



**HISTORIC AND CURRENT SITE CONDITIONS REPORT
FORMER SOCONY-VACUUM OIL COMPANY, INC., REFINERY SITE
OLEAN, NEW YORK**

REPORT OF FINDINGS

Prepared for:

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1.0 INTRODUCTION

AMEC Earth & Environmental, Inc. (AMEC) prepared this *Historic and Current Site Conditions Report* regarding the Former Socony-Vacuum Oil Company, Inc. (Socony-Vacuum) refinery site (the Site) located in Olean, New York (see Figure 1-1) on behalf of ExxonMobil Refining & Supply - Global Remediation (ExxonMobil). The Site encompasses various parcels of land located in the northern industrial section of the city (see Figure 1-2).

The Vacuum Oil Company (Vacuum Oil) and the Socony-Vacuum Oil Company, Inc., which were predecessors of the Mobil Oil Corporation and Exxon Mobil Corporation, owned all or a portion of the property in question at one point in time. As the New York State Department of Environmental Conservation (NYSDEC) has raised concerns regarding the former Socony-Vacuum Site, an investigation into historic site conditions was initiated to develop information that would provide ExxonMobil with a technical basis for decisions regarding the management of the Site. The objective of this research was to develop an understanding of the physical conditions of the property and areas associated with site processes, laboratories, storage areas, tankage and contents, pipelines, and points and methods of shipping and distribution that were associated with the refinery operations. This report summarizes the historic operations and conditions at the Site from prior to the purchase of the property by Vacuum Oil to a period after the Socony-Vacuum refinery went out of business. The information summarized in this report describes the conditions of the property (past and present) and the operations that Vacuum Oil and Socony-Vacuum maintained during its tenure onsite.

Two separate refineries operated at the location from approximately 1876 to 1902. At that time the two refineries merged to become one under the direction of the Vacuum Oil Company. On July 31, 1931, Vacuum Oil merged with the Standard Oil Company of New York and in 1934, the company changed its name to Socony-Vacuum Oil Company, Inc (TTH, 1986c). At its maximum extent, the refining operations in Olean occupied approximately 115 acres, with a 1,600-foot frontage along the east side of Buffalo Street (see Figure 1-2) (TTH, 1954). This

plant was Socony-Vacuum's principal manufacturing plant and distribution center for an extensive list of specialty products (SVOC, 1950).

The refinery was divided into three sections known as the #1 Works, #2 Works, and #3 Works (see Figure 1-3). Most of the administrative and research areas were located along Buffalo Street, south of the Erie Railroad tracks (#1 Works). The #1 Works property along the tracks contained the central power house as well as the central shops building. The #2 Works was located just northeast of the #1 Works on the southern side of the Erie tracks and contained the bulk oil loading, treating, and storage departments (ORT, 1952). The area north of the Erie tracks and just west of the Pennsylvania Railroad tracks was the #3 Works where most of the initial refining took place after the addition of a two-stage Crude Pipe Still. Currently, the land once occupied by this large refinery remains almost entirely undeveloped with the exception of a few scattered buildings remaining from the Agway-Felmont fertilizer plant operations that utilized much of the former refinery's property from 1964 to 1984, and the Blue Bird Industrial Park located on a portion of the former #3 Works area (see figure 1-4).

North Olean was, and still is, considered the industrial center of the city (NOH, 2006). Research activities also focused on the numerous other industrial companies that surrounded the refinery property in the past and in the present. Many of these factories were unrelated to the oil business and produced such things as acids, spring-beds, boilers, engines, glue, glassware, horseshoes, hubs, leather, mill machinery, soap, shoe-findings, stump machines, shirts, tanners' supplies, wagons, and many others (Mott, 1899).

Recently, the #1 and #2 Works areas were occupied by two companies called Agway and the Felmont Oil Corporation (Felmont) (see Figure 1-4). These two worked together to produce fertilizer. Their operations were shut down in 1984 and have been non-operational ever since. Previous investigations into groundwater and soil contamination attributable to Agway have been done and additional studies are currently being conducted on the former Felmont property.

This report was developed based on research that included the evaluation of a variety of informational sources on the area. A partial list of those sources included:

- Aerial Photographs (historic and present-day);
- Sanborn Fire Insurance Maps (It is noted that only a limited number of Sanborn Maps were available for the Site. Information obtained on the Sanborn Maps suggests that fire insurance maps were not developed for the refinery through commercial means, though the refinery may have developed them for themselves.);
- Personal Interviews;
- Olean Historic and Preservation Society information;
- Cattaraugus County Historical Society information;
- Tax maps;
- Technical and promotional information from Socony-Vacuum Oil;
- The ExxonMobil Historical Collection at the Center for American History, the University of Texas at Austin;
- City of Olean Public Library; and
- Regulatory/Municipal Agencies such as NYSDEC, Olean City Developer's Office, City of Olean Tax Assessor, etc.

A physical survey was made of a section of the perimeter of the Site on February 20, 2006. Photographs from those site visits are included as Appendix A. In addition, Environmental Data Resources, Inc. (EDR) was used to develop reports identifying environmental contamination in the area (Appendix B). Reference materials gathered for this research are located in Appendices C through I.

2.0 SITE LOCATION AND SETTING

The following sections present an overview of the project area, including a general description of the geographic location and ecological characteristics of the former refinery property.

2.1 SITE LOCATION

The Site is located in the City of Olean, Cattaraugus County, New York. The property in question is north of downtown Olean and is situated between Buffalo Street to the west and the Pennsylvania Railroad tracks to the east (see Figure 1-2). The Dresser-Rand property is located directly to the south and east of the Site (see Figure 1-4). Homer Street was the approximate northwestern extent of the refinery. This area of North Olean has a long history of industrial operations, including, but not limited to, petroleum storage and refining, leather tanneries, heavy and light manufacturing, chrome plating, fertilizer manufacturing, and railroad facilities (TVGA, 2003). The Site is currently zoned for industrial use and a mixture of municipal, commercial, service, manufacturing, and industrial facilities characterize the land usage in the nearby vicinity (TVGA, 2005).

The land that was once occupied by the former refinery, now partially labeled as the Agway Industrial Park, currently remains almost entirely undeveloped. Only a few buildings and parking areas remain that were once associated with the former Agway-Felmont fertilizer complex. The fertilizer complex utilized much of the former refinery's property between 1964 and 1984 (see Figure 1-4) (TVGA, 2003).

2.2 TOPOGRAPHY AND DRAINAGE

Olean sits at an elevation of 1450 feet above sea level (asl). Based on an examination of current and historic topographic maps (see Figures 1-1, 2-1, 2-2, and 2-3), the former refinery property sits at or just below 1430 feet asl. The property slopes gently to the south/southwest, changing elevation eventually to 1420 feet asl off-site. Drainage of surface soil during rain events is not

well understood at this time but a large portion of it is believed to infiltrate into the subsurface (TVGA, 2005).

The depth to water in the area is believed to be approximately 20 feet below grade under natural conditions. The estimated direction of groundwater flow is generally to the southwest, towards Two Mile Creek, with a downward vertical component. The Site and surrounding residences and businesses are all serviced by the municipal water supply system that relies on water withdrawn from Ischua Creek, a tributary of Olean Creek located nearly six miles northeast of the Site, as well as that produced from a network of groundwater wells that are located to the east of the former refinery property (TVGA, 2005).

TVGA reported that they identified some catch basins and drainage conveyances on historic facility maps of the project site, however, no such conveyances were physically verified (TVGA, 2005).

2.3 SITE GEOLOGY

Olean is located on the Allegheny Plateau in the Appalachian Mountains (NYSOFT, 2004). The refinery's oil (Pennsylvania crude) was derived from sand's of the Devonian Age, which ranged from 400 to 2,200 feet below ground surface (bgs), and which varied in thickness from 10 to 70 feet. The sand's porosity varied from 10 to 18 percent (SVOC, 1950). The Richburg oil field (55,576 acres) in Allegany County, New York was located approximately 14 miles directly east of Olean. The Bradford oil field (37,563) in Cattaraugus County, New York was located approximately eight miles southwest of Olean. These two oil fields were the principal suppliers of crude oil to the refinery (SVOC, 1950).

