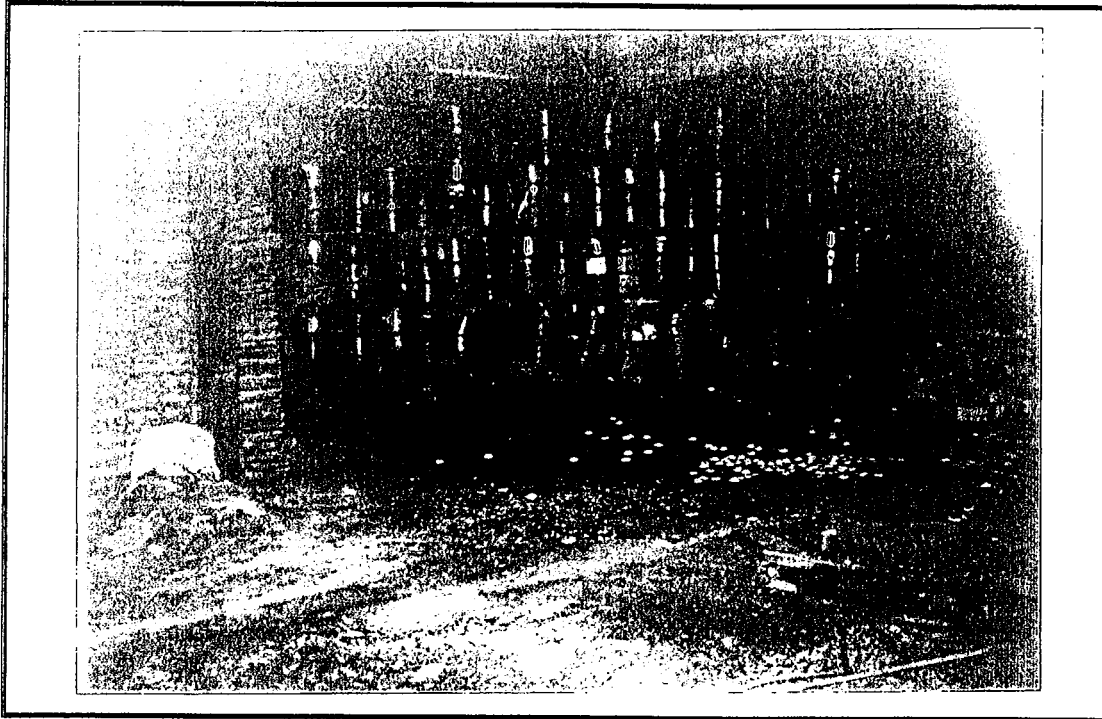
Job No:
55142

Reviewed By:
Claire Quadri

Prepared By:
Stephen Blair

GZA

Phase I Environmental Site Assessment
Marsh Valve Company



Interior Drums



Interior Drums

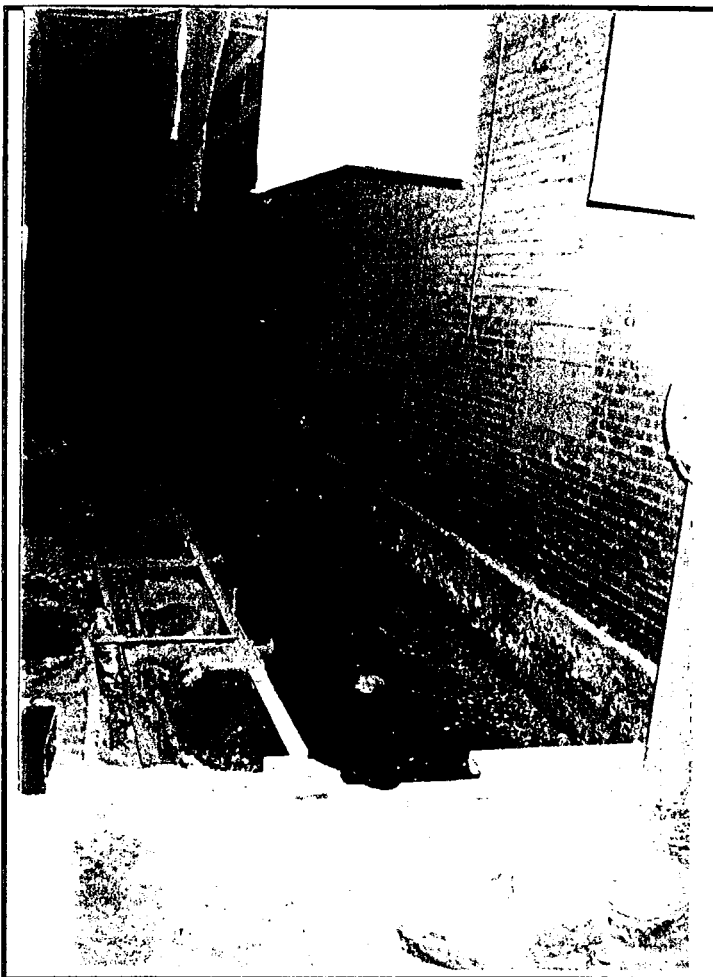
Job No:
55142

Reviewed By:
Claire Quadri

Prepared By:
Stephen Blair

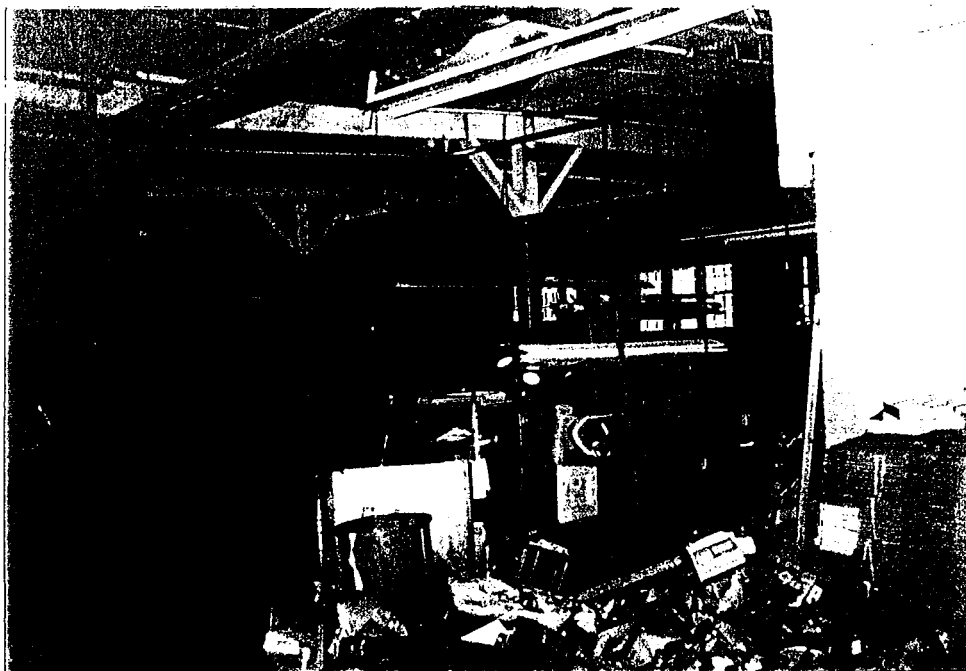
GZA

Phase I Environmental Site Assessment - Marsh Valve Company



Suspected Former Furnace Pit

Interior Debris



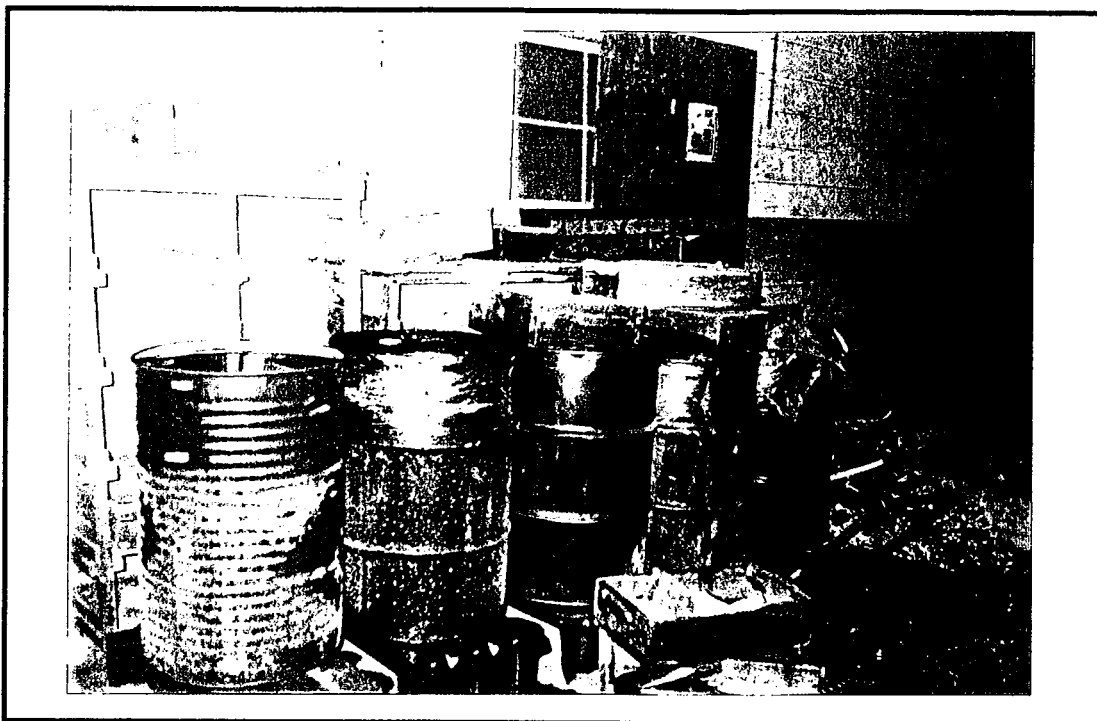
Job No:
55142

Reviewed By:
Claire Quadri

Prepared By:
Stephen Blair

GZA

Phase I Environmental Site Assessment
Marsh Valve Company



Interior Drums



Interior Drums

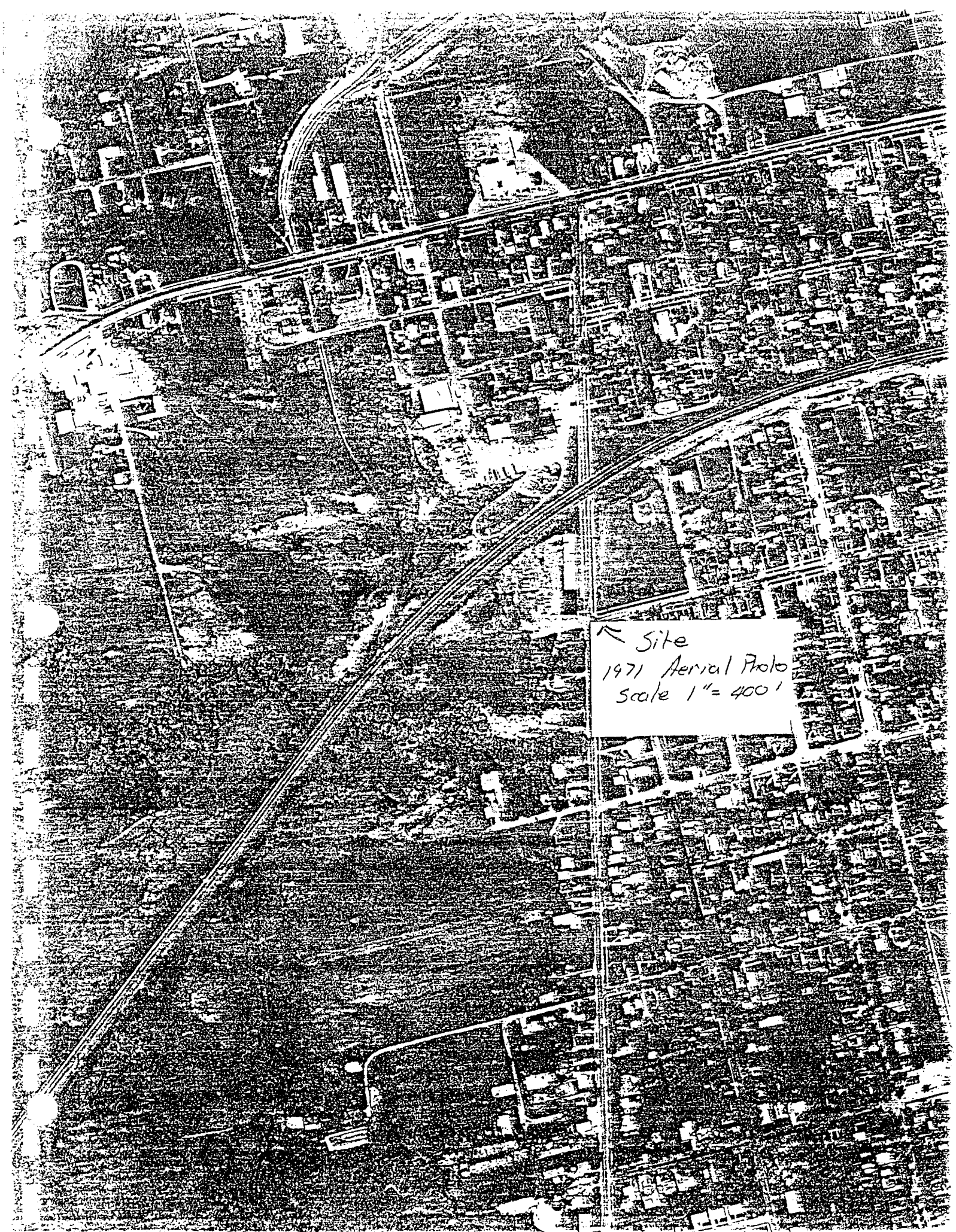
Job No:
55142

Reviewed By:
Claire Quadri

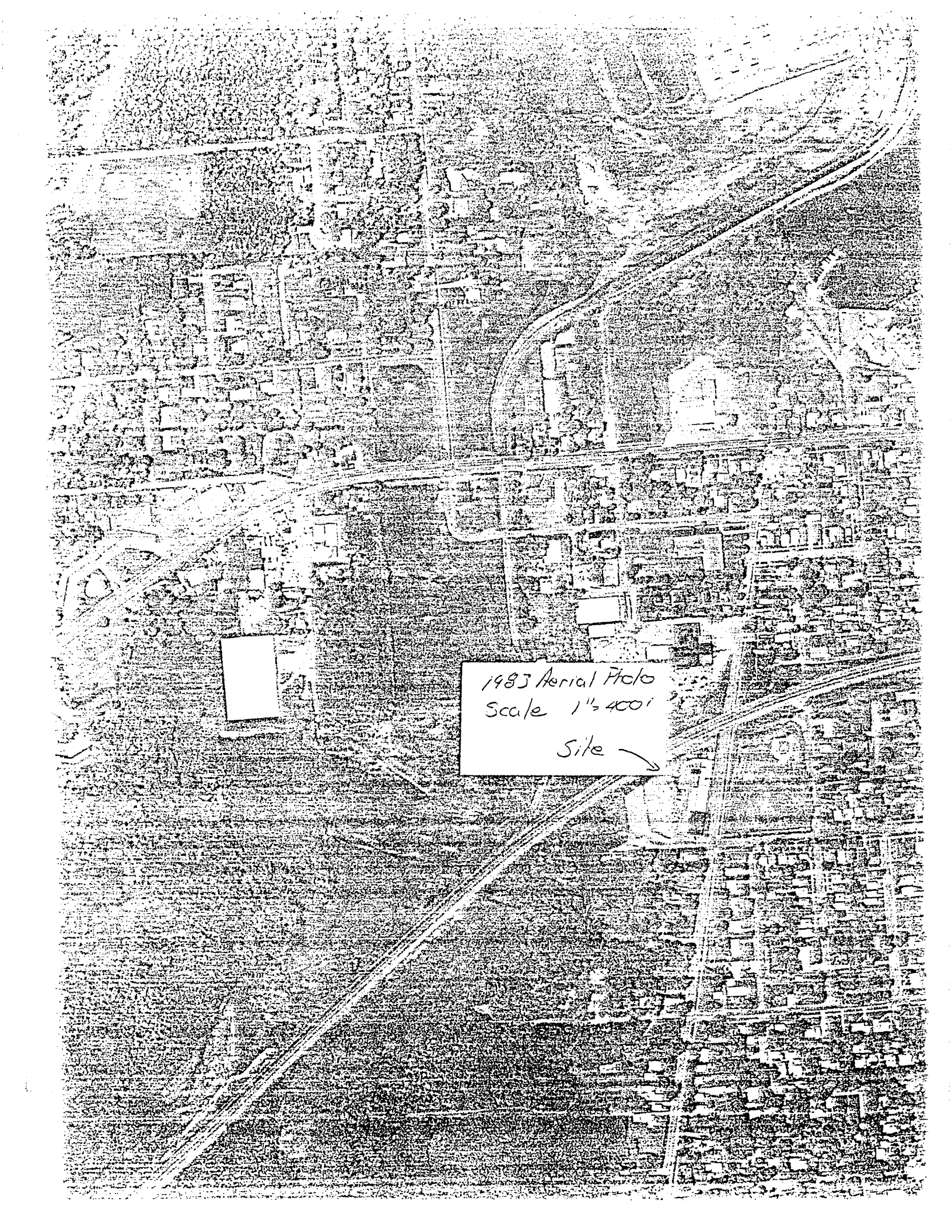
Prepared By:
Stephen Blair

GZA

APPENDIX C
HISTORICAL INFORMATION



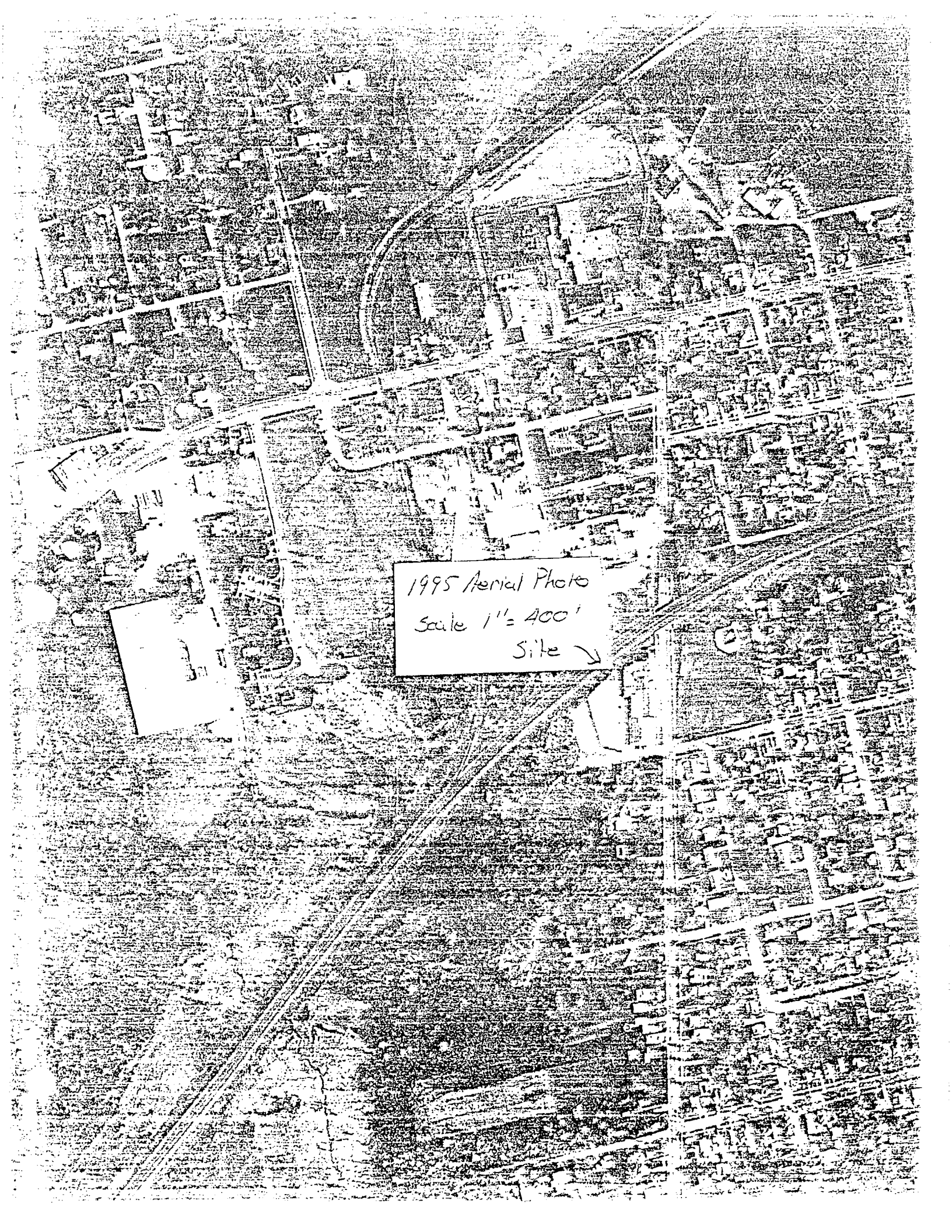
← Site
1971 Aerial Photo
Scale 1" = 400'

An aerial photograph of a city grid. A rectangular area in the lower-left quadrant is highlighted with a white box. A handwritten label with an arrow points to a specific location in the lower-right quadrant. The image is grainy and has a high-contrast, black-and-white appearance.

1983 Aerial Photo

Scale 1" = 400'

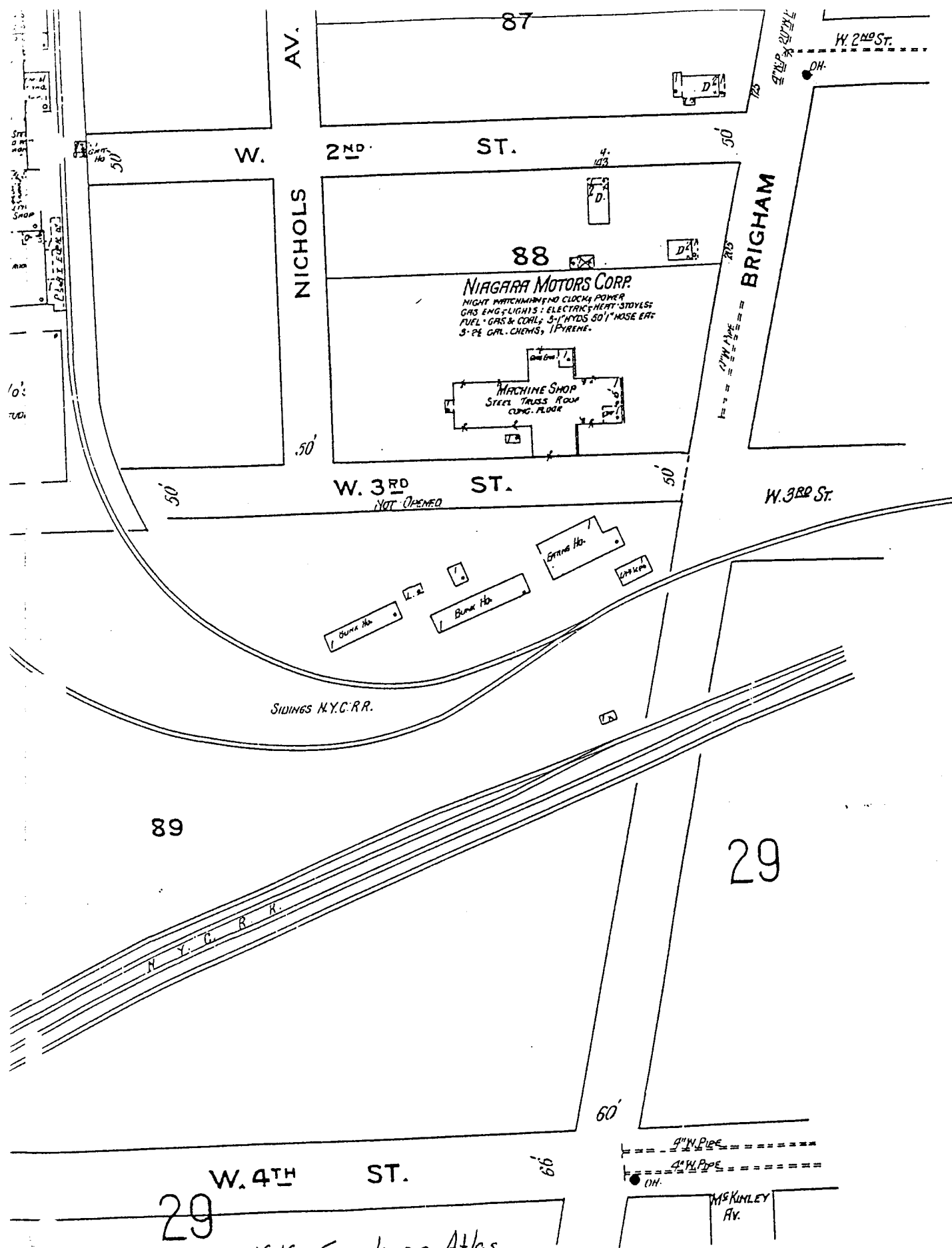
Site →

This is a high-contrast, black and white aerial photograph of a city. The image shows a dense grid of streets and buildings. A handwritten label is placed in the center of the image, pointing to a specific location. The label contains the text "1995 Aerial Photo", "Scale 1\"/>

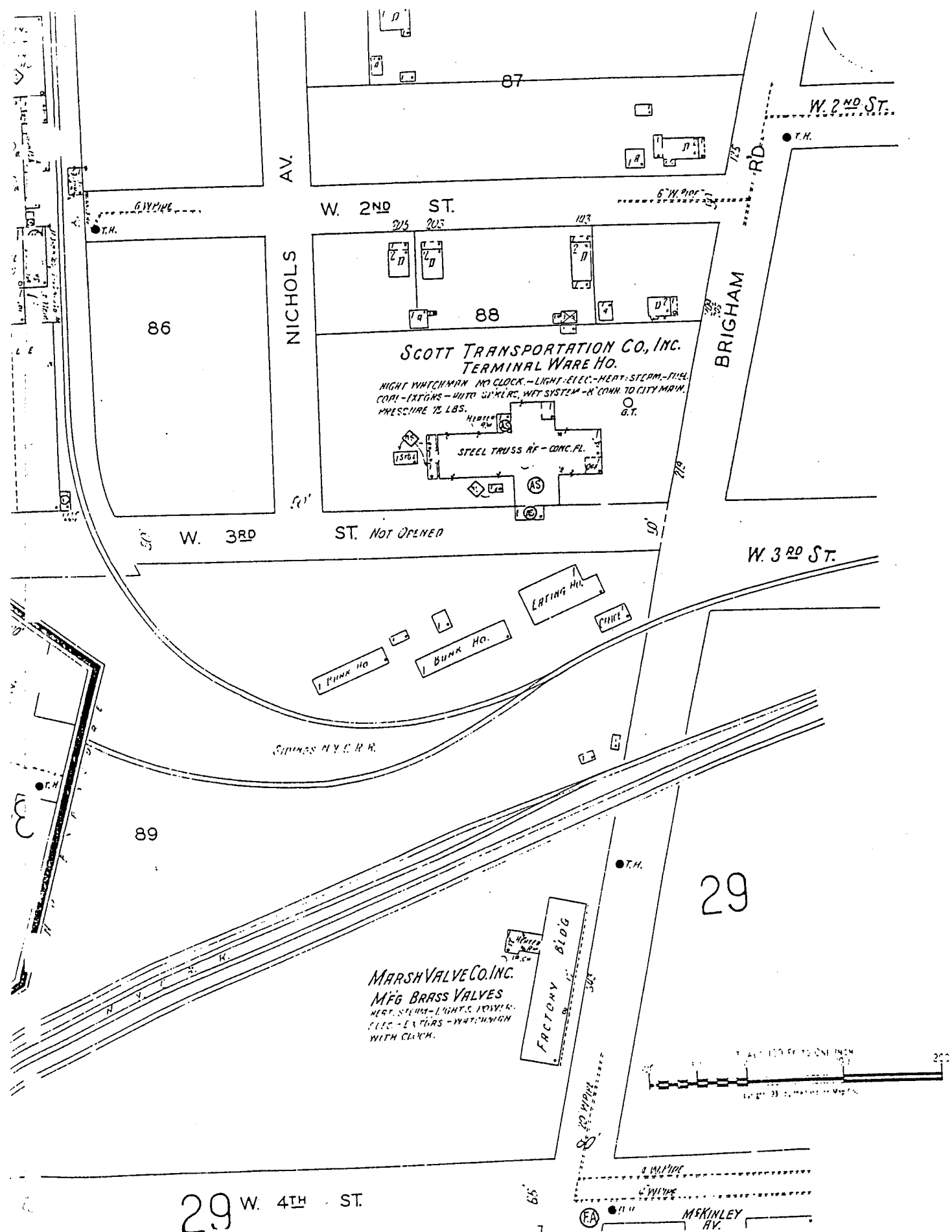
1995 Aerial Photo

Scale 1" = 400'

Site ↘



1919 Sanborn Atlas



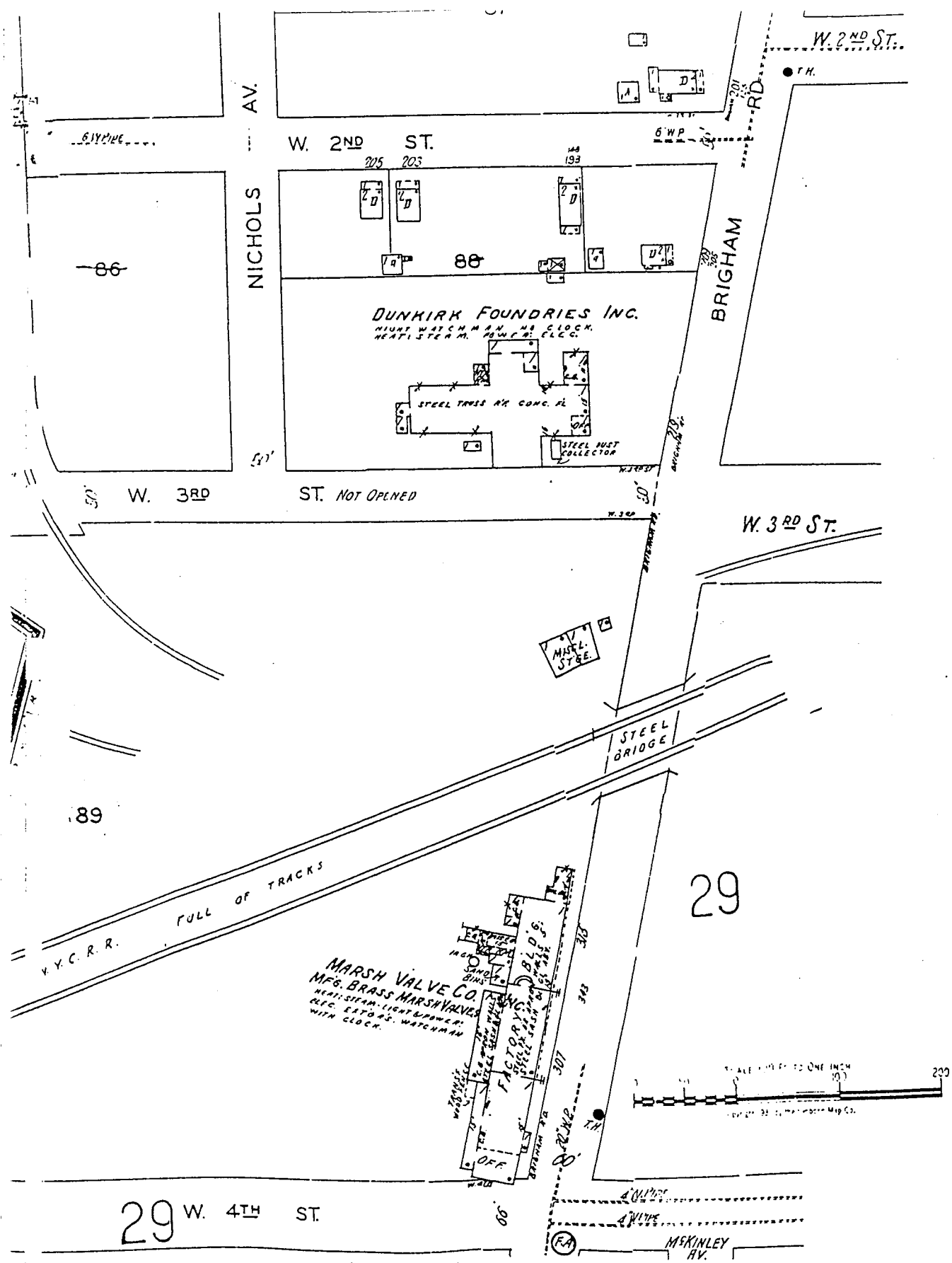
SCOTT TRANSPORTATION CO., INC.
TERMINAL WARE HO.

NIGHT WATCHMAN NO CLOCK - LIGHT - ELEC. - HEAT - STEAM - FUEL
COPR - EXTGNS - AUTO SPRINKLRS - WFT SYSTEM - A' CONN. TO CITY MAIN
PRESSURE 75 LBS.

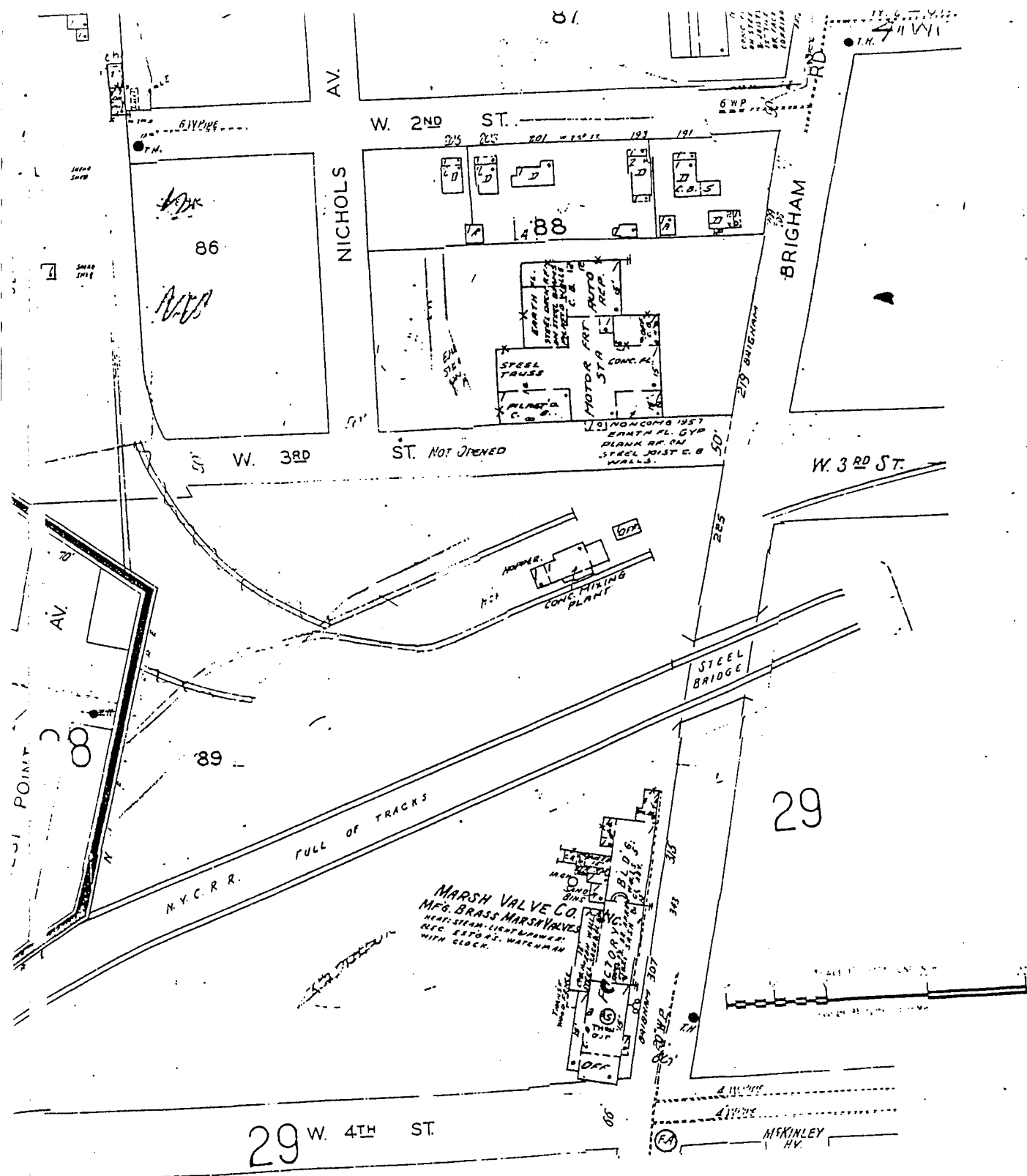
STEEL TRUSS RF - CONC. FL.