The Allegheny Plateau physiographic province extends from Lake Erie in the west to the Catskill Mountains in the east and is part of the larger Appalachian Plateau areas of Ohio, New York and Pennsylvania. The following description was taken directly from a New York State Office for Technology report (NYSOFT, 2004):

“The Allegheny Plateau was formed as a combination of uplift and erosion. The general topographic expression of the Plateau is that of a dissected plateau with areas of high elevation and deep valleys. Relief varies from the relatively rugged topography of the Catskill Mountains in the east, to more moderate relief in the central and western areas.

Surficial deposits cover most of the Plateau with bedrock cropping out occasionally. The surficial geologic deposits covering the Allegheny Plateau are primarily the result of glacial deposition. In order of areal extent, the deposits are predominantly till, followed by diamicton, outwash sand and gravel and kame features. Lacustrine sands, silts and clay, as well as swamp deposits, account for a minor part of the total surficial deposits.

The thickness of the surficial deposits in the Allegheny Plateau varies between 0 and 984 feet. Exceptionally thick surficial geologic deposits are found in the valleys of Chautauqua Lake, and the Cassadaga and Conewango Creeks in the west. Surficial deposits there are between 591 and 984 feet in thickness. Elsewhere on the Plateau, glacial deposits are rarely thicker than 49 feet.

The following surficial deposits make up a minority (<5%) of the total surficial deposits on the Plateau: swamp, lacustrine delta and lacustrine sand. Swamp materials consist of peat-muck, organic silt and sand. They are generally between 6 and 66 feet thick and create potential land instability. Lacustrine beach deposits form a linear pattern along the northwestern edge of the Plateau in the west. They are comprised of coarse to fine gravel and sand, which is stratified and generally well-sorted. Their thickness ranges between 10 and 49 feet.”

2.4 ECOLOGICAL SETTING

As stated in Section 2.1, the former refinery property is mostly undeveloped land, devoid of a large number of permanent structures. It was evident from a Site visit in February 2006 that most of the abandoned property is covered by tall grasses, shrubs and vines, as well as some

portions of manicured lawn. Appendix A displays photographs of the property taken during the Site visit.

The one significant environmental feature that is associated with the former refinery property is that the property is situated along the southern and eastern banks of Two Mile Creek (see Figure 1-2). Two Mile Creek flows in a south and southwest direction and discharges to the Allegheny River. In the vicinity of the Site, the creek is described as a Class D stream. There are no National Wetland Inventory (NWI) Maps available for this area, however, the Site itself is located in the Allegheny-Ohio-Mississippi River drainage basin and parts of the property are locally designated as within Two Mile Creek's 100 year floodplain (see Figure 2-4) (TVGA, 2005).

Olean Creek, another tributary to the Allegheny, is located approximately 0.40 miles east of the Site (see Figure 1-2). A detailed evaluation of the plant and wildlife species identified on the Site was not conducted.

3.0 HISTORY OF REFINERY SITE PRIOR TO 1902

The following sections summarize the information that was developed regarding the history of the Olean refinery facility prior to the merger of Vacuum Oil and Acme Oil Works in 1902. This refinery was started in 1876 when Olean found itself between two oil fields, one located near Limestone, New York, and the other located along Brimmer Brook, 3.5 miles southwest of Wellsville, New York (TTH, 1954). As quoted in The Times Herald (TTH, 1954):

“It was the outgrowth of a frenetic race for more and still more crude oil from the lush and newly-discovered Pennsylvania field, found to extend into southwestern New York State, and for refining capacity to transform the oil into kerosene, then the principal product.”

3.1 EASTMAN REFINERY 1876-1877

William W. Eastman, originally from New Hampshire, relocated to Olean, New York in 1857. In 1861 he erected his first still in Olean. This still was used to produce illuminating oil from crude oil shipped to him in barrels via the railroad line from Venango County, Pennsylvania. After two years, Eastman abandoned the still because the venture proved unsuccessful (TTH, 1954).

Eastman reentered the refining business with his son, J. Cleveland Eastman, in early 1876 by erecting a two-still refinery on the Site, located in the corner bordered by Buffalo Street to the west and the New York, Lake Erie & Western Railroad (later to become part of the Erie Railroad system) tracks to the north (TTH, 1954).

The Eastman plant began producing products from the crude oil that was coming in from the newly-discovered oil fields of Pennsylvania and New York (TTH, 1965). At this time in history, approximately 75 to 80 percent of the crude oil produced in the United States was going into the production of illuminates, principally kerosene. The other 20 to 25 percent of the crude yielded

napthas, such as gasoline, and heavy paraffinic oils which were used as lubricants (SVOC, 1950).

The supply of crude oil for this refinery came from the Tuna Valley through a single pipeline (TTH, 1954). Prior to that, crude oil was transferred from the Tuna Valley, at that time the only oil-producing area in the state, to Olean in barrels aboard railcars on the Erie Railroad or on horse drawn wagons (TVGA, 2003; SVOC, 1950).

Wing, Wilbur & Company purchased the Eastman refinery in the late 1870's and changed the name to the Eclipse Lubricating Oil Company, Ltd (SVOC, 1950).

3.2 ECLIPSE LUBRICATING OIL COMPANY, LTD. 1877-1890

Wing, Wilbur & Company was owned by Abram W. Wing, William O. Wing, and Matson O. Wilbur. At the time of their buying the Eastman Refinery in 1877, they already had a successful refinery operation in Franklin, Pennsylvania (TTH, 1954). After their purchase of the refinery in Olean, they immediately enlarged the stills to a total capacity of between 500 (TTH, 1954) and 685 barrels per day (Chapin, 1889). Soon afterwards, they changed the name from the Wing, Wilbur & Company Works to the Eclipse Lubricating Oil Company, Ltd (Eclipse) (see Figure 3-1) (SVOC, 1950). In the following year, the Eclipse refinery was expanded to the northeast along the Erie Railroad tracks through the construction of another 200-barrel capacity still. Dalzell R. Laughlin also added to the capabilities of the Eclipse plant by selling his adjoining two-still operation to Eclipse sometime around 1877 or 1878 (TTH, 1954). The Acme Oil Company bought out the northeastern portion of the refinery in 1878 and named it the Acme Oil Works (see Figure 3-1) (Adams, 1893; TTH, 1954).

By 1882, Eclipse had six stills reported to contain 155 barrels each and 11 iron tanks (see Figure 3-2) (ONYD, 1882). The Vacuum Oil Company purchased the remaining portion of the Eclipse refinery in 1890. At that point, Eclipse had a total of eight stills (TTH, 1954).

3.3 ACME OIL WORKS 1878-1902

The Acme Oil Company (Acme) owned and operated the Acme Oil Works plant from 1878 until Acme was bought out by the Standard Oil Company of New York in 1893 (TTH, 1954).

3.3.1 Acme Oil Company 1878-1893

In 1878, Acme, which was already operating a refinery in Titusville, Pennsylvania, acquired a single still unit with an agitator and several tanks from the neighboring Eclipse plant, which at that time was operating at about 200 barrels of throughput per day. Acme immediately built another two stills of 500 barrel capacity each. They also constructed three 35,000 barrel tanks for onsite crude oil storage. These were the first large oil storage tanks in the city (TTH, 1954). A year after establishment, Acme was operating 12 more stills, new agitators, pumps, condensers, and tanks for a total capacity of 2,300 barrels a day (see Figure 3-3) (TEH, 1900; TTH, 1954).

In 1880 Acme constructed a barrel factory just south of the Erie Railroad tracks, near where the Socony-Vacuum Oil plant's central shop's area would be constructed later (see Figures 3-1 and 3-4). This factory supplied blue and white receptacles known all over the world for the quality of their contents (usually kerosene) and was named the Acme Barrel Works. Eventually, the Vacuum Oil Company's refinery in Rochester, New York and the Standard Oil Company's refinery in Buffalo, New York were using these barrels. It was reported that the barrel factory was turning out as many as 3,500 oak barrels a day, utilizing nearly 70,000 oak staves and 30,000 pounds of iron hoops over a 24 hour period (TTH, 1954).

A one-story high building with a saw-tooth roof was constructed along with the barrel factory and was referred to as the dry kiln building because it was built to kiln-dry the lumber used in the making of staves and heading. Lumber was stacked onto wood grating which covered all of the floors and dried until it was suitable to use in the barrel making process. The lumber was dried by pumping hot air through trenches under the wood grating and blown up through the grating

with a large fan (Sovac, 1951). These barrels were for storing and transporting finished products only and approximately 2,000 barrels were shipped each day (Adams, 1893; ONYD, 1882).