MARSH VALVE CO. INC.
MFG BRASS VALVES
HEAT - STEAM - LIGHTS - POWER
ELEC - EXTGNS - WFT - HIGH
WITH CLANK.

FACTORY BLDG



1947 Sanborn Atlas



1964 Sanborn Atlas

307-315 BRIGHAM
2.5 ACRES MFG

MEMORANDA
COMPLAINANT 1985

COLE • LAYNE • TRUMBULL CO. / APPRAISERS

APPRAISAL
OF
CONSTRUCTION

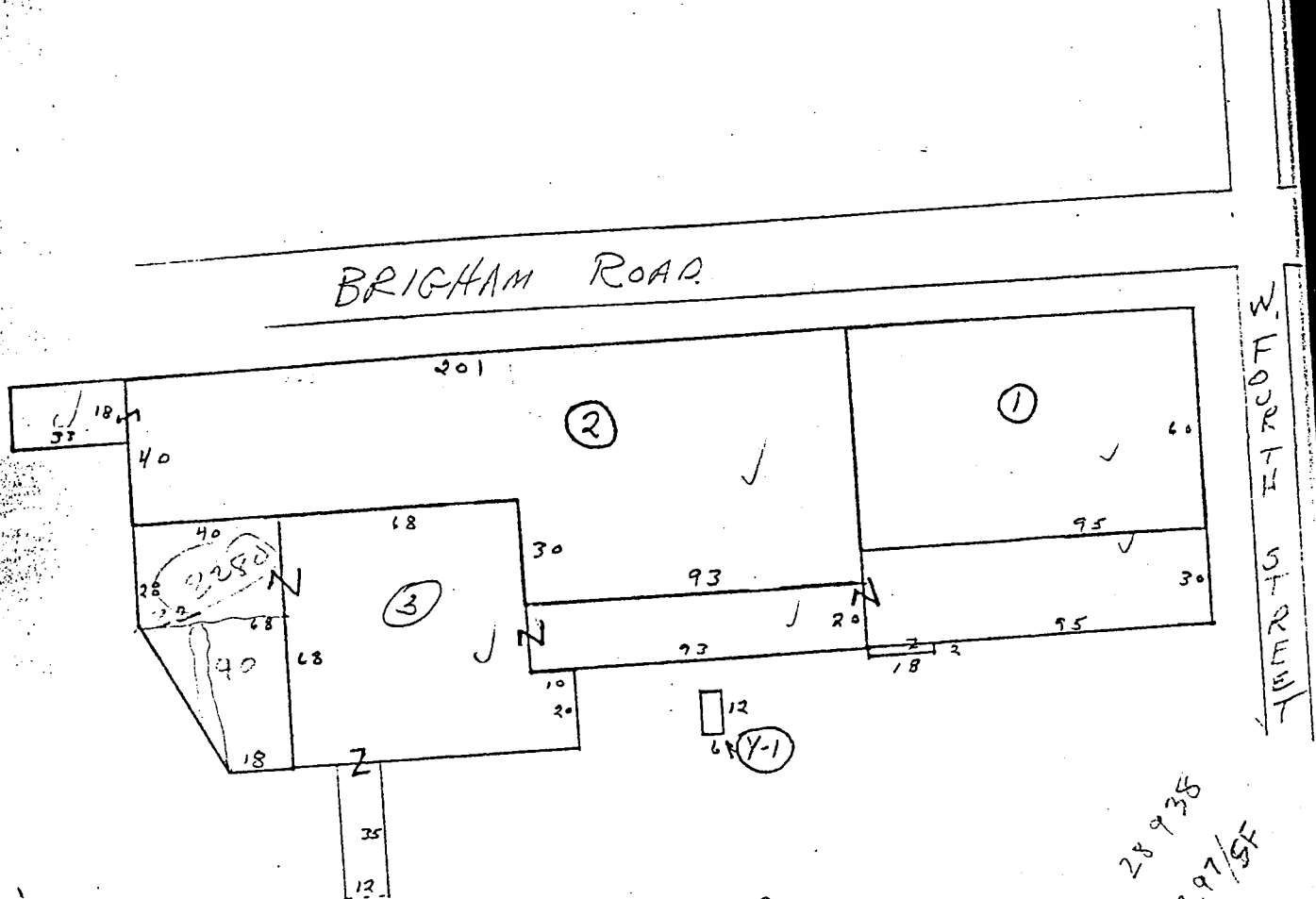
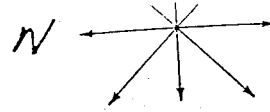
#50-1-1

MARSH VALVE COMPANY
CITY OF DUNKIRK
CHAUTAUQUA COUNTY, N. Y.

DATE May 7, 1973

50-1-1

MARSH VALVE COMPANY
CITY OF DUNKIRK
CHAUTAUQUA COUNTY, N. Y.



Total Square Feet - 29,394

28,938
3,97/54

APPRAISED

THAD STERLING

DATE

5-7-73

PARCEL ID

50-1-1

#50-1-1

MARSH VALVE COMPANY

CITY OF DUNKIRK

CHAUTAUQUA COUNTY, N. Y.

CONSTRUCTION SUMMARY

<u>Item No. & Description</u>	<u>Replacement Value</u>	<u>Depreciation</u>	<u>True Value</u>
#1 Manufacturing & Office	58,780.00	55/10%	23,810.00
#2 Manufacturing	125,460.00	65/20%	35,130.00
#3 Core Room	80,660.00	30/10%	50,810.00
V-1 Shed	320.00	50%	160.00
Fencing	3,120.00	40%	1,870.00
	<hr/> 268,340.00		<hr/> 111,780.00

^{20%}
(10%) DEPRECIATION FOR OVERALL PLANT FUNCTIONAL/ECONOMIC OBSOLESCENCE

TOTAL PLANT TRUE VALUE

89,420.00
100,600.00

#50-1-1

BUILDING #1

MANUFACTURING & OFFICE

Erected 1941

CONSTRUCTION & SIZE

One Story Frame - 95' x 60' x 12' to 16' High.

FOUNDATION

Reinforced concrete wall & column footings.

WALLS

North - Taken with adjoining building.

Balance - Colored aluminum drop siding on wood sheathing and wood frame with double hung wood sash windows & service doors.

FLOORS

Reinforced concrete slab.

ROOF

Single pitch type composition roofing, insulation, wood decking on wood rafters & timber beams & columns.

MECHANICAL FEATURES

Lighting - Conduit wiring, fluorescent fixtures.

Heating & Vent - Central steam.

Sprinkler - Wet pipe system.

Plumbing - 2 water closets, 2 lavatories, piping & drains.

OTHER FEATURES

Office - Frame - 32' x 47' x 10' high.

#50-1-1

BUILDING #2

MANUFACTURING

Erected 1912

CONSTRUCTION & SIZE

One Story Brick - 201' x 40' & 93' x 30' x 18' High to Eaves & 28' High to Ridge.

FOUNDATION

Reinforced concrete wall & column footings.

WALLS

8" common brick with pilasters including parapets & concrete coping with projected steel sash windows & service doors.

FLOORS

Reinforced concrete slab.

ROOF

Double pitch type composition roofing, insulation, wood decking on steel purlins & steel trusses on steel columns.

MECHANICAL FEATURES

Lighting - Conduit wiring, fluorescent fixtures.

Heating & Vent - Central steam.

Sprinkler - Wet pipe system.

Plumbing - 5 water closets, 6 lavatories, 1 urinal.

INTERIOR FINISH

Painted masonry interior wall finish, concrete block & masonry partitions.

ADDITIONS

Storage - One Story Concrete Block - 33' x 18' x 7' high.

#50-1-1

BUILDING #3

CORE ROOM & STORAGE

Erected 1941

Extended 1946 - 1966

CONSTRUCTION & SIZE

One Story Concrete Block - 30' x 95'; 20' x 93'; 10' x 20'; 68' x 68';
28' x 40'; 18' to 40' x 40' & 2' x 18' x 16' High.

FOUNDATION

Reinforced concrete wall & column footings.

WALLS

East - Taken with adjoining building.

Balance - Painted 8" concrete block, metal facia & overhead wood panel service doors.

FLOORS

Reinforced concrete slab.

ROOF

Flat type composition roofing, insulation, metal decking on steel framing.

MECHANICAL FEATURES

Lighting - Conduit wiring with fluorescent fixtures.

Heating & Vent - Central steam.

Sprinkler - Wet pipe system.

Plumbing - Piping & drains.

INTERIOR FINISH

Concrete block partitions.

ADDITIONS

Truckwell - Concrete - 12' x 35' x 4' high.

#50-1-1

YARD

Y-1
Shed - One Story Metal - 6' x 12' x 8' high.

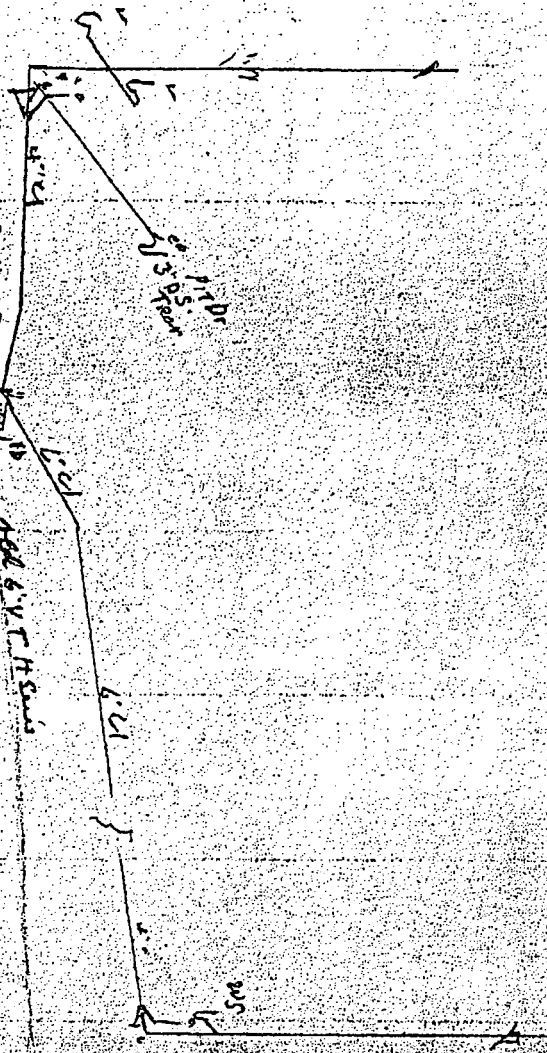
FENCING
600 lineal feet woven wire 6' high including top rail, 3 - strands
of barbed wire & gates.

Plan and Specification No. 11295 For Plumbing and Drainage of Premises Located at No. 307-15 Bingham Rd.
 Owner, Marshall Valve Co Plumbing Contractor P. Carlyon Filed 4-3-1941
 Examined and Approved by J. H. Walsh Plumbing & Sanitary Inspector; _____ Health Officer;
 _____ Clerk of Board of Health. This sewer enters lot from _____ Ft.
 of _____ Line of _____

THE PLUMBING CONTRACTOR WILL FURNISH ALL LABOR AND MATERIAL AND IN ACCORDANCE WITH THE RULES AND REGULATIONS GOVERNING THE INSTALLATION OF PLUMBING AND DRAINAGE ADOPTED BY THE BOARD OF HEALTH IN CONJUNCTION WITH THE EXAMINING BOARD OF PLUMBERS OF THE CITY OF DUNKIRK, HE WILL SET UP IN COMPLETE WORKING ORDER AND FURNISH THE FOLLOWING FIXTURES.

Fixtures	NO.	Description & Quality of Fixtures	LOCATION OF FIXTURES								
			YARD	CELLAR	1ST FL'R	2ND FL'R	3RD FL'R	4TH FL'R	5TH FL'R	6TH FL'R	7TH F
WATER CLOSETS	4	L.T.V.C. comm			1						
SINKS	1	C.I. comm			1						
LAVATORIES	2	C.I. comm			2						
BATHS											
LAUNDRY TRAYS											
URINALS											
RANGE BOILERS											
RANGE BOILER HEATERS											
LEADERS											
DRINKING FOUNTAINS											
REFRIGERATORS											
BAR WASTES											
MAIN TRAPS	1										
FRESH AIR INLETS	1		1								
CELLAR TRAPS	2		1								
CLEANOUTS	3	3" x 6" C.I. Branch Submains	3								

West 4th Street
 6' 0" CO-2
 6' 0" CO-2
 6' 0" CO-2



Take out present
 11' 0" CO-2
 replace W of W curb line in Brigham Rd on
 line of N curb in West 4th extended across Brigham Rd

APPENDIX D
REGULATORY DATABASE REVIEW

**The EDR-Radius Map
with GeoCheck™**

Marsh Valve Co.
307 Brigham Road
Dunkirk, NY 14048

Inquiry Number: 1154052.1p

January 10, 1997



**Environmental
Data
Resources, Inc.**

Creators of Toxichack/®

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

Disclaimer

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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:

307 BRIGHAM ROAD
DUNKIRK, NY 14048

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:

NPL:	National Priority List
Delisted NPL:	NPL Deletions
State Haz. Waste:	Inactive Hazardous Waste Disposal Sites in New York State
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:	Comprehensive Environmental Response, Compensation, and Liability Information System
AST:	Petroleum Bulk Storage (AST)
RAATS:	RCRA Administrative Action Tracking System
HMIRS:	Hazardous Materials Information Reporting System
PADS:	PCB Activity Database System
ERNS:	Emergency Response Notification System
FINDS:	Facility Index System
TRIS:	Toxic Chemical Release Inventory 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
NY Spills:	Spills Information Database
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:

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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-TSD list, as provided by EDR, and dated 07/01/1996 has revealed that there are 2 RCRIS-TSD sites within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
<i>TUNG FGD PILOT PLANT</i>	<i>106 POINT DR N - NW COR</i>	<i>1/2 - 1</i>	<i>7</i>	<i>13</i>
<i>AL TECH SPECIALTY STEEL</i>	<i>WILLOWBROOK AVE</i>	<i>1/2 - 1</i>	<i>8</i>	<i>14</i>

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 04/10/1995 has revealed that there is 1 CORRACTS site within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
<i>AL TECH SPECIALTY STEEL</i>	<i>WILLOWBROOK AVE</i>	<i>1/2 - 1</i>	<i>8</i>	<i>14</i>

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data comes from the list.

A review of the SWF/LF list, as provided by EDR, and dated 06/30/1996 has revealed that there is 1 SWF/LF site within approximately 0.5 Miles of the subject property.

<u>Lower Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
<i>JAMES PIEDE C & D SITE</i>	<i>208 DOVE ST</i>	<i>1/4 - 1/2</i>	<i>6</i>	<i>13</i>

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 Environmental Conservation's Spills Information Database.

A review of the LUST list, as provided by EDR, and dated 06/30/1996 has revealed that there are 3 LUST sites within approximately 0.5 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
<i>UPS</i>	<i>219 BRIGHAM ROAD</i>	<i>1/8 - 1/4</i>	<i>A3</i>	<i>10</i>

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
F & M CHEVRON	171 LAKE SHORE DRIVE WE	1/4 - 1/2	4	11
<u>Lower Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
CITY OF DUNKIRK	110 LAKESHORE DR. WEST	1/4 - 1/2	5	12

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 Environmental Conservation's Petroleum Bulk Storage (PBS, CBS, MOSF) Database.

A review of the UST list, as provided by EDR, and dated 09/30/1996 has revealed that there is 1 UST site within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
UNITED PARCEL SERVICE	219 BRIGHAM RD	1/8 - 1/4	A1	9

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 07/01/1996 has revealed that there is 1 RCRIS-SQG site within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
SLAWSON & MEAD INC	219 BRIGHAM RD	1/8 - 1/4	A2	10

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.

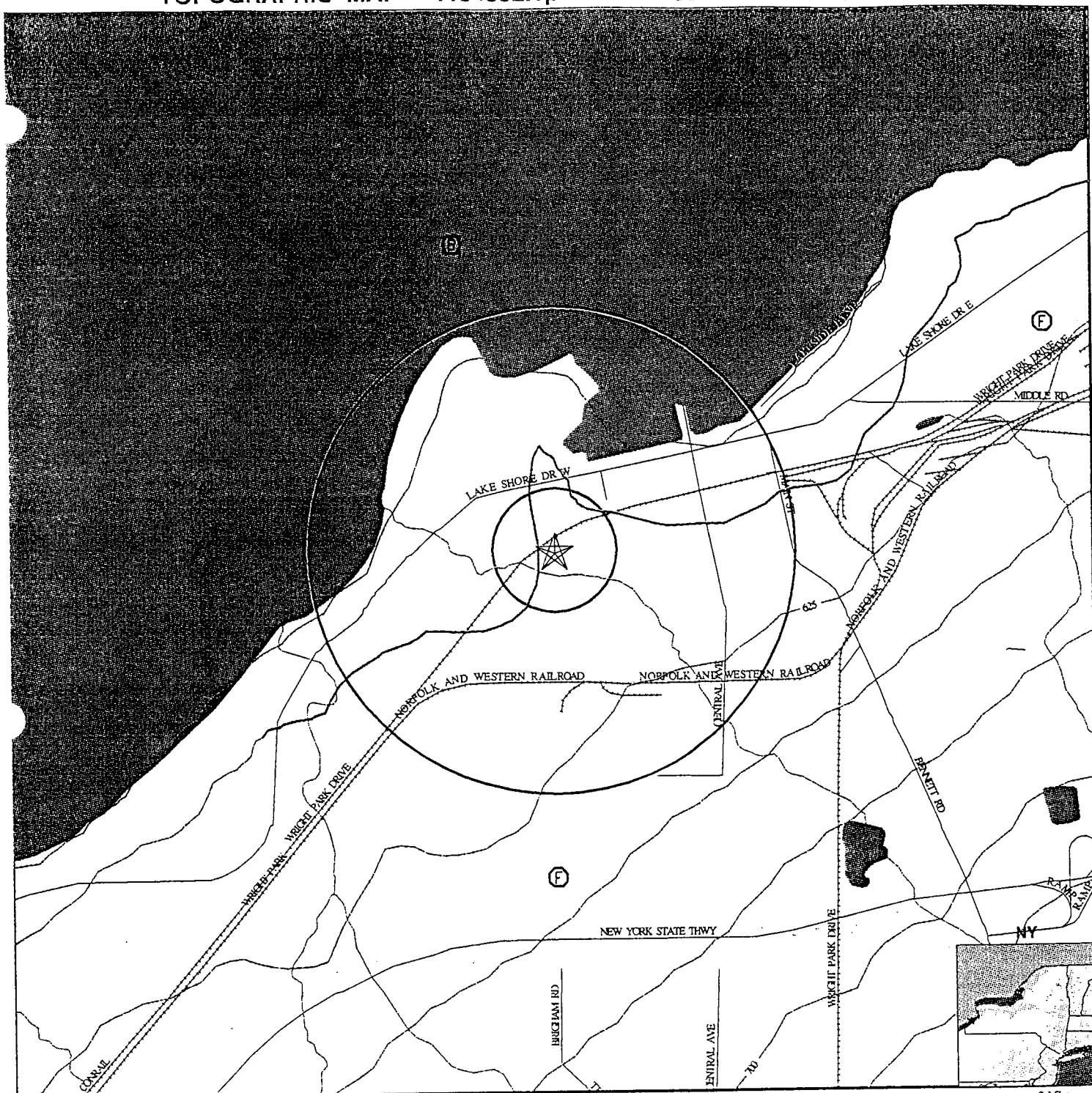
A review of the RCRIS-LQG list, as provided by EDR, and dated 07/01/1996 has revealed that there is 1 RCRIS-LQG site within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>TP Dist</u>	<u>Map ID</u>	<u>Page</u>
UNITED PARCEL SERVICE	219 BRIGHAM RD	1/8 - 1/4	A1	9

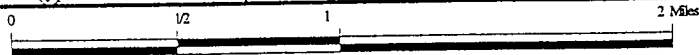
EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
DUNKIRK LF	FINDS,CERC-NFRAP,State Haz. Waste
SOUTH CHAUTAUQUA T.S.	SWF/LF
KIANTONE LF	SWF/LF
LILY DALE RURAL T.S.	SWF/LF
DUNKIRK T.S.	SWF/LF
VILLENova RURAL T.S.	SWF/LF
ELLERY T.S. (T)	SWF/LF
CHAUTAUQUA CO. DPW SLF	SWF/LF
HANOVER SLF	SWF/LF
FREDONIA SLF	SWF/LF
WEST CHAUTAUQUA COUNTY	SWF/LF
DAVID PROPER	LUST
CPS ROUTE 5	LUST
DUNKIRK STORM SEWER	LUST
A SAM & SONS	LUST
SAN GEORGES AUTO CENTER	LUST
DUNKIRK GAS STATION	LUST
SUNOCO STATION ROUTE 60	LUST
JOHN RUNFOLA	LUST
DUNKIRK PUBLIC SCHOOLS	LUST
RESOURCE CENTER #2	LUST
AL TECH SPECIALTY STEEL	LUST
NYSDOT-DUNKIRK	LUST
BART'S COVE MARINA	LUST
POINT GRATIOT PARK	LUST
VAN BUREN PENNZOIL	UST
A. SAM & SONS PRODUCE CO.,INC.	UST,AST
GENESEE LEROY STONE CORP P-31	RCRIS-SQG
NYSDOT BIN 1001240	FINDS,RCRIS-LQG
NYSDOT BIN 1027890	FINDS,RCRIS-LQG
NYS THRUWAY AUTH	FINDS,RCRIS-LQG
NYS THRUWAY AUTH	FINDS,RCRIS-LQG
NORFOLK & WESTERN RAILWAY CO	FINDS,RCRIS-LQG



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



- Major Roads
- Contour lines (25 foot interval unless otherwise shown)
- Waterways

- Earthquake epicenter, Richter 5 or greater.
- Closest well according to (F)ederal or (S)tate database in quadrant.
- Closest public water supply well.
- Closest Hydrogeological Data.

TARGET PROPERTY: Marsh Valve Co.
ADDRESS: 307 Brigham Road
CITY/STATE/ZIP: Dunkirk NY 14048
LAT/LONG: 42.4816 / 79.3467

CUSTOMER: GZA GeoEnvironmental of NY
CONTACT: Mr. Thomas R. Seider
INQUIRY #: 1154052.1p
DATE: January 10, 1997 11:08 am

GEOCHECK VERSION 2.1 SUMMARY

GEOLOGIC AGE IDENTIFICATION†

Geologic Code: D3
Era: Paleozoic
System: Devonian
Series: Upper Devonian

ROCK STRATIGRAPHIC UNIT†

Category: Stratified Sequence

GROUNDWATER FLOW INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

General Topographic Gradient: General West
General Hydrogeologic Gradient: No hydrogeologic data available.
Site-Specific Hydrogeological Data*:
Search Radius: 2.0 miles
Status: Not found

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2442079-D3 DUNKIRK, NY

FEDERAL DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>	<u>LITHOLOGY</u>	<u>DEPTH TO WATER TABLE</u>
Eastern	>2 Miles	Not Reported	Not Reported
Southern	1 - 2 Miles	Shale	3 ft.

STATE DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>
Northern	1 - 2 Miles
Eastern	>2 Miles

PUBLIC WATER SUPPLY SYSTEM INFORMATION (EPA-FRDS)

Searched by Nearest Well.

NOTE: PWS System location is not always the same as well location.

PWS Name: DUNKIRK CITY
CENTRAL AVENUE
DUNKIRK, NY 14048

Location Relative to TP: 1 - 2 Miles North

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

† 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 78, September 1990.

GEOCHECK VERSION 2.1 SUMMARY

AREA RADON INFORMATION

CHAUTAUQUA COUNTY, NY

Number of sites tested: 122

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area	0.810 pCi/L	100%	0%	0%
Basement	2.150 pCi/L	71%	27%	2%



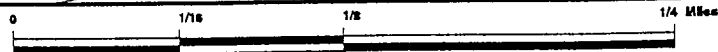
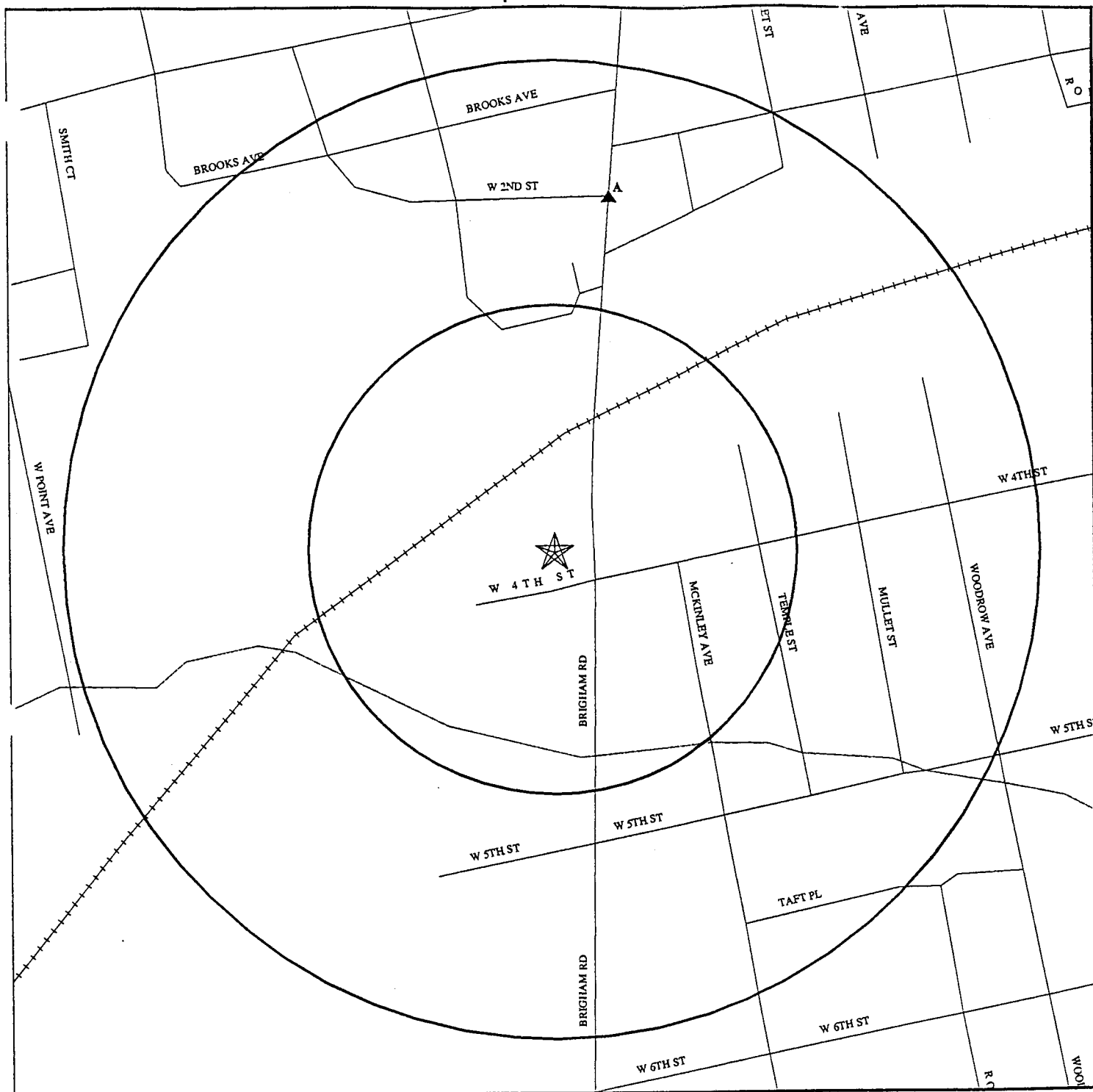
- ★ - Indicates TARGET PROPERTY.
- ▲ - Indicates sites at elevations higher than or equal to the target property.
- ◆ - Indicates sites at elevations lower than the target property.
- ⬆ - Coal Gasification Sites (if requested)
- ⬆ - National Priority List Sites
- ⬆ - Landfill Sites

- ⚡ - Power transmission lines
- ⚡ - Oil & Gas pipelines

TARGET PROPERTY: Marsh Valve Co.
 ADDRESS: 307 Brigham Road
 CITY/STATE/ZIP: Dunkirk NY 14048
 LAT/LONG: 42.4816 / 79.3467

CUSTOMER: GZA GeoEnvironmental of NY
 CONTACT: Mr. Thomas R. Seider
 INQUIRY #: 1154052.1p
 DATE: January 10, 1997 11:05 am

DETAIL MAP - 1154052.1p - GZA GeoEnvironmental of NY



- ★ - 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
- ⬮ - Landfill Sites

- ⚡ - Power transmission lines
- ⚡ - Oil & Gas pipelines

TARGET PROPERTY: Marsh Valve Co.
 ADDRESS: 307 Brigham Road
 CITY/STATE/ZIP: Dunkirk NY 14048
 LAT/LONG: 42.4816 / 79.3467

CUSTOMER: GZA GeoEnvironmental of NY
 CONTACT: Mr. Thomas R. Seider
 INQUIRY #: 1154052.1p
 DATE: January 10, 1997 11:07 am

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		1.000	0	0	0	0	NR	0
Delisted NPL	TP		NR	NR	NR	NR	NR	0
RCRIS-TSD		1.000	0	0	0	2	NR	2
State Haz. Waste		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	1	NR	NR	1
LUST		0.500	0	1	2	NR	NR	3
UST		0.250	0	1	NR	NR	NR	1
AST		0.125	0	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	1	NR	NR	NR	1
RCRIS Lg. Quan. Gen.		0.250	0	1	NR	NR	NR	1
HMIRS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
NY Spills	TP		NR	NR	NR	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	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

<p align="center">MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP</p>
--

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL	TP		NR	NR	NR	NR	NR	0
RCRIS-TSD		1.000	0	0	0	2	NR	2
State Haz. Waste		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	1	1	NR	NR	2
UST		0.250	0	1	NR	NR	NR	1
AST		0.125	0	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	1	NR	NR	NR	1
RCRIS Lg. Quan. Gen.		0.250	0	1	NR	NR	NR	1
HMIRS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
NY Spills	TP		NR	NR	NR	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	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

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

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

A1
North
1/8-1/4
Higher

UNITED PARCEL SERVICE
219 BRIGHAM RD
DUNKIRK, NY 14048

FINDS 1000447030
RCRIS-LQG NYD986905644
UST

RCRIS:

Owner: UNITED PARCEL SERVICE
(212) 555-1212

Contact: JACK SEWAR
(716) 821-6129

Classification: Large Quantity Generator

<u>Waste</u>	<u>Quantity</u>	<u>Waste</u>	<u>Quantity</u>
D001	0.000 (N)	F002	0.000 (N)
NONE	0.000 (N)		

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

Used Oil Recyc: No

Violation Status: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED PARCEL SERVICE (Continued)

1000447030

PBS UST:
Facility ID: 9-058432 CBS Number: Not reported
Town: Not reported SWIS ID: 0634
Telephone: (716) 366-1080 Location: Not reported
Operator: UNITED PARCEL SERVICE
Contact: Not reported
Emergency Contact: WILLIAM MAHER, (716) 627-2344
Facility Type: TRUCKING/TRANSPORTATION
Total Tanks: 1 Old PBS Num: Not reported
Owner: UNITED PARCEL SERVICE
219 BRIGHAM RD
DUNKIRK, NY 14048
(716) 366-1080
Owner Type: Corporate/Commercial Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: UNITED PARCEL SERVICE
1907 JAMES E CASEY DRIVE
BUFFALO, NY 14206
(716) 821-6129
ATTN: JACK SEWAR
Facility Status: Inactive Total Capacity: 0
Certification: 12/04/1991 Expiration: 12/18/1996
Tank Status: Closed-Removed
Tank Location: UNDERGROUND
Tank ID: 1 Install Date: 04/80
Product Stored: UNLEADED GASOLINE Tank Type: Steel/carbon steel
Tank Internal: NONE Pipe Internal: NONE
Pipe Location: Underground Pipe Type: GALVANIZED STEEL
Tank External: PAINTED/ASPHALT COATING
Pipe External: NONE
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Catch Basin Dispenser: Suction
Date Tested: 12/89 Next Test Date: Not reported
Date Closed: 07/93 Test Method: PETRO-TITE
Data File: Chemical Bulk Storage Facility

A2
North
1/8-1/4
Higher

SLAWSON & MEAD INC
219 BRIGHAM RD
DUNKIRK, NY 14048

RCRIS-SQG 1000693463
NYD986969368

Used Oil Recyc: No
Violation Status: Not reported

A3
North
1/8-1/4
Higher

UPS
219 BRIGHAM ROAD
DUNKIRK, NY

LUST S100560435
N/A

LUST:
Facility ID: 9305494 Region of Spill: 9
Facility Contact: Not reported Facility Tele: Not reported
Investigator: FG Spill Type: Facility
Caller Name: JIM GIAMMARINO Caller Agency: J.N. GIAMMARINO CONST.
Caller Phone: (607) 724-0840 Caller Extension: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

UPS (Continued)

S100560435

Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(716) 821-6129
Spiller:	UPS		
Address	1907 JAMES E CASEY DRIVE BUFFALO, NY 14206		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	05/11/1994		
Material Class:	Petroleum	Spilled Code:	0009
Quantity Spilled:	Unknown UNITS NOT REPORTED	Quant Recovered:	Unknown UNITS NOT REPORTED
Spill Cause:	Tank Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Other	PBS Number:	Not reported
Spill Date:	08/02/1993 14:10	Reported to Dept:	08/02/1993 16:10
Tank Number:	Not reported	Tank Capacity:	0 Gallons
Test method:	Not reported	Leak Rate:	0.00
Gross Leak/Fail:	Not reported		
Cleanup Ceased:	05/11/1994		
Last Inspection:	02/25/1994		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	True		
Spill Record Last Update:	05/16/1994		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered In Computer Data File:	08/04/1993		

4
NNE
1/4-1/2
Higher

F & M CHEVRON
171 LAKE SHORE DRIVE WEST
DUNKIRK, NY

LUST

S100120740
N/A

LUST:

Facility ID:	9012172	Region of Spill:	9
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	MF	Spill Type:	Facility
Caller Name:	ANONYMOUS	Caller Agency:	MOTORIST
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	UNKNOWN		
Address	Not reported Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	02/22/1991		
Material Class:	Petroleum	Spilled Code:	0009
Quantity Spilled:	5 gallons	Quant Recovered:	4 gallons
Spill Cause:	Tank Overfill	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Passenger Vehicle
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Spill Date:	02/20/1991 13:30	Reported to Dept:	02/22/1991 11:56
Tank Number:	Not reported	Tank Capacity:	0 Gallons
Test method:	Not reported	Leak Rate:	0.00
Gross Leak/Fail:	Not reported		

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

F & M CHEVRON (Continued)

S100120740

Cleanup Ceased: 02/22/1991
Last Inspection: Not reported
Cleanup Meets Standard: True
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 03/14/1991
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 02/22/1991

5
NE
1/4-1/2
Lower

CITY OF DUNKIRK
110 LAKESHORE DR. WEST
DUNKIRK, NY

LUST

S100781889
N/A

LUST:

Facility ID:	9308262	Region of Spill:	9
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	MF	Spill Type:	Facility
Caller Name:	MIKE VENDETTE	Caller Agency:	CHCHD
Caller Phone:	(716) 753-4481	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	CITY OF DUNKIRK		
Address:	Not reported		
	DUNKIRK, NY		

Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.