Prior to 1882, a filling or shipping station was built in support of the barrel factory (see Figures 3-1 and 3-4). This station was used to prepare the barrels for receipt of the oil by spraying the inside with glue and painting the outside and was located just east of the barrel factory (Adams, 1893). This filling station was built near the approximate location of Socony-Vacuum's Central Power House.

With approximately 30 acres (ONYD, 1882) of land now located on both sides of the Erie Railroad tracks, Acme expanded again in 1882 with the erection of five more stills (see Figure 3-5) (TTH, 1954). At this point in time, it was reported that they operated 15 crude stills (600 barrels each); seven tar stills (total capacity of 450 barrels); two steam stills (600 barrels each); forty tanks (total holding capacity of 150,000 barrels); and ten pumps, capable of forcing 9,600 barrels of oil every hour (ONYD, 1882).

At an undetermined period in the 1880's, Acme established an additional 84 iron tanks (capacity of 500 to 35,000 barrels each) for storing products used and produced in the refining process. At that point, there were thirty steam pumps being used for pumping water and product from point to point throughout the plant (Adams, 1893). Five more stills were erected in 1885, after which, their processing capacity increased to 4,600 barrels a day. In 1886, they purchased another adjoining operation started by the Knights of Labor. It consisted of a single still used for refining kerosene (TTH, 1954).

With the increase in the number of stills came an increase in the number of corresponding apparatus such as tanks, agitators, pumps, condensers, loading racks, lines and other miscellaneous items (Adams, 1893). Condensers were constructed of iron and were filled with iron pipe, through which the vapors of the oil were passed during the course of refining. The most important aspect of refining was the distillation process. In order to obtain the desired result, perfect condensation was necessary (Adams, 1893). The condensing tanks around the

pipes were filled with cold water and the refinery at this time was using upwards of 30,000 barrels, and by some accounts 50,000 barrels (TEH, 1900), of water per 24-hour period (Adams, 1893). Although the principal process was distillation, further manipulation was needed beyond this for the purpose of bleaching and purifying the distillates. Caustic lyes and sulfuric acid were utilized in this process (Adams, 1893).

It has been noted that the Acme refinery was converting the crude oil into finished products in approximately 14 days (TTH, 1954). Gasoline, naphtha, water white oil, standard white oil, paraffin oils and others were among these products. One of the products was coke, which was used almost exclusively to make carbon points for electric lights (Adams, 1893). Acme was supplying vast amounts of lubricating oil stock to the Vacuum Oil Company's refinery in Rochester, New York (TTH, 1954) for finishing, packaging, and shipping (Herrick, 1949).

Acme was making a total of ten different products from petroleum at this time (TTH, 1954). These products included pure, deodorized stove gasolines, various grades of naphthas for heating, water white illuminating oils, Standard White Oil (differing grades and qualities), paraffin oil, fuel oil and coke (Adams, 1893; TEH, 1900). Many of these products were shipped to all parts of the world in sailing vessels after having been shipped by rail to Communipaw, New Jersey in barrels. Sixty to 80 barrels of refined products, or in some cases crude oil, would be loaded into each of 50 cattle or rack cars in trains that were supplied by the Erie Railroad for transport to the eastern seaboard shipping points (TTH, 1954). As many as 75 trains were loaded and left Olean each day. The average was 30 trains per day (TEH, 1900). The leading export at the time was branded Royal Daylight. The higher grades of lamp oil produced were branded Pratt's Astral, Crown Acme (recognized as the finest quality), Headlight, and Canadian Astral. In addition, a special grade of white-water oil was produced and called Shot Gun Oil. Crude naphtha was then sold for heating and used in various blendings. Mineral Seal and Mineral Sperm oils were manufactured for use in lighting trains and lighthouses. A product called Fire Still Stock contained wax distillates and fuel oil and was re-run exactly the same as crude oil. The coke and tar at the bottom of the stills amounted to about six percent of the amount of petroleum passing through the stills (Herrick, 1949).

Fires during this time period were frequent. On July 27, 1882 a tank was struck by lightning and 23,000 barrels of benzine burned (DWM, 2006). An explosion and subsequent fire occurred at the plant on May 28, 1886 while employees were trying to fill Still #19. The still had formed a leak and the oil caught fire on the outside. As workers pumped as much of the oil out of the still as possible, the still filled with steam and the gas exploded and blew out the end of the still. There was a fire that burned fast for a few minutes but was extinguished by water within moments (TOD, 1886). Another fire occurred on June 9, 1892 (DWM, 2006).

By 1893, Acme had 32 stills and a daily throughput of nearly 5,000 barrels per day. At that point, the Acme property consisted of 53 acres of land, (part of what would be later referred to as the #2 and #3 Works) and was situated west along the Western New York & Pennsylvania Railroad (later known as the Pennsylvania Railroad) tracks and extended across the New York, Lake Erie & Western Railroad (later known as the Erie Railroad) tracks (see Figure 3-6) (TTH, 1954; Adams, 1893).

3.3.2 Standard Oil Company of New York 1893-1902

The Standard Oil Company of New York (Socony) bought the Acme Oil Company in 1893 and operated the Acme Oil Works plant until Vacuum Oil acquired it on July 3, 1902 (TTH, 1986c SVOC, 1950). Based on the literature that was reviewed, it appears that Socony retained the refinery's Acme Oil Works name.

Only once in the history of the Acme Oil Works refinery did this plant process something other than Pennsylvania crude oil. For a very short time in 1894, Olean received its crude supply from the newly developed Lima oilfield in Ohio. This temporary change was due to the fact that the Lima crude oil was plentiful and cheap (TTH, 1954). It was referred to as "skunk grease" because it had an undesirably high levels of hydrogen sulfide which necessitated the construction of circular stills to remove it (TTH, 1954). These stills were fired through several doors on the circumferences and were equipped with devices that operated paddles inside the stills. With the paddles and the heat, the deodorizing agent, oxide of lead, was mixed into the Lima crude to

sweeten it. Afterwards, the oxide of lead was recovered and restored in the buildings that were to become the chlorex plant and a structure near it that ultimately became known as the compound building (SVOC, 1950). To make room for these new structures, considerable enlargements were found to be necessary and extensive construction began on the northern side of the Erie Railroad tracks. Many of the tanks from this area were floated to other parts of their grounds via canals dug for this purpose (TEH, 1900).

By 1896, The Acme Oil Works plant had expanded to 49 stills, 23 steam boilers, 14 steam engines, 68 steam pumps, 153 tanks, a boiler shop (where repairs were made to stills, boilers and tanks), and a machine shop (TTH, 1954). An acid restoring plant was also erected that year. In 1898, eighteen new tar stills were installed along with condensing and oil tanks, piping and buildings (TEH, 1900). However, a fire on January 22, 1899 destroyed several tanks, stills, and 15 cars (DWM, 2006).

The refining process during this time period was reported to be conducted by first transferring the crude to stills where it was subjected to intense heat for three or four days. These stills could hold approximately 600 barrels each. The vapors arising from the heating process were carried through pipes submerged in cold water. The water was held in the condensing tanks. The vapors circulating through the pipes were condensed into liquid and ran out to the tail house, where the distillates were tested for gravity and then transferred to their final destination (Chapin, 1889).

Depending on the quality of the crude oil that was used, 10 to 20 percent of the distillate that was first passed off was naphtha. Illuminating oil stock then followed. What was remaining in the stills consisted of dark residuum and coke. The distillate was placed in elevated tanks called agitators. The agitation was caused by air being forced up through the bottom of the tanks and this process kept the liquid in a cold boil. This is where it was treated with sulfuric acid and alkali from caustic soda which resulted in bleaching and deodorizing. To render the oil bright and transparent, it was decanted into shallow tanks called bleachers, where it remained for a few hours. At that point, the process was complete (Chapin, 1889).

From the bleaching tanks, the oil was transferred to a storage tank. From there it went to a filling rack, where a whole train of tank cars may be filled at once, or to the filling station, where a row of automatic fillers would distribute the oil into barrels. The steam would stop when the barrel was full (Chapin, 1889).