Spill Closed Dt: 10/19/1993
Material Class: Nonpetroleum/Nonhazardous
Quantity Spilled: Unknown UNITS NOT REPORTED
Spill Cause: Tank Failure
Water Affected: Not reported
Spill Notifier: Health Department
Spill Date: 10/04/1993 15:32
Tank Number: Not reported
Test method: Not reported
Gross Leak/Fail: Not reported
Cleanup Ceased: 10/19/1993
Last Inspection: Not reported
Cleanup Meets Standard: True
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 10/29/1993
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 10/08/1993

Spilled Code: 0027
Quant Recovered: Unknown UNITS NOT REPORTED
Resource Affected: Air
Spill Source: Other Non Commercial/Industrial
PBS Number: Not reported
Reported to Dept: 10/05/1993 12:00
Tank Capacity: 0 Gallons
Leak Rate: 0.00

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

6
NE
1/4-1/2
Lower

JAMES PIEDE C & D SITE
208 DOVE ST
DUNKIRK, NY 14048

SWF/LF

S101650688
N/A

LF:

Facility ID: 07D26
DEC Region: 9
Permit issue date: Not reported
Authrzd/Operate Dt: 07/06/1981
Auth. to Construct: Not reported
Regulatory Status: None
Started Rec Waste: Not reported
Aquifer: none

Telephone: Not reported
Permit #: 2179
Permit Expires: 06/30/1984
Construct Perm #: Not reported
Const Permit Exp: Not reported
Receiving Waste: False
Stop Rec Waste: Not reported

Date Ordered On Consent Signed: Not reported
Accomplish Date Of Order: Not reported

Inactive HWS Num0

Inactive HWS: False
Inactive HWS Class: Not reported

Waste type: Demolition

Owner Name: L.D. JANSON TRUCKING INC
Mail Address: 208 DOVE ST
DUNKIRK, NY 14048

Owner Type: Private

Owner Phone Num: Not reported
Ny Transverse Mercator Coordinates East:
Ny Transverse Mercator Coordinates North:
Annual Report Submitted to ALB:

Operator Name: L.D. JANSON TRUCKING INC
Not reported
Not reported

1989: False
1991: False
1993: False
1995: False

1990: False
1992: False
1994: False

Primary Liner: Not reported
Annual Rprt Waived: Not reported

Secondary Liner: Not reported
Tipping Fee Rprtd: Not reported

7
NNW
1/2-1
Higher

TUNG FGD PILOT PLANT
106 POINT DR N - NW COR OF
DUNKIRK, NY 14048

RCRIS-SQG 1000912137
FINDS NY0000465500
RCRIS-TSD

RCRIS:

Owner: DEPT OF ENERGY PITTSBURGH TECHNOLOGY CTR
(412) 892-6000

Contact: SHAO TUNG
(617) 731-6367

Classification: Conditionally Exempt Small Quantity Generator, TSDF, Hazardous Waste Transporter

Waste	Quantity	Waste	Quantity
D000	0.000 (N)	D007	0.000 (N)

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

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

8
South
1/2-1
Higher

AL TECH SPECIALTY STEEL
WILLOWBROOK AVE
DUNKIRK, NY 14048

FINDS
RCRIS-LQG
TRIS
RCRIS-TSD
RAATS
TSCA
CORRACTS

1000398028
NYD030215529

CORRACTS Data:

Prioritization: High
Status: RCRA Facility Investigation Completed, Determination of Need for a RCRA Facility Investigation

RCRIS Corrective Action Summary:

Effective Date: 01/15/81
Legal Authority: RCRA 3008(h) or equivalent

RCRIS:

Owner: RIO ALGOM LTD
(716) 366-1000

Contact: NORMAN DAILEY
(716) 366-1000

Classification: Large Quantity Generator, TSD, Hazardous Waste Transporter

<u>Waste</u>	<u>Quantity</u>	<u>Waste</u>	<u>Quantity</u>
D000	0.000 (N)	D001	0.000 (N)
D002	0.000 (N)	D003	0.000 (N)
D005	0.000 (N)	D005	11.340 (M)
F001	0.000 (N)	F006	0.000 (N)
F007	0.000 (N)	F008	0.000 (N)
F009	0.000 (N)	F009	48.988 (M)
F010	0.000 (N)	F011	0.000 (N)
F012	0.000 (N)	K062	0.000 (N)
K062	8,663.760 (M)	P029	0.000 (N)
P106	0.000 (N)	U133	0.000 (N)
U134	0.000 (N)		

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

Used Oil Recyc: No

TSD Activities: Not reported

Violation Status: Not reported

There are 2 compliance/violation record(s) reported at this site:

Evaluation

Non-Financial Record Review
Non-Financial Record Review

Area of Violation

TSD-Groundwater Monitoring Requirements
TSD-Groundwater Monitoring Requirements

Date of
Compliance
06/25/1985
03/20/1986

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)
- Civil judicial and administrative enforcement case against facility (under DOCKET)

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
CHAUTAUQUA COUNTY	S100443764	SOUTH CHAUTAUQUA T.S.			SWF/LF	
CHAUTAUQUA COUNTY	S101650709	KIANTONE LF			SWF/LF	
CHAUTAUQUA COUNTY	S102189909	LILY DALE RURAL T.S.			SWF/LF	
CHAUTAUQUA COUNTY	S102189913	DUNKIRK T.S.			SWF/LF	
CHAUTAUQUA COUNTY	S102189907	VILLENova RURAL T.S.			SWF/LF	
CHAUTAUQUA COUNTY	S102189908	ELLERY T.S. (T)			SWF/LF	
CHAUTAUQUA COUNTY	S101650705	CHAUTAUQUA CO. DPW SLF			SWF/LF	
CHAUTAUQUA COUNTY	S101650713	HANOVER SLF			SWF/LF	
CHAUTAUQUA COUNTY	S101650715	FREDONIA SLF			SWF/LF	
CHAUTAUQUA COUNTY	S100295895	WEST CHAUTAUQUA COUNTY			SWF/LF	
DUNKIRK	U001327675	VAN BUREN PENNZOIL	ROUTE 76, SOUTHERN TIER EXPR.	14048	UST	9-384925
DUNKIRK	S101102969	DAVID PROPER	RD 2 WEST LAKE RD		LUST	9400348
DUNKIRK	1000552821	NYSDOT BIN 1001240	32 EAST 2ND STREET	14048	FINDS, RCRIS-LOG	
DUNKIRK	S101485923	CPS ROUTE 5	ROUTE 5		LUST	9001251
DUNKIRK	S100119698	DUNKIRK STORM SEWER	ROUTE 5		LUST	8701338
DUNKIRK	S100879286	A SAM & SONS	ROUTE 5		LUST	9313737
DUNKIRK	S100120854	SAN GEORGES AUTO CENTER	ROUTE 5 / LIGHT STREET		LUST	9100517
DUNKIRK	S100118510	DUNKIRK GAS STATION	45 E. 5TH STREET		LUST	8602003
DUNKIRK	1000990594	NYSDOT BIN 1027890	RTE 60 BRIDGE OVER I-90	14048	FINDS, RCRIS-LOG	
DUNKIRK	S100669703	SUNOCO STATION ROUTE 60	ROUTE 60		LUST	9007541
DUNKIRK	1001113498	GENESSEE LEROY STONE CORP P-31	BENNETT RD INT OF RTE 60 &	14048	RCRIS-SQG	
DUNKIRK	1000693753	NY'S THRUWAY AUTH	BRIGHAM RD OVER THRUWAY	14048	FINDS, RCRIS-LOG	
DUNKIRK	U003079765	A. SAM & SONS PRODUCE CO.,INC.	WEST LAKE ROAD	14048	UST, AST	
DUNKIRK	S100117275	JOHN RUNFOLA	LAKE SHORE DRIVE EAST		LUST	9-446874
DUNKIRK	S100782267	DUNKIRK PUBLIC SCHOOLS	LAKE SHORE DRIVE EAST		LUST	8802964
DUNKIRK	S100782075	RESOURCE CENTER #2	186 WEST LAKE SHORE ROAD		LUST	9311277
DUNKIRK	S100119557	AL TECH SPECIALTY STEEL	LUCAS AVENUE		LUST	9309706
DUNKIRK	S100669220	NYSDOT-DUNKIRK	MAPLE / 5TH STREETS		LUST	8709585
DUNKIRK	S100493635	BART'S COVE MARINA	MULLET STREET		LUST	8912244
DUNKIRK	S100688528	POINT GRATIOT PARK	POINT GRATIOT PARK		LUST	9203136
DUNKIRK	1000270995	DUNKIRK LF	SOUTH ROBERTS RD		LUST	8604125
DUNKIRK	1000693754	NY'S THRUWAY AUTH	TEMPLE ST OVER THRUWAY	14048	FINDS, CERC-NFRAP, SHWS	
DUNKIRK	1000912412	NORFOLK & WESTERN RAILWAY CO	TEMPLE RD MP B43 65 1/4 MI W	14048	FINDS, RCRIS-LOG	

GEOCHECK VERSION 2.1 ADDENDUM FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Eastern Quadrant)

BASIC WELL DATA

Site ID:	422941079182801	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Chautauqua
Altitude:	612.00 ft.	State:	New York
Well Depth:	150.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	Not Reported	Prim. Use of Site:	Unused
Date Measured:	Not Reported	Prim. Use of Water:	Unused

LITHOLOGIC DATA

Not Reported

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1

FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Southern Quadrant)

BASIC WELL DATA

Site ID:	422745079204801	Distance from TP:	1 - 2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Chautauqua
Altitude:	642.00 ft.	State:	New York
Well Depth:	60.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	3.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Domestic

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Devonian-Upper
Principal Lithology of Unit:	Shale
Further Description:	Not Reported

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1

STATE DATABASE WELL INFORMATION

Water Well Information:

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

Public Water Supply #:	0600360	Source ID:	001
PW Supply Name:	DUNKIRK CITY		
Source Name:	LAKE ERIE		
Source Description:	Surface		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	422958	Longitude:	-792116
Source Prod Capacity:	10 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	01	Watershed Sub-basin:	05
Treatment Plant ID:	002	Date of rec Last Update:	19931012
Water Type:	Not Reported	Record Tag:	Not Reported

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

Public Water Supply #:	0600904	Source ID:	001
PW Supply Name:	MCCLLENATHANS MOBILE HOME ESTAT		
Source Name:	DRILLED WELL 1 D=6" 82'DEEP SO END		
Source Description:	Groundwater		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	422708	Longitude:	-791817
Source Prod Capacity:	6840 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	01	Watershed Sub-basin:	05
Treatment Plant ID:	P008	Date of rec Last Update:	19941019
Water Type:	Not Reported	Record Tag:	Existing Record

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest Well.

PWS SUMMARY:

PWS ID:	NY0000360	PWS Status:	Active	Distance from TP:	1 - 2 Miles
Date Initiated:	Not Reported	Date Deactivated:	Not Reported	Dir relative to TP:	North
PWS Name:	DUNKIRK CITY CENTRAL AVENUE DUNKIRK, NY 14048				

Addressee / Facility Type:	System Owner/Responsible Party
Facility Name:	ALTWEIS ROBERT H CITY HALL 4737 WILLOW ROAD DUNKIRK, NY 14048

Facility Latitude:	42 29 58	Facility Longitude:	079 21 16
City Served:	DUNKIRK	Population Served:	Not Reported:
Treatment Class	Not Reported		

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 PENSKEY-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.
D005	BARIUM
D007	CHROMIUM
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.
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

EPA Waste Codes Addendum

Code	Description
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.
K062	SPENT PICKLE LIQUOR GENERATED BY STEEL FINISHING OPERATIONS OF FACILITIES WITHIN THE IRON AND STEEL INDUSTRY (SIC CODES 331 AND 332).
NONE	NONE
P029	COPPER CYANIDE
P029	COPPER CYANIDE CU(CN)
P106	SODIUM CYANIDE
P106	SODIUM CYANIDE NA(CN)
U133	HYDRAZINE (R,T)
U134	HYDROFLUORIC ACID (C,T)
U134	HYDROGEN FLUORIDE (C,T)

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: 703-603-8904

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: 03/31/96

Date Made Active at EDR: 06/03/96

Database Release Frequency: Monthly

Date of Data Arrival at EDR: 04/23/96

Elapsed ASTM days: 41

Date of Last EDR Contact: 11/04/96

ERNS: Emergency Response Notification System

Source: EPA/NTIS

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: 06/30/96

Date Made Active at EDR: 11/05/96

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/19/96

Elapsed ASTM days: 78

Date of Last EDR Contact: 11/27/96

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, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 06/01/96

Date Made Active at EDR: 07/17/96

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/25/96

Elapsed ASTM days: 22

Date of Last EDR Contact: 09/30/96

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: 07/01/96

Date Made Active at EDR: 10/09/96

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/07/96

Elapsed ASTM days: 63

Date of Last EDR Contact: 06/05/96

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Database Release Frequency: Varies

Date of Last EDR Contact: Varies

Date of Next Scheduled EDR Contact: 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

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/96

Date of Next Scheduled EDR Contact: 12/16/96

FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 703-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/30/95

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/96

Date of Next Scheduled EDR Contact: 01/06/97

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: 12/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 10/28/96

Date of Next Scheduled EDR Contact: 01/27/97

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: 02/13/96

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/15/96

Date of Next Scheduled EDR Contact: 01/13/97

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

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

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/25/96

Date of Next Scheduled EDR Contact: 02/24/97

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/21/96

Date of Next Scheduled EDR Contact: 02/17/97

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

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/16/96

Date of Next Scheduled EDR Contact: 12/16/96

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

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/02/96

Date of Next Scheduled EDR Contact: 03/03/97

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

Database Release Frequency: Annually

Date of Last EDR Contact: 09/11/96

Date of Next Scheduled EDR Contact: 12/30/96

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

Database Release Frequency: Annually

Date of Last EDR Contact: 09/16/96

Date of Next Scheduled EDR Contact: 12/16/96

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF NEW YORK ASTM RECORDS:

LUST: Spills Information Database

Source: Department of Environmental Conservation
Telephone: 518-457-2462

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: 06/30/96
Date Made Active at EDR: 09/23/96
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/26/96
Elapsed ASTM days: 28
Date of Last EDR Contact: 10/28/96

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Source: Department of Environmental Conservation
Telephone: 518-457-0747

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: 04/30/96
Date Made Active at EDR: 06/06/96
Database Release Frequency: Annually

Date of Data Arrival at EDR: 05/06/96
Elapsed ASTM days: 31
Date of Last EDR Contact: 12/02/96

SWF/LF: Facility Register

Source: Department of Environmental Conservation
Telephone: 518-457-2051

SWF/LF: Solid Waste Facilities/Landfill Sites. SWF/LF 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: 06/30/96
Date Made Active at EDR: 09/23/96
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/12/96
Elapsed ASTM days: 42
Date of Last EDR Contact: 11/12/96

UST: Petroleum Bulk Storage (PBS, CBS, MOSF) Database (UST)

Source: Department of Environmental Conservation
Telephone: 518-457-4351

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: 09/30/96
Date Made Active at EDR: 12/18/96
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/18/96
Elapsed ASTM days: 30
Date of Last EDR Contact: 11/04/96

STATE OF NEW YORK NON-ASTM RECORDS:

AST: Petroleum Bulk Storage (AST)

Source: Department of Environmental Conservation
Telephone: 518-457-4351

AST: Registered Aboveground Storage Tanks.

Date of Government Version: 09/30/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/04/96
Date of Next Scheduled EDR Contact: 02/03/97

SPILLS: Spills Information Database

Source: Department of Environmental Conservation
Telephone: 518-457-2462

SPILLS: Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 06/30/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/28/96
Date of Next Scheduled EDR Contact: 01/27/97

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NEW YORK COUNTY RECORDS

CORTLAND COUNTY:

6Cortland County UST Listing (AST)

Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 09/13/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/96
Date of Next Scheduled EDR Contact: 12/09/96

Cortland County UST Listing (UST)

Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 09/13/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/96
Date of Next Scheduled EDR Contact: 12/09/96

NASSAU COUNTY:

NCPHO Article XI Database (AST)

Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 09/01/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/10/96
Date of Next Scheduled EDR Contact: 12/09/96

NCPHO Article XI Database (UST)

Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 09/01/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/10/96
Date of Next Scheduled EDR Contact: 12/09/96

ROCKLAND COUNTY:

Petroleum Bulk Storage Database (AST)

Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 09/18/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/96
Date of Next Scheduled EDR Contact: 12/09/96

Petroleum Bulk Storage Database (UST)

Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 09/18/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/96
Date of Next Scheduled EDR Contact: 12/09/96

SUFFOLK COUNTY:

Underground Storage Tank Database (AST)

Source: Suffolk County Department of Health Services
Telephone: 516-854-2521

Date of Government Version: 03/01/96
Database Release Frequency: Annually

Date of Last EDR Contact: 09/09/96
Date of Next Scheduled EDR Contact: 12/09/96

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Database (UST)

Source: Suffolk County Department of Health Services
Telephone: 516-854-2521

Date of Government Version: 03/01/96
Database Release Frequency: Annually

Date of Last EDR Contact: 09/09/96
Date of Next Scheduled EDR Contact: 12/09/96

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.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

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.

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

APPENDIX E
REGULATORY AGENCY FILE INFORMATION

SELECTED CHAUTAUQUA COUNTY
DEPARTMENT OF HEALTH FILE INFORMATION

AIR POLLUTION -
MARSH VALVE
DUNKIRK

August 20, 1971

MARSH VALVE COMPANY
307 Brigham Road
Dunkirk, New York 14048


Dear Sir:

This Department has made several field visits to your plant on Brigham Road, Dunkirk, New York in recent weeks. It has been observed that a land filling operation is being conducted as a means of disposing waste sand from your plant. This process, as it is presently done, creates a nuisance to local residents as the sand is being blown into homes and yards.

In order to alleviate the problem and prevent a possible health hazard, it is suggested by this Department that the existing sand which is exposed to the air be covered with earth backfill and that backfilling with earth become an integral part of future landfill operations where waste sand is involved.

Your attention in this matter will be appreciated. Should you have any questions or comments regarding the above matter please do not hesitate to contact this office.

Very truly yours,



Anthony T. Voell, P.E., Director
Environmental Health Services

ATV/jr

CHAUTAUQUA COUNTY DEPARTMENT OF HEALTH

NUISANCE COMPLAINTS

exhaust fumes

Town of _____

W.O. Number 500 D Day

~~XXXXXX~~ of Dunkirk

Date Complaint Received July 21, 1971

By Norma Gervaise

Complainant's Name Charles Poland (Building Inspector)

Address 366 - 6730

Phone _____

Subject of Complaint Marsh-Valve Co. on Brigham Rd. Dunkirk, blowing
fumes[?] and sand into air.

Complaint Directed to Chautauqua County Department of Health

Investigated By Douglas A. Day Date Investigated 7-22-71

Nature of Violation Talked with neighbor - main complaint was driveway Dust
+ blowing sand from filling operation in back lot of Plant.

8-19-71: Re-investigated - Sand (black) still out back, not covered

Name & Address of Violator by back fill, very fine + dry, letter sent to Marsh Va

Circumstances/Conditions Marsh Valve Plant Shut Down till Aug 1, 1971

Recommendations (Investigator) Cover Sand with top soil.