By 1902, Acme had expanded its operations over an area of approximately 63 acres (TEH, 1900). In that same year, the Acme Oil Works refinery and the adjacent Vacuum Oil Company refinery merged to become one plant.

3.4 VACUUM OIL COMPANY 1890-1902

The Vacuum Oil Company purchased the eight-stills, five boilers and associated tanks of the Eclipse Lubricating Oil Works, Ltd. refinery in 1890, at which point, the majority interest of Vacuum Oil was held by the Standard Oil Company of Ohio which acquired that status in 1879 (CAM, 2006; TEH, 1900). The most likely reason for the purchase was due to the fact that Eclipse was already supplying the Vacuum Oil refinery in Rochester, New York with large quantities of lubricating distillates by tank car (TTH, 1954; Herrick, 1949). Soon after Vacuum took over the refinery in Olean, the capacity of the plant nearly doubled to 1,500 barrels a day in throughput (TTH, 1954; TEH, 1900).

Expansions at the Vacuum refinery included two 275 barrel stills in 1891 and 1892, and the addition of a paraffin wax plant during that same time period (TTH, 1954). The paraffin wax plant operated by initially separating the paraffin oil from the crude, then manipulating it further to make it precipitate the wax which it held in solution. One part of this process required the use of an apparatus designed and built specifically for creating a low degree of refrigeration (TEH, 1900).

In 1894, a 1,400 barrel steam still was erected followed by a second in 1897 and a third in 1898 (TEH, 1900). A chlorex-treating plant was built in 1895 where oil was treated to improve its viscosity index (SVOC, 1950). The years 1897 and 1898 saw the addition of two 400 barrel stills each year, including the additional tanks, condensers and appliances necessary for the

increase in production (see Figure 3-7) (TEH, 1900). A two-story brick office building was erected along Buffalo Street in 1899 (see Figure 3-8) (SVOC, 1950). This building was used as the refinery's main office building until 1954 when the refinery closed down (TTH, 1954). Additionally, large machine, boiler and blacksmith shops were erected around that time as well as several substantial brick structures built for the purpose of enclosing a number of tanks to keep them warm (TEH, 1900).

In 1900, four stills with 400 barrel capacities and four with 275 barrel capacities were built to replace eight smaller stills which were inadequate for the service needed. Because the demands for wax were so great, an additional large filter press and a duplicate refrigerating plant were designed and constructed around the same period (TEH, 1900).

This refinery specialized in lubricating oils of several grades, fuel oil and gasoline, and paraffin wax. The lubricating oils were shipped to the Rochester, New York Vacuum plant. The wax, fuel oils and gasoline were shipped in barrels or tanks from the Olean plant directly to consumers or to various distribution stations (TEH, 1900). Some of the first products that the Vacuum Oil Company marketed were blacking (for harness, boots, shoes, etc.), cylinder oil for steam engines, and coach oil (for lubricating axles) (Pire, UD).

4.0 HISTORY OF THE VACUUM OIL REFINERY 1902-1931

The following sections summarize the information that was collected regarding the use of the refinery property during the period of Vacuum Oil Company ownership (1902 until 1931).

On July 3, 1902, the Vacuum Oil Company merged with the then separately functioning Acme Oil Works plant which was owned by Socony (TTH, 1954). After the merge, the plant was divided by name into three sections. The section previously owned by the Acme Oil Company became known as the #2 and #3 Works. The #2 Works was located south of the Erie tracks and just west of the Pennsylvania tracks. The #3 Works was also located just west of the Pennsylvania tracks but was north of the Erie tracks. The last section, known as the #1 Works was located on the former Eclipse Lubricating Oil property, along Buffalo Street (see Figure 4-1).

From 1879 to 1911, the Vacuum Oil Company was part of the old Standard Oil Organization (Sovac, UD). In 1911 the Standard Oil Organization was dissolved and the Vacuum Oil Company became its own private company (UTD, 1944). The Vacuum Oil Company operated the Olean refinery until 1931 when the Vacuum Oil Company and the Standard Oil Company of New York merged to create the Socony-Vacuum Oil Company, Inc (CAM, 2006; TTH, 1954).

4.1 RAW MATERIALS, TYPES OF PRODUCTS AND CAPACITY

By 1908, the refinery at Olean was reported to be running over 1.5 million barrels of crude oil per year. At that point, in their refining process, the Vacuum Oil Company was using 64,000 tons of coal per year (TTH, 1954). With the exception of the First World War, when the price of the Pennsylvania crude soared to a cost of \$6.10 a barrel and the requirements of the refinery for crude could not be met by the Pennsylvania crude alone, the Vacuum Oil Company used only the crude oil from Pennsylvania, which had a paraffin base (TTH, 1954; UTD, 1944). During that time period, Vacuum Oil shifted to mid-continent crude which had an asphalt base (TTH, 1954) and required an acid treatment. Additionally, tar and pitch stills had to be erected to handle the

base stock (UTD, 1944). After the shift back to Pennsylvania crude in 1927, the refinery shut down the specialized mid-continent crude refining equipment and eventually dismantled it (TTH, 1954; UTD, 1944).

A large brick building with a steel roof was built in 1911 for the purpose of repairing tank cars owned by the company (see Figure 4-2). A lean-to was also assembled in 1912 on the north side of the building. The lean-to housed the repair shops, storehouse, tool room, and office in connection with the car repair operation. Three railroad tracks were present that ran through the building so that cars to be repaired could be brought in from either end and three lines of cars could be worked on simultaneously (Sovac, 1950b).

The car repair shop, which later became the Central Shops building, was located next to the Central Power House (see Figure 4-1). The repairing operation was taken over by the Union Tank Car Company who used this building from about 1913 until 1921. At that time it was decided to build another building of their own on land leased to them by the Vacuum Oil Company and the Pennsylvania Railroad in 1916 (Sovac, 1950b).

Twenty-five shell stills at the plant were used for running crude and for rerunning many stocks (Sovac, UD). To the immediate west of center of these 25 stills, was the location of the #2 Works Pump House. The major portion of this building was still standing when the plant closed in 1954. When it was built, it was customary to use vertical triplex pumps for nearly all transfers. These in turn were generally driven by a steam engine. There was a lean-to on the north side of the pump house which was built primarily to house the gauger's office and the electric light plant which was installed in 1913 (Sovac, UD).

Prior to the installation of this lighting system, the few lights and motors present at the plant were direct current and were run from a D.C. generator driven from the line shaft in the Wax Works. It was decided to convert the refinery to alternating current for safety reasons. The current was distributed from the #2 Works Pump House generators under ground in lead covered cables at 2,200 volts to sub-stations around the plant where it was transformed to 220 and 110

volts for use. The current was 25-cycle to be consistent with what the City of Olean was using at the time. Some of the electricity used at the refinery came from City lines from Niagara Falls and from the City's electric light plant. The lean-to housed the turbines which were switched from a high to a low RPM through reduction gears in the form of oil switches on a switchboard located in the same structure (Sovac, UD).

By the early 1920's, operations that had been handled in the Rochester Vacuum Oil refinery were added to the Olean refinery. These operations included the Percolation Filter Plant, with clay handling, burning, and storage facilities, and all of the transformer oil operations (SVOC, 1950; UTD, 1944). Vacuum Oil erected their first transformer oil unit in Olean in 1918 (SVOC, 1950). A group of five fireproof buildings were devoted to the manufacturing of transformer oil; to the filtering, compounding and blending of lubricant oils; and to preparation, filling and shipping of packages (SVOC, 1950; OEH, 1922). The transformer oil went through rigorous, carefully-controlled tests to determine its dielectric properties to extremely close tolerances before it was shipped out to manufacturers of electrical equipment (SVOC, 1950). Transformer oil from the plant was shipped in tank cars, steel drums, or cans (OET, 1922). As a result, a Compounding, Filling and Shipping Department was formed (UTD, 1944).

At this point in the refinery's history, every section of the plant (#1, #2 and #3 Works) housed their own separate shop buildings. For example, the #1 Works had a carpenter shop, boiler shop, machine shop, and a pipe shop located in what was later to become the Laboratory building (see Figure 4-3) just east of Buffalo Street (see Figure 4-1). Some equipment, such as the cold saw, bulldozer and similar items too large to store in the lab building, were originally housed in a garage between the main office and lab buildings. It was then decided that these shops should be consolidated and relocated in the refinery to eliminate various separate locations throughout the plant (Sovac, 1950b).