Recommendations (Senior Sanitarian) _____

Additional Comments _____

NEW YORK STATE DEPARTMENT OF HEALTH

INDUSTRIAL WATER USE AND WASTE WATER DISPOSAL PRACTICES SURVEY

1. Name of Establishment Marsh Valve Co
2. Mailing Address 307 Brigham Rd
3. Plant Address 307 Brigham Rd
4. Location of Plant City, town, or village (circle) Chaut County
5. Number of employees 50 Average 60 — 110 Maximum
6. Months Plant Operated (circle) JAN FEB MAR APR MAY JUN JUL AUG SEPT OCT NOV DEC
7. Number of days plant operated per week 5 Normal 5 1/2 Peak
8. Number of hours plant operated per day 8 Normal 9 Peak
9. Manufacturing Process or service Mfg. Radiator and Mill Supply
Bronze Valves from Raw Material to Finished Product

10. Raw Materials	Quantities	Primary Products	Quantities
1. <u>Bronze Ingots -</u>	<u>6000 to 8000 lbs</u>	<u>Radiator Valves</u>	<u>800 per day</u>
2.			
3.			

11. Water Sources

- a. Public Water Supply (Municipal or
- ~~Private~~
-)

Name of Water Supply Co. Waukegan Water Dept

- b. Plant's surface water intake (rivers, lakes, etc.)

Name of river, lake, etc. Lake ErieLocation of intake Outside of Harbor

- c. Plant's ground water source (wells, springs, etc.)

- d. Other sources of water (quarries, mines, etc.)

Name and location _____

Gallons per day	
average	maximum
<u>4,000</u>	<u>10,500</u>
<u>None</u>	
<u>None</u>	

12. Source of Aux. Fire Protection

Sprinkler System

13. Briefly describe treatment of incoming water by your company and indicate whether

or not water is treated for reuse

Water is used directly from meter to cool air compressor and for testing purposes and is not reused.

(over please)

14. Incoming water analysis performed by plant None Frequency _____

Water Use and Recirculation

Purpose of Water Intake	Water Use		Water Recirculation	
	Gallons per day		Gallons per day	
	Average	Maximum	Average	Maximum
Potable				
Process				
Cooling	8000	8500	None	
Other <u>Distilling</u>	1000	1500	none	

16. Type of Waste
- | | Process A | Process B | Process C | Cooling Water | Sanitary Sewerage | Total Plant Waste |
|---|--------------|--------------|-----------|---------------|-------------------|-------------------|
| 17. Origin of Wastes | compressor | Distilling | | ✓ | Sanitary | Over All Plant |
| 18. Description of Waste | clear | clear | | Heated | Sanitary | |
| 19. Average Volume of Waste Water, gallons/day | 8000 | 1000 | | | | |
| 20. Waste treated yes or no (If yes, answer question #22) | No. | | | | | |
| 21. Where waste water is discharged: | | | | | | |
| To Sewers | Quincy | Quincy | | | Quincy | Quincy |
| Name of Municipality | Sewer System | Sewer System | | | Sewer System | Sewer System |
| To Local Watercourse | | | | | | |
| Name of River/Lake | none | none | | | none | none |
| To Land incl. ground water (Describe) | none | none | | | none | none |
| Other (Describe) | | | | | | |
22. Briefly describe waste water treatment by types of waste (Question No. 20) None
Use additional sheets for supplementary information and sketches
23. If discharge is to watercourse, give location of discharge None

24. Waste Water analysis performed by plant None Frequency _____

25. Indicate any future water requirements

None

26. Remarks

Name

Michael A. Vandotte

Telephone Number

366-6363

Title

Plant Superintendent

Date

8-21-70

Do not write below this line--to be completed by Health Authority

Drainage Basin

Topo Map Name

Map No.

Name of Survey

Local Health Office

Receiving Waters:

Surface (1)

Index

(2)

Index

Ground (1)

Mileage Coordinates

(2)

Mileage Coordinates

tion II

Explanation of Plant Process

The Bronze Billet is purchased and introduced into crucibles in several oil-fired furnaces for melting. When the metal reaches the required temperature, the crucible is pulled and brought into the foundry proper for pouring into sand molds.

The cooled castings are then shaken from their molds and sent to the grinding room for cut-off, grinding and cleaning. The rough castings are then brought to the machine shop where they are machined complete and sent into the assembly department. Here, they are assembled into valves, hydrostatically tested, and are then ready to be boxed and shipped to our customers.

STATE OF NEW YORK
DEPARTMENT OF HEALTH
DIVISION OF AIR RESOURCES

Official Use Only

PROCESS, EXHAUST AND VENTILATING SYSTEM EMISSIONS

Source

No. 5 Firm Name Marsh Valve Company Report Date 9-13-71

Use this completed form or equivalent with Environmental Analysis Report. See
100.2, Guides for Preparation of Environmental Analysis Report.

Process, exhaust or ventilating system producing emission (describe)

Exhaust fan for venting gas or fumes produced in bronze
melting process via oil-fired furnaces.

- 2 Process weight or emission rate potential, whichever is applicable (show calculation
and describe how determined)

Process weight= 35 heats per day at 200 lbs. metal per heat
= 7,000 lbs. bronze melted per day.

Emission rate potential=

1.2 lbs./ton x 875 lbs./hr.=.51 lbs./hr.

- 3 Gas cleaner or treatment device, describe and specify efficiency (overall and
fractional, where applicable)

NONE

4. Air contaminant emissions to outer air (list by contaminant name and indicate whether contaminant is (s) solid, (l) liquid, or (g) gas).

<u>Contaminant</u>	<u>Quantity (lb/hr)</u>	<u>Contaminant</u>	<u>Quantity (lb/hr)</u>
<u>Zink Oxide</u>	<u>.51</u>		

Describe method for determining emissions Based on loss of material weight
calculated by: "Initial weight less emerging rate."

5. Air or gas flow rate

If cyclic, SCFM/cycle _____, hrs/cycle _____, cycles/yr _____ color _____

If continuous, SCFM 22,000, hrs/day 8, days/yr 242 color gray

6. Physical characteristics of emission point

a. gas temperature at point of discharge 120 °F.

b. inside dimensions of outlet 36 in.

c. height above ground 25 ft.

7. Fuel (complete if fuel used as a process constituent)

a. Coal Type _____ lbs/hr _____ %Sulfur by Wgt. _____

b. Oil Grade #2 fuel GPM 77 %Sulfur by Wgt. .13%

c. Gas Type _____ Cu. ft/hr _____

8. Is this a new or existing source? Existing

9. If existing, has an environmental rating been certified for this emission source? Yes

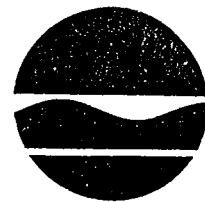
10. If yes, give "E" number assigned E 690262

RECEIVED

FEB 24 1972

CHAUTAUQUE COUNTY
DEPT. OF HEALTH

SELECTED NYSDEC DIVISION OF
HAZARDOUS WASTE REMEDIATION
FILE INFORMATION



Thomas C. Jorling
Commissioner

August 16, 1993

Mr. William de la Cerda
Marsh Valve Company
P.O. Box 111
Dunkirk, NY 14048

Dear Mr. de la Cerda:

Marsh Valve Company
307 Brigham Road
Dunkirk, NY

The Department received your letter, dated August 2, 1993, by fax, on August 2, 1993, indicating the shaky financial condition of the Marsh Valve Company and presenting your assessment of the contamination on the Marsh Valve Company site.

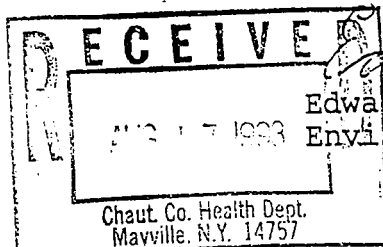
The Department is concerned about this site because the Chautauqua County Health Department received an analytical report, dated September 8, 1988, from Acts Testing Labs, Inc., which stated "the sample does exhibit the Hazardous Waste Characteristics of EP Toxicity Metals for Lead".

Your August 2, 1993 letter indicates that Marsh Valve Company is unable, at this time, to perform the work necessary to determine the extent of the contamination on this site.

The Department, pursuant to its authority under Environmental Conservation Law (ECL) Section 27-1309, will proceed with the investigation of this site and will be entering the subject property on or after August 30, 1993, to perform the tasks discussed at our meeting on May 31, 1990.

If you have any questions or comments on the above, please call me at (716)851-7220.

Very truly yours,



Edward J. Feron, Jr., P.E.
Environmental Engineer II

EJF:sz

cc: Mr. Earl Barcomb - Albany
Mr. Steven Johnson - Chautauqua County Health Department ✓

Marsh Valves

DE LA CERDA CORPORATION'S
Marsh Valve Company 307 Brigham Road
P.O. Box 111 Dunkirk, N. Y. 14048 (716) 366-6362

August 2, 1993

Mr. Edward J. Feron, Jr., P.E.
Environmental Engineer II
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203

RE: Marsh Valve Company
307 Brigham Road
Dunkirk, NY 14048

Dear Mr. Feron:

This is in reply to your July 15, 1993 letter relating to Marsh Valve's suspected contamination at this facility.

To review the reason for the suspected contamination please remember that the charge of illegal dumping was filed against Marsh Valve not by any concerned neighbor but by the United Steelworkers Union State Director. This was done as an intimidation and coercion tactic against our company to put us out of business because we were unable to meet the Union demands during our January to May 1988 contract negotiations. Then, after the union went on strike and we still could not meet their demands, the State Director, through his organization, filed a complaint which was processed by the County Environmental Agency and eventually got to your level.

We have attempted to cooperate with your request and have made good faith efforts to meet your requirements relating to sampling plans. But that has created an economic burden on our company.

We contacted and met with Empire Soils Corporation but found that their fees (similar to those of other consultants) were beyond our financial capabilities - especially in light of the effects of the strike.

If you will remember, we committed to retain a consultant to execute the sampling plan if we were able to obtain financing for that project. Financing for that purpose or for other working capital requirements has not been made available to us by any bank because of the related effects of the strike and the downturn of the economy.

Eventually, on September 4, 1991 we had to file for protection from creditors through Chapter 11. In November 1992, we were converted to Chapter 7. Through the benevolence of our creditors, we are allowed to continue to operate until a buyer can be found.

(Continued on Page 2.)

Manufacturers of quality valves since 1910.

However, Having a suspected site on our property will make this business more difficult to sell.

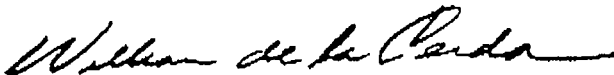
Mr. Feron, if you could see this site you will find vegetation growing on it. We are talking about a 3/4 - acre triangular piece of land adjacent to our operating premises which has not been used for dumping foundry sand for many years.

It is our opinion that if the site were environmentally hazardous, the community would have complained many years ago.

It is unfortunate that a law which is intended to improve and help the community was used for destructive purposes by the union.

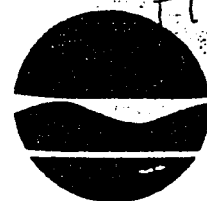
We will continue to cooperate with your agency as best as we can.

Very truly yours,



William de la Cerda
President

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202



Thomas C. Jorling
Commissioner

May 7, 1990

Mr. William de la Cerda
Marsh Valve Company
P.O. Box 111
Dunkirk, New York 14048

Dear Mr. de la Cerda:

Marsh Valve Company
307 Brigham Road
Dunkirk, New York

On September 22, 1989, we met at the NYSDEC Region 9 office, at your request, to discuss your proposal to investigate a suspected hazardous landfill at the above site. The attendees at the meeting were:

William de la Cerda - Marsh Valve Company
Neal Gustafson - Marsh Valve Company
Cameron O'Connor - NYSDOH
Abul Barkat - NYSDEC
E. James Feron - NYSDEC

At the meeting, we discussed the need for more sampling to confirm the EP Tox tests results which you reported in your proposal as well as additional sampling to characterize the remainder of the site. We also gave you a suggested sampling plan and schedule.

You agreed to engage a consultant to prepare a work plan for completing the suggested sampling work. We gave you a list of environmental consultants who have worked for NYSDEC and a list of analytical laboratories which have performed environmental analyses for NYSDEC.

Since we have received nothing from Marsh Valve Company which would indicate their progress towards the completion of the sampling work plan. I strongly suggest you contact this office on or before May 18, 1990 to inform us of the company's intent in this matter. If you fail to resolve this matter, then this Department will have no choice but to pursue investigation of this site.

You may contact me at 716/847-4585 with your intentions regarding this matter.

Very truly yours,



Edward J. Feron, Jr., P.E.
Senior Sanitary Engineer

EJF:vam

cc: Mr. Martin L. Doster
Mr. Cameron O'Connor
Mr. Walt Demick

MWD
5-10-90

Marsh Valves

Marsh Valve Company 307 Brigham Road
P.O. Box 111 Dunkirk, N. Y. 14048 (716) 366-6362

April 24, 1989

Mr. Kevin R. Hintz, P.E.
Senior Sanitary Engineer
New York State Department of Environmental Conservation
600 Delaware Avenue
Buffalo, N.Y. 14202

Re: Landfill
Your letter dated April 10, 1989

Dear Mr. Hintz:

This will confirm last week's commitment to you on our behalf by our consultant, Mr. Anthony Voell, which informed you that we intend to cooperate with your department by performing the required investigation to determine if we, in fact, do have a hazardous landfill on our company's property. Mr. Voell is the consultant we have retained to help us attend to this matter.

Since your concerns were based on the results of one test, we are in the process of developing a plan to investigate further and determine the area affected, if any, and to characterize its contents.

We will be submitting a proposal for your approval before June 1, 1989 as requested in your April 10, 1989 letter.

If you have any questions in this regard, please call me at (716) 366-6362.

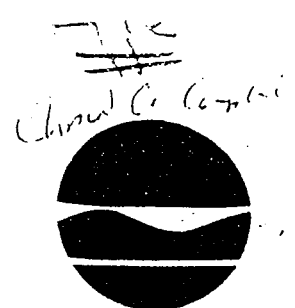
Very Truly Yours,



William de la Cerda
President
Marsh Valve Company

cc: Mr. Neal F. Gustafson
Mr. Anthony T. Voell, P.E.
Mr. David Flynn, Phillips, Lytle, Hitchcock, Blaine & Huber

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202



Thomas C. Jorling
Commissioner

TO: File
FROM: Kevin Hintz
SUBJECT: Marsh Valve, Dunkirk

DATE: April 5, 1989

Meeting with Mike Vendette of Chautauqua County Health Department and Mr. Gustafson of Marsh Valve to discuss their illegal landfill, which contains hazardous waste according to a 1988 sampling of their foundry waste. The foundry waste has excessive lead.

Historical Background

1918 - Marsh Valve and foundry company - started at the original site.

Five years ago present owner took over. deLaCenta Corporation is owner. Business name is Marsh Valve.

Two and one half years Mr. Gustafson has been with them. He can't know when filling began. Since his employ has only put 1 1/2 yd in the fill out back.

The entire plant proper was probably filled and is above the surrounding grade.

Most waste in the fill areas - 100 x 100, is core butts (fine material is recycled). Also balls of bentonite deposited on site. Vegetation growing on the fill.

Sample of waste which was tested was taken from area of fill where waste had been dumped recently.

Nonferrous foundry - casting three grades of brass.

Brass - contain various amounts of lead, 85 brass (5% lead)

Tumbling operating fines goes to baghouses. 2 - 55 gallon drums generated in past 2 1/2 years. Grinding waste is recycled.

Always have been making brass valves at this facility.

Waste also used for general fill material throughout the area in past.

Currently, waste is piled outside next to building. Within the next 30 days, Marsh Valve must submit to this Department a program for determining the extent of landfilling and to characterize the contents of the landfill (hazardous or nonhazardous).

Marsh Valve is concerned about the expense of our request. It could put this marginal operation out of business.

cc: Lt. Johncox
Joseph Ryan

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202 (716)847-4585



Thomas C. Jorling
Commissioner

March 20, 1989

Mr. Neal Gustafson
Marsh Valves
307 Beigham Road
Dunkirk, NY 14048

Dear Mr. Gustafson:

4/28/89
KH
Is the something
that N.Y. can take care of?
RJM Sure!
Sure!
[Signature]

Illegal Landfill

The Department has been informed by the Chautauqua County Health Department that you are operating an illegal landfill on your property. Please be advised that you are in direct violation of Part 360 as you do not possess a permit to operate. Therefore, you are directed to immediately cease operation of your landfill. In addition, all hazardous waste shall be disposed of at a hazardous waste facility.

Finally, would you please contact this Department to arrange for a meeting to discuss closure of your landfill. I look forward to your call.

Very truly yours,

[Signature]
Kevin R. Hintz, P.E.
Senior Sanitary Engineer

KRH:jd

cc: Mr. Robert Mitrey ✓
Mr. Robert Wozniak

New York State Department of Environmental Conservation

MEMORANDUM

Robert Mitrey
Kevin Hintz
Illegal Landfill

March 17, 1989

Attached is a report from Mike Vendette of the Chautauqua County Health Department on an illegal disposal site. Testing of the foundry sand indicates that it is hazardous - leachable lead of 7.8 ppm. I have asked Mike Vendette to start a referral. Immediate action is also needed. I will advise the generator to cease disposal immediately. Please advise of any other steps you wish to be taken.

KRH:jd
Attachment

NAME

MARSH VALVE

DEC SPILL#

LOCATION

307 Brigham Rd Dunkirk

TEL. 366-636

DATE TIME

INFORMATION

07/13/88

Mr. William de la Cerda owner since Oct. 1984

Neal Gustafson manager plant has 13 employees

Mr. de la Cerda telephoned to inform this department that his company was having labor unrest and they were going to turn in the company for an illegal dump site behind the building. He requested that I make an inspection and inform him if he had any violations to correct. Several days later the president of the union called to report a violation.

07/13/88

Mr. Gustafson took me on a plant tour and explained that in January of this year he had to move and dispose of a pile of spent sand and cores. He stated that he dumped the material on company property where previous dumping had taken place.

Mr. de la Cerda explained that he did not know he required a permit for the dumping area was established when he bought the plant.

I explained permitting procedures and that I would contact solid waste in Buffalo.

Mr. de la Cerda provided me with a MSDS on the sand.

(OVER)

NAME MARSH VALVE

DEC SPILL#

LOCATION 307 Briham Rd Dunkirk

TEL- 366-6362

DATE TIME

INFORMATION

The dump area was level with coals, metal, and wood visible.

Black Sand, old fence posts, cores, wood, and some metal were found at the site.

Mr. Gustafson stated that at one time the material had be trucked away by someone.

0726

I contacted Neal Gustafson and informed him that he would need to sample the waste material. Ep tox, Heavy Metals, Phos

ACTS TESTING LABS, INC.

25 Anderson Road • Buffalo, N.Y. 14225-4906 • Tel: (716) 897-3300 • Fax: (716) 897-0876

TECHNICAL REPORT 8-2242E
P.O. # V-NEAL

September 8, 1988

MARSH FOUNDRY COMPANY

SUBJECT:

Hazardous Waste evaluation of one sample for EP Toxicity - Metals and Leachable Phenols received on August 16, 1988 and identified as "1 CAN DUMP SITE SAMPLE".

INTRODUCTION:

The sample was evaluated for the Hazardous Waste Characteristics of EP Toxicity - Metals only as defined in Title 40, Code of Federal Regulations, Part 261. EP Toxicity analysis was conducted according to "Test Methods for the Evaluation of Solid Waste Physical/Chemical Methods", EPA SW-846.

The Phenols concentration was determined according to procedures listed in "Standard Methods for the Examination of Water and Wastewater", 14th Edition, 1975.

RESULTS:

See Table I.

EXECUTIVE SUMMARY:

The sample DOES EXHIBIT the Hazardous Waste Characteristics of EP Toxicity Metals for Lead.

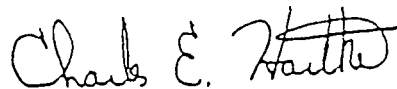
ACTS TESTING LABS, INC.



Elmer K. Gerbracht
Technical Director

/sms

ACTS TESTING LABS, INC.



Charles E. Hartke
Chemistry Laboratory Manager

RECEIVED SEP 15 1988

Our reports and letters are for the exclusive use of the client to whom/which they are addressed. Communication of ACTS Testing Labs, Inc. reports and letters to any others and/or use of the name of ACTS Testing Labs, Inc. requires our prior written approval. Our letters and reports are limited solely (i) to standards and procedures identified in them and (ii) to the sample(s) tested. Test results are not necessarily indicative nor representative (i) of the quality of the lot from which the sample was taken or (ii) of apparently similar or identical products. Unless otherwise stated, it is the responsibility of the client to insure the representativeness of the samples submitted to ACTS Testing Labs, Inc. for testing.

New York City Laboratory: 120 West 41st Street, 3rd Floor • New York, N.Y. 10036 • Tel: (212) 302-6780 • Fax: (212) 302-5424

RESULTS:A) IGNITABILITY (261.21)

Not Requested

B) CORROSIVITY (261.22)

Not Requested

C) REACTIVITY (261.23)

Not Requested

D) EP TOXICITY (261.24)

	<u>DUMP SITE SAMPLE</u>	<u>BLANK</u>	<u>EPA Limit</u>
Arsenic	LT 0.002	LT 0.002	5.0
Barium	0.2	LT 0.1	100.0
Cadmium	0.08	LT 0.01	1.0
Chromium	LT 0.01	LT 0.01	5.0
Lead	7.8	LT 0.1	5.0
Mercury	LT 0.002	LT 0.002	0.2
Selenium	LT 0.002	LT 0.002	1.0
Silver	0.22	LT 0.01	5.0

LT = Less Than

EP Toxicity results are reported as milligrams of contaminant per liter of leachate.

E) LEACHABLE PHENOLS

	<u>DUMP SITE SAMPLE</u>
Leachable Phenols	0.019

Result is reported as milligrams per liter of leachate

Brigham Rd

PLANT

core SAND +
c or FIL.

PARKING AREA

New dumping area Jan. of 88

(core sand, old coves, pots, some
metal.)

previous dump site

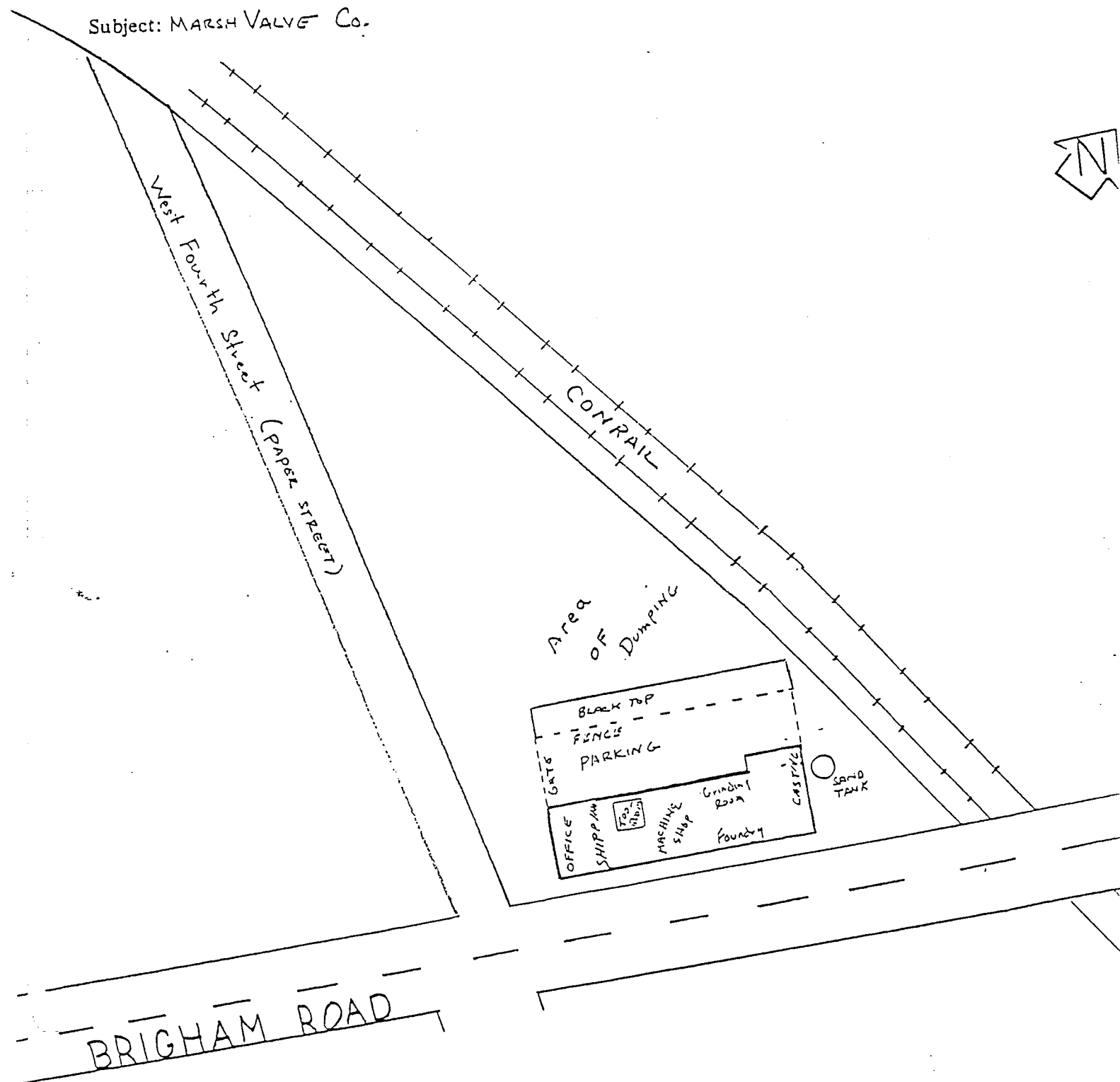
existing over several years

Chautauqua County
DEPARTMENT OF HEALTH
MEMORANDUM

To: File

From: M. Vendette

Subject: MARSH VALVE Co.



1" = 100'

CHAUTAUQUA COUNTY TAX MAP NUMBERS

LOT. 12
NIA. MOHAWK
CORP.

WEST

124

RR

CONRAIL RAIL ROAD RR
SEC. 4 BLOCK 7 LOT. 1



SECTION 50
BLOCK 1

125

+ 1
+ 2.5

De La Cerda Corp.
55 Hazeltine Ave.
Jamestown, N.Y. 14701
(MARSH VALVE)
SEC. 50 BLK. 1 LOT. 1

E294,000

JOHN AND + ESTER
CALLAHAN 3
159 W. 4th. St.
DUNKIRK 150'

SYLVIA AND
ETAL 2 JARUS.
401 BRIGHAM
100'

HAROLD E 11 AND MARY
JO-RUSCH
411 BRIGHAM RD.
175'

126
MARSH VALVE
307-315 BRIGHAM ROAD
235'

BRIGHAM ROAD

1" = 100'

ALL DUNKIRK SCHOOL DISTRICT

NEW YORK

CITY OF DUNKIRK

City - Town - Village

Section No. 50

83 parcels

SHELL SANDS

RESIN COATED SANDS

4195 BRADLEY ROAD, P. O. BOX 5000, CLEVELAND, OHIO 44101

MATERIAL SAFETY DATA SHEET

Product Name and Synonyms: SHELL SANDS RESIN COATED SANDS

Manufacturer's Name: SHELL SANDS INC.
Address: 4195 BRADLEY ROAD
CLEVELAND, OHIO 44109
Phone No. (216) 661-4000

Chemical Name and/or Family or Description: RESIN COATED SANDS

Product is Classified as: NOT HAZARDOUS

Warning Statement: CONTAINS SILICA SAND. MAY BE HARMFUL IF SWALLOWED OR ALLOWED TO CONTACT SKIN OR EYES.

OPERATIONAL CONTROL PROCEDURES:

PROTECTIVE EQUIPMENT (Type)

EYES: SAFETY GLASSES WITH SIDE SHIELDS.

SKIN: ELBOW LENGTH GLOVES RECOMMENDED.

INHALATION: IF NO LOCAL MECHANICAL EXHAUST VENTILATION IS PROVIDED, APPROVED BREATHING APPARATUS MUST BE USED.

VENTILATION: LOCAL MECHANICAL EXHAUST VENTILATION SHOULD BE PROVIDED TO PREVENT TOXIC EXPOSURE AND IRRITANT EFFECTS.

PERMISSIBLE CONCENTRATIONS:

AIR: RESPIRABLE QUARTZ - VARIABLE (See 29CFR 1910.1000)

EMERGENCY AND FIRST AID PROCEDURES

FIRST AID:

EYES: FLUSH EYES WITH LARGE QUANTITIES OF WATER: CONTACT MEDICAL PHYSICIAN.

SKIN: REMOVE CONTAMINATED CLOTHING; WASH SKIN THOROUGHLY WITH SOAP AND WATER; SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION: CONTACT MEDICAL PHYSICIAN.

INHALATION: REMOVE AFFECTED INDIVIDUAL TO FRESH AIR; IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION; CONTACT MEDICAL PHYSICIAN.

LEGEND: N.D. - NOT DETERMINED N.A. - NOT APPLICABLE
NAIF - NO APPLICABLE INFORMATION FOUND < LESS THAN
> GREATER THAN

RECEIVED APR 6 4 1988

TOXICOLOGICAL EFFECTS:

PROD

RESIN COATED SANDS

WAYS OF EXPOSURE

ES: MAY CAUSE REDNESS AND IRRITATION OF EYES.
SKIN: MAY CAUSE IRRITATION AND DERMATITIS.

RESPIRATORY SYSTEM: PHENOL AND AMMONIA VAPORS DURING CORE AND MOLD MAKING OPERATIONS MAY CAUSE DIZZINESS, HEADACHES, AND RESPIRATORY IRRITATION. CARBON MONOXIDE AND PHENOL VAPORS DURING METAL POURING AND SHAKEOUT OPERATIONS MAY CAUSE HEADACHES AND BLURRED VISION.

OTHER: PROLONGED EXPOSURE TO DUST MAY CAUSE DELAYED LUNG INJURY (SILICOSIS).

OVEREXPOSURE MAY CAUSE LUNG FIBROSIS. PRE-EXISTING RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

CANCER HAZARD: OVEREXPOSURE MAY CREATE CANCER RISK. THIS MATERIAL HAS BEEN LISTED BY NTP, IARC OR OSHA AS A SUSPECTED HUMAN CARCINOGEN.

SENSITIZATION PROPERTIES:

SKIN: YES

RESPIRATORY: YES

LETHAL DOSE (LD₅₀ LC₅₀) (SPECIES)

LD₅₀ = 40 gm/kg (RATS - ALBINO)

SKIN: NAIF
NAIF
NONE

SKIN INDEX, ESTIMATION OR IRRITATION (SPECIES)

NAIF
NAIF

SKIN: NAIF

FLAMMABILITY INFORMATION

P. F. N.A.

FLASH POINT F. (METHOD) N.A.

POINTS % LOWER N.A.

UPPER N.A.

INVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION: CARBON MONOXIDE, PHENOL, AMMONIA, FORMALDEHYDE, HYDROGEN CYANIDE, AND HYDROCARBONS, INCLUDING BENZO (A) PYRENE.

FIRE EXTINGUISHING AGENTS AND SPECIAL PROCEDURES:

CO₂, DRY CHEMICAL, FOAM OR WATER; NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED.

HAZARDS: NONE

ENVIRONMENTAL PROTECTION

PRODUCT: RESIN COATED SANDS

WASTE DISPOSAL METHOD: DISPOSE OF IN A LAND FILL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PROCEDURES IN CASE OF BREAKAGE OR LEAKAGE:

SWEEP SPILLED MATERIAL TOGETHER AND SHOVEL OR VACUUM INTO APPROPRIATE WASTE CONTAINER.

PRECAUTIONARY LABEL:

AVOID BREATHING DUST FROM THIS PRODUCT. PROLONGED EXPOSURE TO DUST MAY CAUSE DELAYED LUNG INJURY (SILICOSIS).

REQUIREMENTS FOR TRANSPORTATION, HANDLING & STORAGE:

AVOID SKIN CONTACT OR INHALATION OF DUST. PROLONGED OR FREQUENTLY REPEATED CONTACT MAY CAUSE DERMATITIS OR SKIN SENSITIZATION.

DOT HAZARD CLASS (IF APPLICABLE):

NON-HAZARDOUS

CHEMICAL AND PHYSICAL PROPERTIES

BOILING POINT (°F) N.A.

VAPOR PRESSURE N.A. (mmHg)

SPECIFIC GRAVITY 2.65 (H₂O=1)

VAPOR DENSITY N.A. (AIR=1)

APPEARANCE AND ODOR TAN TO WHITE COLORED SAND; NO ORDER

OF UNMILITED PRODUCT: N.A.

SOLUBILITY: SLIGHTLY SOLUBLE IN WATER

PERCENT VOLATILE BY VOLUME: N.A.

EVAPORATE: N.A.

POLYMERIZATIONS DO OCCUR

OTHER: NONE

REACTS VIOLENTLY WITH:

(IF OTHERS ARE CHECKED BELOW, SEE ADDITIONAL COMMENTS ON PAGE 4 FOR FURTHER DETAILS)

WATER

HEAT

STRONG OXIDIZERS

OTHERS

NONE OF THESE

HAZARD:

PRESENTING A SIGNIFICANT HAZARD:

PHENOL (CAS #108-95-2)

<1.0

QUICKSAND (CAS #14808-60-7)

VARIABLE

HARMFUL COMPONENTS:

PHENOLIC NOVOLAK RESIN (CAS #9003-35-4)

HEXAMETHYLENETETRAMINE (CAS #100-97-0)

G. C. Behrens, President

April 20, 1985

March 22, 1988

THIS DATA HAS BEEN COMPILED FROM SOURCES WHICH THE COMPANY, IN GOOD FAITH, BELIEVES TO BE AVAILABLE AND IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE. THE COMPANY CANNOT MAKE ANY WARRANTY OR REPRESENTATION AS TO THE COMPLETENESS OF THE DATA AND ASSUMES NO RESPONSIBILITY FOR ANY LOSS OR FOR ADVISING YOU REGARDING THE