The boiler shops, carpenter shops, machine shops, pipe shops and one lead shop, among others, were transferred over to the car-repair building and would then be known as the Central Shops building (see Figure 4-2). By 1924, all of the shops had been transferred. A monorail system

was used within the Central Shops area to serve the machine and pipe shops' need for movement of heavy parts between shops. It also was used to deliver pipe, pumps, and other materials out-of-doors to trucks for loading and also served the pipe rack just south of the pipe shop's southern door. Jib cranes were installed for each machine in the boiler shop in order to be able to sufficiently serve all of the various materials being handled in this area, such as I-beams, plates, dished heads, etc. Vacuum Oil was, at this time, building practically all of its own tanks and vessels, and all structural steel work was fabricated and erected by Vacuum employees (Sovac, 1950b).

At the west end of the boiler shop, the hydraulic press and flange fires were installed. Just out-of-doors from this area, an erecting yard was set aside and was serviced by a Gantry crane used to erect equipment, remove material from freight cars, or service the plate storage racks in order to provide a safe and efficient way of plate removal from the storage yard and transfer to the shops for fabrication (Sovac, 1950b).

The Central Shops also had a centralized foremen's gallery. The space at the eastern end of the tool room and repair shop, which was originally the office of the Union Tank Car Company, was made into the electrician's shop which housed battery chargers and the automatic telephone switchboard (Sovac, 1950b).

The western end of the lean-to, located to the north of the Central Shops building, was arranged to house the blacksmith shop which included three forges, a helve hammer and a steam hammer. A jib crane was installed here to assist with handling of heavy parts. Immediately east of the blacksmith shop was the welding shop divided into an east room, devoted almost entirely to electric arc welding and a west room reserved primarily for acetylene welding. This shop was also served by the monorail system for movement of parts. Between the tool room and welding shop were three additional rooms. One of these rooms served as a tool room for the machine shop, and the other two served as a bathroom and locker room/washroom for the shops' employees (Sovac, 1950b).

The refinery was headquarters for lead work required by the other Vacuum Oil plants' operations. As such, a lead shop was built in order to meet the demands and internal requirements (acid pan houses for concentrating acid and many lead lines around the plant) (Sovac, 1950b).

Near the Central Shops area was a one-story high building with a saw-tooth roof, referred to as the dry kiln building (see Figure 4-1), which used to house the barrel factory. The paint shop was on the west end of the building and the remainder was used for storage for the various mechanical departments (Sovac, 1951).

Prior to the construction of the central boiler house, there were a total of 22 water-tube type steam boilers in the refinery located in three separate boiler houses (Sovac, 1950a). One of these three early boiler houses was a large brick building named the #2 Works Boiler House and would later be used during the war years by Hydrocarbon Research people. This #2 Works Boiler House had a large pump house attached to the south, and an L-shaped wing (containing the #2 Works pipe shop and the #2 Works machine shop) extending to the east just south of that (Sovac, UD).

A metal covered, wooden framed building, located just south of the #2 Works foam building, was utilized as the second of the smaller boiler houses and included a small carpenter shop in the southwest corner. To the west of this building was a long shed, called a still house, which housed several shell stills and sludge stills (Sovac, UD).

A large portion of the Central Power House (or Central Boiler House) was constructed in 1922, including space for three boilers, a portion of the coal bin, the north smoke stack, and a portion of the coal and ash handling machinery (see Figure 4-4). The east crusher and its elevator and the original concrete ash bin were also part of the first section of that boiler house. A large Babcock and Wilcox steam boiler was constructed prior to the erection of the central boiler house in anticipation of the new building. It was stored and operated in the hand-fired boiler house and fired with hand stokers. It was then moved to the central boiler house as soon as the

first two boilers were installed in the new facility. In 1924, the boiler house was expanded westward to include four more boilers on the south side of the firing aisle, the south stack and power wing (Sovac, 1950a). The final additions were made to the building in 1932. This building provided air, steam, and electric power for the entire refinery (ORT, 1952).

The steam was distributed throughout the plant in eight-inch lines all arranged as loops. Each high pressure steam line was equipped with sectionalizing valves for easy replacement if needed. A coal bin was located over the top of the central boiler house, extended 100 feet in length, and held 1,000 tons of coal. This bin was served by two crushers, two elevators and a distributing conveyor over the coal bunker (Sovac, 1950a). The two stacks of the central boiler house were 215 feet high, 20 feet in diameter at the base, and 12 feet in diameter at the top (OEH, 1922).

By 1922, the refinery had more than 400 receiving, working, and storage tanks onsite, along with 78 crude oil storage tanks on the property, with a total estimated storage capacity of 150,000,000 gallons (TTH, 1954).

In 1924, an Ellis Cracking Still was added to the plant (see Figure 4-5) (UTD, 1944). The “cracking” process breaks up heavier hydrocarbon molecules into lighter hydrocarbon molecules. This was immediately followed by a second cracking still in 1925 and a third in 1926 which were called Cross Units. These three units operated continuously until the development of the Catalytic Cracking and the Houdry Process (UTD, 1944). The Cross Cracking Plant included a bubble tower, an evaporating tower and associated piping (SVOC, UD).

In 1927 a P-Oil reducing still was added with a capacity rated at 1,100 barrels a day and a Solution Reducing Still was erected in 1929 with a rated capacity of 2,500 barrels per day (UTD, 1944).

The modern continuous two-stage Crude Pipe Still (see Figure 4-6) was installed in either 1927 (UTD, 1944; SVOC, 1950) or 1928 (TTH, 1986b; ORT, 1952). This still had had a maximum daily throughput of up to 7,250 barrels per day (TTH, 1986b). In 1929, the refinery’s first

cooling towers were erected at the crude still (SVOC, 1950). All the crude coming into the plant would go through the crude still first which would perform the primary distillation of the crude into some of its component parts. The still consisted of an 85 foot tower (see Figure 4-6). The component parts would then be piped to the wax plant (see Figure 4-7), lubricating plant, or grease plant (see Figure 4-8) for further refining (TTH, 1986b). Look boxes were used by a stillman to observe the color and the volume of the products, with the exception of the cylinder stocks and gases, as they were separated. This still only processed 100 percent Pennsylvania crude oil (ORT, 1952). Located next to the still were the control and pump rooms to the north and the asbestos cement building to the south (see Figure 4-9) (SVOC, UD).

At peak production in the 1920's and 1930's, 7,000 barrels of crude were refined each day and 500 tanks were scattered throughout the facility (TTH, 1965). The Olean refinery was turning out lubricating oils of all types, in addition to producing finished gasolines, kerosenes, "white" products and fuel oils. The "white" products were principally illuminants. One specialty product that began distribution in 1927 was called Upperlube (SVOC, 1950). Another product, known as Stove Distillate, was made using most of the kerosene and gasoline (Sovac, UD).

4.2 PROCESSES USED IN REFINERY OPERATIONS

There were seven steam stills, used to re-run Stove Distillate and make straight run gasoline, located to the west of the southern end of the shell stills. Some of these stills had fractioning towers which were used to attempt to improve the overhead product from a shell still. They were 20 to 30 feet high and packed with river gravel or small stones. Others, located on the southern end of this line of stills, contained a heat exchange system consisting of large steel shells supported on top of the condenser boxes, which were also made of steel, and had considerable amounts of cast iron pipe installed inside the shells. The crude entering these stills was pumped through the pipes into the shell stills, and the shells themselves were cut into the vapor line before it entered the condenser box. These structures were called Vorwarmers and may have been introduced to the plant as early as 1902. The condensers on the shell stills originally consisted of shallow wooden boxes containing the coils and were supported on elevated

platforms. The condensers were elevated to permit their discharge to gravitate down to the running room (or tail house), through the look-box, and into the storage tanks (Sovac, UD).

A circular, wrought-iron, type condenser box was also used at this time but they usually rested on the ground. Their wooden tongue and groove floors were calked to reduce leakage. The shell of the tank was caulked to the floor as well using cotton wick and white lead. From 1913 to around 1916, all of the old condenser boxes were replaced with more modern steel condenser boxes erected on concrete or brick piers up to ten feet high (Sovac, UD).

The Foster-Wheeler two-stage crude pipe still unit (see Figure 4-6), erected in the late 1920's, had a capacity of nearly 7,000 barrels per day. In this unit, the Pennsylvania crude received its first break-down into wax distillate, lubricating oil stock and some fuel oil, gasoline, kerosene, and diesel fuels for further processing. The gasoline and fuel oil stock, however, were destined for the Atlas Works' Thermoform Catalytic Cracking unit in Buffalo. This unit replaced approximately 56 shell, or batch, stills. The latter were reported to be 20-30 feet long, about 12 feet in diameter and have individual capacities ranging from 400-1,000 barrels each (SVOC, 1950).

Wax distillates were always re-run in an operation referred to as "cracking" the wax distillate. This, however, was not a true cracking process so much as it was a further re-distillation to increase the accuracy of the fractionation and improve the pressability of the wax (Sovac, UD). Thirty-nine centrifuge units were installed in 1929 in order to remove micro-crystalline wax from the crude oil. The wax was principally used for insulation of electric wire. Prior to this, the wax had been removed by chilling and cold settling the crude. Crystalline wax was produced by pressing and chilling the wax distillate, a system which was continued in the making of wax (SVOC, 1950).

4.3 PRODUCT SHIPMENT AND MODES OF TRANSPORTATION

After completion of the refining process, the Vacuum Oil Company in Olean would relay lubricating oil products and base stocks by tank car to their Rochester refinery for blending transformer oils to meet various requirements. The volume of oil handled at this time over the Olean-to-Rochester 100 mile distance of the Pennsylvania Railroad constituted the largest percentage of the freight carried on this branch line. With the closing of the Rochester refinery in 1930, shipping of these products was redirected to the Atlas Works in Buffalo (SVOC, 1950).

4.4 HISTORIC INDUSTRIAL ACCIDENTS

Historic photographs depict a tank storage fire that was reported to have occurred in 1910. However, the last tank fire in Olean was reported to have occurred in 1930 due to implementation of a new safety system. This system included steel poles that were erected among groups of tanks for lightning protection. When the use of a pole was impractical, the fire hazard was reduced by making the wooden roofs vapor tight and a series of cables were installed, similar to the spokes of a wheel, with the center or hub on the center pole of the tank. No tanks equipped in this fashion were known to have been struck by lightning after the protection system was installed (TTH, 1949). A firefighting chemical called foamite was also created that was used to fight tank fires (SVOC, 1950). It was a chemical powder that was mixed with water to form a thick film used to smother oil fires (TTH, 1930).

5.0 HISTORY OF THE SOCONY-VACUUM OIL COMPANY REFINERY 1931-1954

The following sections summarize the information that was collected regarding the history of the Socony-Vacuum Oil Company, Inc. Olean refinery from 1931 until its closure in the fall of 1954. The refinery was closed at that time due to substantial operating losses that occurred following the end of World War II (Dunham, 1954).

On July 31, 1931, the Vacuum Oil Company and the Standard Oil Company of New York were merged into the Socony-Vacuum Corporation. On May 31, 1934, the company's name was changed to the Socony-Vacuum Oil Company, Inc. (Socony-Vacuum) (TTH, 1986c). The Socony-Vacuum refinery site occupied approximately 115 acres, with a 1,600-foot frontage along the east side of Buffalo Street (see Figure 1-2) (TTH, 1954). This plant was Socony-Vacuum's principal manufacturing plant and distribution center for an extensive list of specialty products (SVOC, 1950).

5.1 RAW MATERIALS, TYPES OF PRODUCTS AND CAPACITY

The Socony-Vacuum's refinery in Olean was their only manufacturing source of tanners' hard greases used for preserving, softening, and otherwise treating leather for all purposes (Olean Refinery, 1953). The production of these greases began at this plant in 1932, with the closing of the Vacuum Oil Company refinery in Rochester, New York. These greases consisted of approximately 60% petroleum wax and the remaining 40% made up of oil from pressed menhaden, fats, tallow, wool grease and hydrofol glycerides, a synthetic type of wax. The grease was shipped from the plant in 11-pound slabs at the rate of several million pounds per year. This operation was the outgrowth of the Vacuum Oil Company's original business involvement in high-quality harness oils and was presumably housed in the Grease Plant (see Figure 4-8) (SVOC, 1950).

A Solvent Treating Plant was also part of the refinery and was established in 1934 for the purpose of removing tar and sludge from the base stocks. Modifications to this plant were for use of different types of solvents or the addition of updated equipment (ORT, 1952).

At one time, the Socony-Vacuum Olean refinery turned out lubricating oils and greases of Pennsylvania-grade quality, waxes, compounded products, and a wide range of specialties (TTH, 1954; Herrick, 1949). They produced over 100 brands of industrial lubricants, including Cylinder and Super Cylinder oils. They also manufactured nearly twenty brands of automotive specialties (Olean Refinery, 1953). Production of specialties began to centralize in the Olean plant around 1934. At that point, approximately 500 cases were being shipped per month. (SVOC, 1950)

The #2 Works area consisted of the bulk oil loading, treating, and storage departments. After the crude was filtered at the Crude Pipe Still, the distillate was treated in the continuous agitators in this section of the plant and the finished products were known as Mobil Kerosene and Diesel Fuels. These departments were also responsible for blending household fuel oil used to heat homes to its proper specifications (ORT, 1952). In 1935, the steam engine for the #2 Works Pump House was replaced by an electric motor. The need for this pump house and the number of pumps it house decreased after the crude still was built and the shell and steam stills were dismantled (Sovac, UD).

Transil Oil is another product that was manufactured at the Olean plant. It was used as a cooling, lubricating, and insulating agent for electricity transformers. Most of the production of the transformer oils was shifted from this plant to the Paulsboro, New Jersey refinery in 1935. This was due to the need for the product to withstand temperatures as low as 40 degrees below zero. The crude oil and synthetics used at the Paulsboro refinery were better able to create transformer oil that met those requirements than the transformer oil made from the Pennsylvania crude at the Olean plant (SVOC, 1950).

The Package and Filling Department was responsible for the compounding and blending procedures. The base stocks were mixed with chemicals according to formula and, after examination and approval from the laboratory; the finished products were filled in either tank car lots or in containers. These containers ranged from one quart cans to 50 gallon drums or barrels. This is where the rail service would remove and replace the tank and box cars (ORT, 1952).

The # 1 Works Area contained the Distillation Department. This department oversaw the fires in the furnaces that normally fractionated distillate and oil-naphtha solutions through their units. The laboratory building housing the lab personnel that inspected samples of all products produced at the plant was also located in the #1 Works area (ORT, 1952).

Wax became one of this refinery's major products around the mid 1940's (SVOC, 1950). With the introduction of Solvent-Dewaxing, a three filter Benzol-Ketone (or by some accounts, a Bezol-Acetone (UTD, 1944)) Dewaxing Plant was added to the plant in 1936 (ORT, 1952) which replaced an eleven chiller and wax press installation (UTD, 1944). This is where wax and petrolatum were removed from the base stocks and oil solutions so that they could meet cold test specifications (ORT, 1952). The plant produced about 12,000 barrels of it in 1949. Most of it went into producing wax emulsions for ceramics, waterproofing materials, tiles, tents, and for general impregnating (SVOC, 1950).

The specialties building, located in the #1 Works Area, opened in June of 1947 and stored and shipped Socony-Vacuum Oil specialty products such as Mobil All-Purpose Cleaner, Mobil Handy Oil, Mobil Hydraulic Brake Fluid, Mobil Hydrotone, Mobilgloss, Mobiltex, Mobil Penetrating Oils, Mobil Radiator Flush, Mobil Radiator Flush Concentrate, Mobil Rubber Parts Lubricant, Sovasuds Cleaner, Sovasuds Car Wash, Mobil Stop Leak, Mobil Upperlube, Mobilwax in cream and in paste form, Sanilac Heavy Duty Non-Rub Wax, Mobil Window Spray, Bugaboo, Sanilac Insect Spray, and Gargoyle Marine Diesel Hydrotone (SVOC, 1950; ORT, 1952; Pire, UD).