SELECTED NYSDEC DIVISION OF AIR
RESOURCES FILE INFORMATION

Source Management System
DataList Report

Facility ID - 0634000187

OCCUPATION FACILITY

NAME - MARSH FOUNDRY
ADDRESS - 307 BRIGHAM RD
CTV - DUNKIRK ZIP - 14048
TITLE V - NOX RACT - VOC RACT -
PGM CDE -

CLASSIFICATION - B INDUSTRIAL
SIC - 3494
FACILITY REP - NEAL GUSTAFSON
AGENCY CODE -
EMISSION CLS -

EMISSION POINT

EMISSION UNITID - U00001

AGENCY CODE -

00001

PC ISSUE - CO ISSUE - 11/1/95
PC EXPIR - CO EXPIR - 11/1/99
DNA - ACTION - 13

SYSTEM CHECK -
COMPLIANCE STATUS - C
CONFIDENTIAL INFO -
INSPECTION STATUS - 8

CHANGE DATE - 8/1/96

INSP DATE - 4/10/96

UTM(E) - 143 ELEV - 610 STK HT - 10 VELOCITY - 95.69 TEMP - 70
UTM(N) - 712.5 DIAM - 8 HT ABOVE - 5 FLOW RATE - 2000

PROCESS UNIT

Equipment ID -

START DATE 1/1/65

RULE(S) - 212.00 AND

99

SOURCE CODE - 1103

HRS/DY - 8 OP BY SEASON - 25 25 25 25

PRIMARY SCC -

DAYS/YR - 250

SECONDARY SCC -

PROCESS DESCRIP

GRINDING EXCESS SAND FROM MOLDS

CONTROL EQUIPMENT

TYPE - 8 Fabric Collector
MFG - PANGBORN 2CD1413

INST. DATE - 1/1/65
USEFUL LIFE - 20

DISP. METHOD - 2

CURRENT EMISSIONS

CAS - NY075-00-0 INPUT - 0
NAME - PARTICULATES UNITS - --
RATING - B

(LBS/HR)
ACTUAL - .02
UNITS - 20 GRAINS/DSCF
PERMIS - .15

% CONT - 99
ACTUAL - .31

(LBS/YR)
ACTUAL - 620
POWER - 0
PERMIS - 5143

SPECIAL CONDITION

NONE

EMISSION POINT

EMISSION UNITID - U00002

AGENCY CODE -

00002

PC ISSUE - CO ISSUE - 11/2/90
PC EXPIR - CO EXPIR - 11/1/95
DNA - ACTION - 13

SYSTEM CHECK - E
COMPLIANCE STATUS - X
CONFIDENTIAL INFO -
INSPECTION STATUS - 8

CHANGE DATE - 8/1/96

INSP DATE - 10/29/90

UTM(E) - 143 ELEV - 610 STK HT - 10 VELOCITY - 53.1 TEMP - 70
UTM(N) - 712.5 DIAM - 12 HT ABOVE - 5 FLOW RATE - 2500

PROCESS UNIT

Equipment ID -

START DATE 1/1/65

RULE(S) - 212.00 AND

99

SOURCE CODE - 1103

HRS/DY - 8 OP BY SEASON - 25 25 25 25

PRIMARY SCC -

DAYS/YR - 250
SECONDARY SCC -

PROCESS DESCRIP

GRINDING BRASS CASTINGS

CONTROL EQUIPMENT

TYPE - 6 Centrifugal(Dry)
MFG - CUSTOM

INST. DATE - 1/1/65
USEFUL LIFE - 20

DISP. METHOD - 6

CURRENT EMISSIONS

CAS - NY075-00-0 INPUT - 0
NAME - PARTICULATES UNITS - --
RATING - B

(LBS/HR)
ACTUAL - .066
UNITS - 20 GRAINS/DSCF
PERMIS - .15

% CONT - 75
ACTUAL - 1.41

(LBS/YR)
ACTUAL - 2820
POWER - 0
PERMIS - 6429

SPECIAL CONDITION

NONE

EMISSION POINT

EMISSION UNITID - U00003

AGENCY CODE -

00003

PC ISSUE - CO ISSUE - 11/1/95
PC EXPIR - CO EXPIR - 11/1/99
DNA - ACTION - 13

SYSTEM CHECK -
COMPLIANCE STATUS - C
CONFIDENTIAL INFO -
INSPECTION STATUS - 8

CHANGE DATE - 8/1/96

INSP DATE - 10/29/90

UTM(E) - 143 ELEV - 610 STK HT - 35 VELOCITY - 23.86 TEMP - 120
UTM(N) - 712.5 DIAM - 16 HT ABOVE - 5 FLOW RATE - 2000

PROCESS UNIT

Equipment ID -

START DATE 8/1/73

RULE(S) - 212.00 AND

99

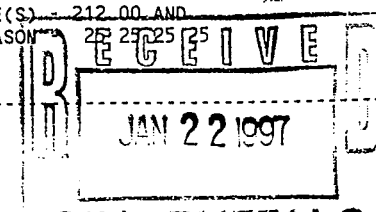
SOURCE CODE - 3105

HRS/DY - 8 OP BY SEASON - 25 25 25 25

PRIMARY SCC -

DAYS/YR - 250
SECONDARY SCC -

PROCESS DESCRIP



Source Management System
DataList Report

```
*
*   * GAS OR OIL FIRED CRUCIBLE FURNACES
*   * USED FOR BRASS MELTING
*-----*
* CONTROL EQUIPMENT*
*   * TYPE - 99 MFG - *** NO CONTROL EQUIPMENT ***
*-----*
* CURRENT EMISSIONS *
*   * (LBS/HR) (LBS/YR)
*   * CAS - 01314-13-2 INPUT - 0 ACTUAL - .157 ACTUAL - 314
*   * NAME - ZINC OXIDE (FUME) UNITS - -- UNITS - 1 LBS/HR POWER - 0
*   * RATING - PERMIS - 0 ACTUAL - .157 PERMIS - 0
*-----*
*   * CAS - 01317-38-0 INPUT - 0 ACTUAL - .606 ACTUAL - 1212
*   * NAME - COPPER OXIDE UNITS - -- UNITS - 1 LBS/HR POWER - 0
*   * RATING - PERMIS - 0 ACTUAL - .606 PERMIS - 0
*-----*
*   * CAS - NY075-00-0 INPUT - 389 ACTUAL - 0 ACTUAL - 0
*   * NAME - PARTICULATES UNITS - LBS/HR UNITS - 1 LBS/HR POWER - 0
*   * RATING - B PERMIS - .977 ACTUAL - 0 PERMIS - 1954
*-----*
* SPECIAL CONDITION*
*   * NONE
*-----*
* MISSION POINT * EMISSION UNITID - U00004 AGENCY CODE -
*   * PC ISSUE - CO ISSUE - 11/1/90 SYSTEM CHECK - E
*   * PC EXPIR - CO EXPIR - 11/1/95 COMPLIANCE STATUS - X
*   * DNA - ACTION - 13 CONFIDENTIAL INFO -
*   * INSPECTION STATUS - 8 INSP DATE - 10/29/90*
*-----*
*   * UTM(E) - 143 ELEV - 610 STK HT - 35 VELOCITY - 26.3 TEMP - 120
*   * UTM(N) - 712.5 DIAM - 16 HT ABOVE - 5 FLOW RATE - 2200
*-----*
* PROCESS UNIT * Equipment ID - START DATE 8/1/73 RULE(S) - 212.00 AND
*   * 99 SOURCE CODE -3105 HRS/DY - 8 OP BY SEASON - 25 25 25 25
*   * DAYS/YR - 250
*   * PRIMARY SCC - SECONDARY SCC -
*-----*
* PROCESS DESCRIP *
*   * GAS OR OIL FIRED CRUCIBLE FURNACES
*   * USED FOR BRASS MELTING
*-----*
* CONTROL EQUIPMENT*
*   * TYPE - 99 MFG - *** NO CONTROL EQUIPMENT ***
*-----*
* CURRENT EMISSIONS *
*   * (LBS/HR) (LBS/YR)
*   * CAS - 01314-13-2 INPUT - 0 ACTUAL - .157 ACTUAL - 314
*   * NAME - ZINC OXIDE (FUME) UNITS - -- UNITS - 1 LBS/HR POWER - 0
*   * RATING - PERMIS - 0 ACTUAL - .157 PERMIS - 0
*-----*
*   * CAS - 01317-38-0 INPUT - 0 ACTUAL - .606 ACTUAL - 1212
*   * NAME - COPPER OXIDE UNITS - -- UNITS - 1 LBS/HR POWER - 0
*   * RATING - PERMIS - 0 ACTUAL - .606 PERMIS - 0
*-----*
*   * CAS - NY075-00-0 INPUT - 389 ACTUAL - 0 ACTUAL - 0
*   * NAME - PARTICULATES UNITS - LBS/HR UNITS - 1 LBS/HR POWER - 0
*   * RATING - B PERMIS - .977 ACTUAL - 0 PERMIS - 1954
*-----*
* SPECIAL CONDITION*
*   * NONE
*-----*
* EMISSION POINT * EMISSION UNITID - U00005 AGENCY CODE -
*   * PC ISSUE - CO ISSUE - 11/1/90 SYSTEM CHECK - E
*   * PC EXPIR - CO EXPIR - 11/1/95 COMPLIANCE STATUS - X
*   * DNA - ACTION - 13 CONFIDENTIAL INFO -
*   * INSPECTION STATUS - 8 INSP DATE - 10/29/90*
*-----*
*   * UTM(E) - 143 ELEV - 610 STK HT - 5 VELOCITY - 68.3 TEMP - 85
*   * UTM(N) - 712.5 DIAM - 8 HT ABOVE - 5 FLOW RATE - 1430
*-----*
* PROCESS UNIT * Equipment ID - START DATE 8/1/73 RULE(S) - 212.00 AND
*   * 99 SOURCE CODE -3105 HRS/DY - 8 OP BY SEASON - 25 25 25 25
*   * DAYS/YR - 250
*   * PRIMARY SCC - SECONDARY SCC -
*-----*
* PROCESS DESCRIP *
*   * THIS SKIMMING PROCESS REMOVES THE SLAG
*   * COVER AN INERT COHESIVE MATERIAL USED
*   * TO KEEP THE MOLTEN METAL COVERED ONCE
*   * THIS COVER IS REMOVED THE EMISSIONS
*   * FROM THE MELTING OF BRASS ARE RELEASED
*   * THE ENTIRE MELTING PROCESS IS EXHAUSTED
*   * BY 3 FANS
*-----*
```

Source Management System
DataList Report

```

*****
* CONTROL EQUIPMENT*
* TYPE - 99 MFG - *** NO CONTROL EQUIPMENT ***
*****

* VENT EMISSIONS*
* (LBS/HR) (LBS/YR)
* CAS - 01314-13-2 INPUT - 0 ACTUAL - .038 ACTUAL - 76
* NAME - ZINC OXIDE (FUME) UNITS - -- UNITS - 1 LBS/HR POWER - 0
* RATING - PERMIS - 0 ACTUAL - .038 PERMIS - 0
*
* CAS - 01317-38-0 INPUT - 0 ACTUAL - .152 ACTUAL - 304
* NAME - COPPER OXIDE UNITS - -- UNITS - 1 LBS/HR POWER - 0
* RATING - PERMIS - 0 ACTUAL - .152 PERMIS - 0
*
* CAS - NY075-00-0 INPUT - 97 ACTUAL - 0 ACTUAL - 0
* NAME - PARTICULATES UNITS - LBS/HR UNITS - 1 LBS/HR POWER - 0
* RATING - 8 PERMIS - .244 ACTUAL - 0 PERMIS - 488
*****

* SPECIAL CONDITION*
* NONE
*****

* EMISSION POINT
* EMISSION UNITID - U00007 AGENCY CODE -
* PC ISSUE - CO ISSUE - 11/1/86 SYSTEM CHECK - E CHANGE DATE - 4/15/96
* PC EXPIR - CO EXPIR - 11/1/90 COMPLIANCE STATUS - X
* DNA - ACTION - 13 CONFIDENTIAL INFO -
* INSPECTION STATUS - 8 INSP DATE - 3/9/84
*
* UTM(E) - 143 ELEV - 610 STK HT - 10 VELOCITY - 10.6 TEMP - 70
* UTM(N) - 712.5 DIAM - 24 HT ABOVE - -10 FLOW RATE - 2000
*****

* PROCESS UNIT
* Equipment ID - START DATE 10/1/81 RULE(S) - 212.00 AND
* SOURCE CODE -2408 HRS/DY - 8 OP BY SEASON - 25 25 25 25
* DAYS/YR - 250
* PRIMARY SCC - SECONDARY SCC -
*****

* PROCESS DESCRIP
* TO VENT FUMES PRODUCED IN MAKING
* SHELL SANDMOLDS VIA AUTOMATIC MOLDING
* MACHINE
*****

* CONTROL EQUIPMENT*
* TYPE - 99 MFG - *** NO CONTROL EQUIPMENT ***
*****

* CURRENT EMISSIONS*
* (LBS/HR) (LBS/YR)
* CAS - 00108-95-2 INPUT - 0 ACTUAL - 14.5 ACTUAL - 28
* NAME - PHENOL UNITS - -- UNITS - 2 10-3 LBS/HR POWER - -3
* RATING - 8 PERMIS - 14.5 ACTUAL - .014 PERMIS - 28
*
* CAS - 01336-21-6 INPUT - 0 ACTUAL - 6.34 ACTUAL - 12
* NAME - AQUA AMMONIA UNITS - -- UNITS - 2 10-3 LBS/HR POWER - -3
* RATING - 8 PERMIS - 6.34 ACTUAL - .006 PERMIS - 12
*
* CAS - 07631-86-9 INPUT - 0 ACTUAL - 2.11 ACTUAL - 4
* NAME - SILICA UNITS - -- UNITS - 2 10-3 LBS/HR POWER - -3
* RATING - A PERMIS - 2.11 ACTUAL - .002 PERMIS - 4
*****

* SPECIAL CONDITION*
* NONE
*****

* EMISSION POINT
* EMISSION UNITID - U00008 AGENCY CODE -
* PC ISSUE - CO ISSUE - 11/1/95 SYSTEM CHECK - CHANGE DATE - 8/1/96
* PC EXPIR - CO EXPIR - 11/1/99 COMPLIANCE STATUS - C
* DNA - ACTION - 13 CONFIDENTIAL INFO -
* INSPECTION STATUS - 8 INSP DATE - 10/29/90
*
* UTM(E) - 143 ELEV - 610 STK HT - 4 VELOCITY - 68 TEMP - 90
* UTM(N) - 712.5 DIAM - 11 HT ABOVE - 5 FLOW RATE - 2694
*****

* PROCESS UNIT
* Equipment ID - START DATE 9/1/81 RULE(S) - 212.00 AND
* SOURCE CODE -3105 HRS/DY - 5 OP BY SEASON - 25 25 25 25
* DAYS/YR - 250
* PRIMARY SCC - SECONDARY SCC -
*****

* PROCESS DESCRIP
* EXCEL CLOSE CAPTURE SYSTEM USED TO VENT
* EMISSIONS PRODUCED IN THE POURING OF
* MOLTEN BRASS INTO SAND MOLDS
*****

* CONTROL EQUIPMENT*
* TYPE - 99 MFG - *** NO CONTROL EQUIPMENT ***
*****

* CURRENT EMISSIONS*
* (LBS/HR) (LBS/YR)

```


Source Management System

Data List Report

```
* CAS - 01314-13-2 INPUT - 0 ACTUAL - .003 ACTUAL - 93
* NAME - ZINC OXIDE (FUME) UNITS - -- UNITS - 20 GRAINS/DSCF % CONT - 0 POWER - 0
* RATING - PERMIS - 0 ACTUAL - .074 PERMIS - 0
*
* CAS - 01317-38-0 INPUT - 0 ACTUAL - .013 ACTUAL - 367
* NAME - COPPER OXIDE UNITS - -- UNITS - 20 GRAINS/DSCF % CONT - 0 POWER - 0
* RATING - PERMIS - 0 ACTUAL - .294 PERMIS - 0
*
* CAS - NY075-00-0 INPUT - 0 ACTUAL - 0 ACTUAL - 0
* NAME - PARTICULATES UNITS - -- UNITS - 20 GRAINS/DSCF % CONT - .0001 POWER - 0
* RATING - B PERMIS - .05 ACTUAL - 0 PERMIS - 1443
```

SPECIAL CONDITION*

* NONE

```
*****
* EMISSION POINT * EMISSION UNITID - U00009 AGENCY CODE -
* 00009 * PC ISSUE - CO ISSUE - 11/1/95 SYSTEM CHECK -
* * PC EXPIR - CO EXPIR - 11/1/99 COMPLIANCE STATUS - C
* * * ACTION - 13 CONFIDENTIAL INFO -
* * DNA - INSPECTION STATUS - 8 INSP DATE - 10/29/90*
*
* UTM(E) - 143 ELEV - 610 STK HT - 28 VELOCITY - 42.8 TEMP - 80
* UTM(N) - 712.5 DIAM - 42 HT ABVE - 2 FLOW RATE - 24700
*****
```

```
* PROCESS UNIT * Equipment ID - START DATE 8/1/80 RULE(S) - 212.00 AND
* 99 * SOURCE CODE -3105 HRS/DY - 2 OP BY SEASON - 25 25 25 25
* * * DAYS/YR - 250
* * PRIMARY SCC - SECONDARY SCC -
*****
```

```
* PROCESS DESCRIP *
* * POURING OF MOLTEN BRASS INTO SAND MOLDS
*****
```

```
* CONTROL EQUIPMENT*
* * TYPE - 99 MFG - *** NO CONTROL EQUIPMENT ***
*****
```

```
*****
* CURRENT EMISSIONS * (LBS/HR) (LBS/YR)
* * CAS - 01314-13-2 INPUT - 0 ACTUAL - .009 ACTUAL - 10.5
* * NAME - ZINC OXIDE (FUME) UNITS - -- UNITS - 21 GRAINS/100DSCF % CONT - 0 POWER - 0
* * RATING - PERMIS - 0 ACTUAL - .021 PERMIS - 0
*
* * CAS - 01317-38-0 INPUT - 0 ACTUAL - .039 ACTUAL - 42
* * NAME - COPPER OXIDE UNITS - -- UNITS - 21 GRAINS/100DSCF % CONT - 0 POWER - 0
* * RATING - PERMIS - 0 ACTUAL - .084 PERMIS - 0
*
* * CAS - NY075-00-0 INPUT - 0 ACTUAL - 0 ACTUAL - 0
* * NAME - PARTICULATES UNITS - -- UNITS - 21 GRAINS/100DSCF % CONT - .0001 POWER - 0
* * RATING - B PERMIS - 5 ACTUAL - 0 PERMIS - 2500
*****
```

```
* SPECIAL CONDITION*
* * NONE
*****
```

```
*****
* EMISSION POINT * EMISSION UNITID - U00010 AGENCY CODE -
* 00010 * PC ISSUE - CO ISSUE - 11/1/95 SYSTEM CHECK -
* * PC EXPIR - CO EXPIR - 11/1/99 COMPLIANCE STATUS - C
* * * ACTION - 13 CONFIDENTIAL INFO -
* * DNA - INSPECTION STATUS - 8 INSP DATE - 10/29/90*
*
* UTM(E) - 143 ELEV - 610 STK HT - 28 VELOCITY - 42.8 TEMP - 80
* UTM(N) - 712.5 DIAM - 42 HT ABVE - 2 FLOW RATE - 24700
*****
```

```
*****
* PROCESS UNIT * Equipment ID - START DATE 8/1/80 RULE(S) - 212.00 AND
* 99 * SOURCE CODE -3105 HRS/DY - 1 OP BY SEASON - 25 25 25 25
* * * DAYS/YR - 250
* * PRIMARY SCC - SECONDARY SCC -
*****
```

```
* PROCESS DESCRIP *
* * POURING OF MOLTEN BRASS INTO SAND MOLDS
*****
```

```
* CONTROL EQUIPMENT*
* * TYPE - 99 MFG - *** NO CONTROL EQUIPMENT ***
*****
```

```
*****
* CURRENT EMISSIONS * (LBS/HR) (LBS/YR)
* * CAS - 01314-13-2 INPUT - 0 ACTUAL - .004 ACTUAL - 2.63
* * NAME - ZINC OXIDE (FUME) UNITS - -- UNITS - 21 GRAINS/100DSCF % CONT - 0 POWER - 0
* * RATING - PERMIS - 0 ACTUAL - .01 PERMIS - 0
*
* * CAS - 01317-38-0 INPUT - 0 ACTUAL - .019 ACTUAL - 10.5
* * NAME - COPPER OXIDE UNITS - -- UNITS - 21 GRAINS/100DSCF % CONT - 0 POWER - 0
* * RATING - PERMIS - 0 ACTUAL - .042 PERMIS - 0
*
* * CAS - NY075-00-0 INPUT - 0 ACTUAL - 0 ACTUAL - 0
* * NAME - PARTICULATES UNITS - -- UNITS - 21 GRAINS/100DSCF % CONT - .0001 POWER - 0
* * RATING - B PERMIS - 5 ACTUAL - 0 PERMIS - 1250
*****
```

T sday January 21, 1997 8:49:09 AM
Pa 5

Source Management System
DataList Report

* SPECIAL CONDITION* *

* * NONE *

** ** END OF REPORT *****