Most of these specialty products were created using petroleum in some form, with the exception of Mobil Hydraulic Brake Fluid, which was a synthetic and inorganic solvent. The Mobil Radiator Flush was an acid type introduced in September of 1948. The Mobil Hydrotone was a water solution of corrosion-inhibiting compounds. Mobiltox was an insect spray, most of which was exported to Indonesia (SVOC, 1950).

In 1950, the specialties building installed new machines that enabled production of wooden boxes used for export. This equipment also included a component to wrap the boxes with protective metal bands. By 1954, the plant was shipping 500 cases each day and utilizing 1,800,000 cans of various sizes per quarter and 8,000 one-gallon jugs per month. They filled 104,000 pint bottles and 147,000 quart bottles per month primarily on five high-speed lines which handled containers as small as four ounces in capacity up to five gallons. This operation was entirely automatic, with the feed stock flowing from tanks on the second floor to the filling machines on the first floor. A line for filling 50-gallon drums with specialty products was also located within the building. The four-ounce containers for Upperlube were filled the fastest at 7,200 per hour (SVOC, 1950).

The plant consisted of 131 buildings when it closed in 1954. These buildings included a specialty plant, the chlorex-treating plant, and the main office building on Buffalo Street (see Figure 3-8). In addition, there were 804 tanks of various sizes. The number of tanks had been the same since 1939. Four of those tanks were 80,000 barrels in capacity. Out of those four, one was used to store the base materials from which aromatic oils were produced and used in the refinery. The other three were used for crude-oil storage or to hold partially-refined crude oil to be later relayed to the Atlas refinery in Buffalo, New York (SVOC, 1950).

Before its closing in 1954, the refinery was rated at a capacity of 6,500 to 7,000 barrels of crude oil per day, operating on Pennsylvania crude oil only (TTH, 1954; Wollstadt, 1954). However, the plant was only averaging a throughput of 4,000 barrels a day in 1947 and a mere 2,800 barrels per day in the few months prior to the refinery closing (Wollstadt, 1954).

5.2 PROCESSES USED IN REFINERY OPERATIONS

This refinery was the scene of development of several refinery processes standard in the industry today. These processes included tube-still distillation of crude oil, high-pressure thermal cracking, and the Thermoform kiln process for regenerating the clay used to remove color bodies from lubricating oil stock (SVOC, 1950).

The Olean refinery was the site of the first commercial installation of the Thermoform kiln in February of 1939. Two more Thermoform kilns were installed in 1946 and 1947 (one of them replacing the original unit) (SVOC, 1950). The Thermoform kiln operation was located in the Filtering Department and was responsible for decolorizing the oil by use of a filtering process (ORT, 1952).

Lubricating oils, along with many other oils, required filtration to improve colors and to lower carbon residue. Pennsylvania crude was very stable, making it harder to filter the oil. The solvent-treating process used very little color correction on lubricants made from Pennsylvania crude when compared to similar products made from other types of crude oil (SVOC, 1950). A filter clay that had been used was reactivated through a burning process which removed the impurities collected during the filtering operation (ORT, 1952). The filtering was done in vertical steel tanks which were 30 feet high and ten feet in diameter. Forty four tons of bauxite, or granulated Fullers Earth of 30-60 mesh, was charged into the tanks in order to perform the filtering operation (SVOC, 1950).

Bauxite is denser than clay per cubic foot. Thus it became impossible to fill the filters to the same height as when clay was used because the lugs, beams, and other associated equipment were unable to support the weight (SVOC, 1950). The Fullers Earth was shipped to the refinery from either South Carolina (SVOC, 1950) or Florida (ORT, 1952). Bauxite was shipped from Arkansas in box-cars, bagged or in bulk. They were emptied into the clay bins that were used for the storage of clay. A large assembly of vertical concrete clay bins, for storage of the clay after use and after recovery, was associated with the filters. In order to segregate the used clays, a

large number of bins were necessary. This enabled the refinery to keep a record of the number of times each batch of clay had been used. At one point, six regenerating burnings were considered the maximum amount of burnings with the Fullers Earth. However, with new equipment and improvements made to the technique, by 1950, it was possible to burn or regenerate these clays as many as 50 times or more and still provide a fairly efficient filtering material (SVOC, 1950).

The bauxite was only used for certain products such as petrolatums or lubricating oils because of the increased stability of the oils after such filtering. When bauxite was used in the filtering of wax, the quality of the product was improved. After the color bodies had been extracted from the oil, the filter was washed with naptha to remove recoverable oil that remained in the clay. The clay was then steamed to prevent it from igniting when it was charged to the heat-laden kilns which would regenerate the clay by burning off color bodies. When steamed, the clay passed into a heated hopper over the Thermoform kilns and was fed into the kilns in close proximity to tubes filled with sodium and potassium nitrites in a heavy liquid form. The nitrite liquid in the tubes was lacking in vapor pressure and had a high coefficient of heat transfer. These heat transfer salts, as they were commonly known, were solid at temperatures below 500 degrees Fahrenheit. They removed the heat resulting from the burning of color bodies and carbon from the clay as air was blown into the bottom of the kiln and caused to pass up through the clay. Introduction of the Thermoform kiln reduced the refinery's use of clay from 300 tons per month to less than that per year (SVOC, 1950).

The benzol-ketone process of wax removal employed at the plant consisted of chilling the wax distillate or heavy lube oils (for micro-waxes) after the addition of benzol-ketone. The wax was then filtered out. This system of wax removal was still in use at least until the year 1950 (SVOC, 1950).

The plant generated its own electricity (TTH, 1986b). The plant's requirements for fresh, cold water, which was used in wax production and for condensation in the crude still was met through the use of five wells on the plant's property (TTH, 1986b; SVOC, 1950). Each well pumped at a

rate of 1,500 gallons per minute. An additional 800-900 gallons of water was obtained by nearby surface streams. The water was treated prior to reaching the steam boilers by removing mineral salts and reducing the hardness to zero (SVOC, 1950).

5.3 WASTE WATER TREATMENT

Waste water was directed into three sets of separators, where oil was removed by skimming. When that process was complete, the water was discharged to the Allegheny River (SVOC, 1950).

5.4 PRODUCT SHIPMENT AND MODES OF TRANSPORTATION

The Socony-Vacuum Oil refinery in Olean was served by both the Erie and Pennsylvania Railroad tracks. The specialties department would often use refrigerated rail cars in the summer or heated rail cars (heated with charcoal braziers) in the wintertime for shipment of some of their products, particularly wax emulsions, which were often affected by extreme temperature shifts (SVOC, 1950). Tractor trailers were used as well for transportation of Socony-Vacuum Oil products. Quantities ranged from four ounce jars to 10,000 gallon rail tank cars (TTH, 1986b).

6.0 HISTORY OF THE FORMER REFINERY SITE 1954-1983

The following sections summarize the information that was collected regarding the history of the property from the closing of the Socony-Vacuum Oil refinery in 1954 until the closure of the Agway-Felmont Complex in 1983.

6.1 SWAN FINCH OIL COMPANY OLEAN INDUSTRIES, INC.

In 1954, the refinery was purchased from Socony-Vacuum by a Mr. C. J. Simpson (TTH, 1955). Through a series of stock transactions, Swan Finch Oil Company Olean Industries Inc., a subsidiary of Swan Finch, eventually became the owners (TTH, 1965) and used the refinery tanks for the storage of grain for the Commodity Credit Corporation (TTH, 1955). Approximately 60 tanks and other buildings on the former refinery site were used for this purpose and were capable of holding four to five million bushels. Corn was the first to be stored there and wheat was next. The tanks were cleaned by steam and aeration equipment installed in the tanks. Approximately 30 to 50 carloads of grain were reportedly expected to be unloaded every day (TTH, 1955). In 1958, Swan Finch declared bankruptcy and eventually sold the Olean facility to the Felmont Oil Corporation in 1964. The last of the old refinery tanks were torn down and sold for scraps in the summer and fall of 1964. The last two chimneys, along with many other former facility buildings, were brought down in 1962 (TTH, 1965).

6.2 THE FELMONT OIL CORPORATION 1964-1983

Although the land was purchased by The Felmont Oil Corporation (Felmont) in 1964 (TTH, 1968), construction of their anhydrous ammonia operation at the fertilizer complex did not begin until 1965 (BENB, 1965). They built their plant on a portion of a 60 acre tract that they shared with Agway (see Figure 1-4) (BENB, 1965). Felmont purchased a total of 120 acres that were once home to the Socony-Vacuum Oil refinery. In 1968, they cleared 60 acres of debris, unused buildings, and foundations of unused tanks left over from the oil refinery days (TTH, 1968). Felmont was contracted to supply Agway with anhydrous ammonia and carbon dioxide for its

agricultural nitrogen materials (BENB, 1965). Felmont's portion of the property (primarily the former refinery's #2 Works area) contained an office building and laboratories, a large furnace complex, a compressor building, and a 7,500 ton capacity storage tank (see Figure 6-1). The principal ingredients for the production of ammonia were heated to 1,400 degrees in the furnace before being transported through a complex system of pipes to the compressor building. There, the material was subjected to high pressure by two large Dresser-Clark compressors. The ammonia then would be moved to the storage tank until it was needed by Agway, Inc. At that point, the ammonia would be drawn from the tank and through a pipeline system to the Agway fertilizer plant (TTH, 1967). A majority of this pipeline system and the office building are still in place today (see Figure 1-3 and Appendix A).

An electrical substation that contained several large transformers was located to the northwest of the ammonia plant (TVGA, 2005). Pierose, Inc., which provided general maintenance of both the Away and Felmont plants, also occupied a building on the property to the west of the plant (TTH, 1967). That building is also still intact (see Figure 1-3).

The Felmont ammonia plant produced approximately 240 tons of anhydrous ammonia and 100 tons of food grade carbon dioxide each day. The raw materials or feedstock consisted of natural gas and air. However, seven or more different catalysts were used to strip carbon dioxide. These catalysts were changed out as they became contaminated or depleted during the ammonia manufacturing process. Nickel-based catalysts required disposal at a hazardous waste facility but no mention of where other spent catalysts were disposed of was made. Zeolites were also used by Felmont as a water-conditioning chemical. Used oils from the compressors were reportedly disposed of on site by spreading the oil onto the ground in various areas of the project site (TVGA, 2005).

On January 18, 1976, the Felmont plant experienced an explosion in the shed that housed water-treatment chemicals (TTH, 1979c). On October 27, 1989, another explosion occurred at the Felmont plant. The explosion occurred due to a safety mechanism failing, resulting in a ruptured vessel from extreme pressure. This occurred in a pressure-reducing tank (eighth feet high by five

feet wide) at the plant during an ammonia producing procedure. The New York State Department of Environmental Conservation (NYSDEC), the United States Environmental Protection Agency (USEPA), and the Occupational Safety and Health Administration (OSHA) each conducted their own investigation into this matter (TTH, 1979a). The blast was so severe, it created extensive damage to the Felmont operation and was said to have torn through tanks and pipes that were secured with inch-thick steel and bolts. NYSDEC's Olean office was directed to check the Two Mile Creek for evidence of any fish kill that would indicate the blast resulted in an ammonia leak. They found no evidence of any fish kill in the creek and reported to Olean citizens that there appeared to be no pending danger from the blast (TTH, 1979b).

A storage tank containing 2,700 tons of liquid ammonia was hit with a piece of flying debris from the explosion. The tank was subsequently drained by Felmont in order to determine if the tank sustained damage (TTH, 1979d). While draining the tank, Felmont claimed it was necessary to release some ammonia into the air in order to maintain positive pressure in the tank (TTH, 1979b). Apparently, this method of releasing puffs of ammonia into the air was a common event, especially when it rained, and several surrounding residents complained that they experienced serious eye and nasal problems in addition to ruined gardens and house paint as a result (TTH, 1979c). Despite the residential concern, the NYDEC declared North Olean safe on October 30, after touring the plant and examining the damaged ammonia tank that was struck. The damage was limited to the removal of a ten square foot section of insulation and an indentation in the tank that formed a small hairline fracture. The tank was vented to a flare for safety. The crack in the tank was ordered to be patched with fibrous lead and epoxy (TTH, 1979d).

Felmont had a three acre landfill where foundry waste and tile manufacturing waste were disposed of from 1970-1979. This eventually was listed as a hazardous waste site in 1984 and was suspected to have contaminated surface soil and groundwater (TTH, 1984c). Currently, the Felmont Site is still listed as a hazardous waste disposal site and a small quantity hazardous waste generator in the Federal RCRIS database (EDR, 2006).

Agway contractually purchased Felmont's ammonia plant after Agway's CF Industries suspended operations at the adjacent fertilizer plant in 1983 (TTH, 1984a; TTH, 1984b). Felmont could not continue production after Agway's closure as they were Felmont's sole customer (TTH, 1983b).

6.3 AGWAY 1965-1984

Agway is owned by CF Industries (TTH, 1983b). In 1965, Agway started construction on their portion of the urea fertilizer manufacturing complex by erecting a 160-foot high Urea Prill Tower (see Figure 6-2) (TTH, 1984d). Ammonium nitrate and urea were synthesized to produce urea pills, urea liquid, ammonium nitrate liquid and various nitrogen mixes (TVGA, 2003). Agway stored carbon dioxide in large tanks at the plant and their waste urea was sent to the Putts Farm in the nearby town of Allegany (TTH, 1984c; TTH, 1984f). There, it was spread out over the farmland and plowed under (TTH, 1984c). The Agway and Felmont plants combined required a total of seven million cubic feet of natural gas for daily operations (BENB, 1965).

High natural gas prices were stated as the reason that CF Industries closed the Olean Agway plant (TTH, 1984a). The urea tower was brought down and dismantled in 1984, along with much of the rest of the complex, and sold for scrap (TTH, 1984e). The last two million gallon fertilizer storage tank located northeast of the plant, on land associated with the old Socony-Vacuum refinery, was dismantled in July of 1984 (TTH, 1984d). The Agway-Felmont complex and the Putts Farm were on the states list of hazardous waste disposal sites (TTH, 1984c). They were both removed from this list in 1986 (TTH, 1986a). This site has been largely vacant and underutilized for over a decade, with environmental concerns contributing heavily to its status (TVGA, 2003).

6.3.1 Agway-Felmont Environmental Contamination

In 1979, the United States Geological Survey (USGS) conducted a study at the fertilizer complex and discovered total nitrogen compound levels in groundwater that ranged from 100 ppm to

1,840 ppm (NYSDEC, 2006). From that point on, both Agway and the Felmont Oil Corporation worked to contain the nitrate (NO_3^-) and ammonia (NH_3) contaminated groundwater (TTH, 1985b) underneath 16 acres of their land off Buffalo Street even after they closed operations in 1983 (TTH, 2005a). It was reported that the contamination stemmed from “spills and discharges” from the former fertilizer plant that entered the aquifer (TTH, 1985e). Agway signed a memorandum of agreement in 1983 to continue operation and maintenance of a one million-gallon per day purge well and three other production wells until June 30, 1987 to halt the spread of these nitrogen-containing contaminants in groundwater towards municipal wells located behind St. Francis Hospital. These municipal wells produced a total of 1.5 million gallons of water per day and were approximately one mile away from the Agway-Felmont site (TTH, 1983a). It was reported that if the purging were to stop, traces of nitrogen compounds in the groundwater could reach the wells within a range of four (TTH, 1985e) to twelve years (TTH, 1985b), and in some cases, the ammonia concentrations would be higher than those set as safe for drinking water by the state Health Department (TTH, 1985d). In addition, it was believed that some of the contaminants would migrate off-site in a south/southwesterly direction towards the Allegheny River if only the purge well were operated (TTH, 1983a).

Agway was pumping four million gallons of water daily from beneath the complex into a pipeline that emptied into Two Mile Creek. Agway hired In-Situ, Inc. consultants from Lakewood, Colorado in 1984 to verify that their upper target of 10 parts per million (ppm) of nitrates set by the NYSDEC in the agreement had been reached (TTH, 1984a). The water quality standards for nitrates and ammonia in groundwater and surface water have been established by the NYSDC as 10 ppm and 2 ppm, respectively (NYSDEC, 1999). In 1985, one report claimed that Agway indicated 2.0 ppm was the level of ammonia contamination in the groundwater at the plant (TTH, 1985g).

Because their target for nitrate levels in the signed agreement had been met, Agway stopped pumping operations on October 31, 1984 (TTH, 1985a). They eventually asked NYSDEC to consider early shutdown of the pumping operations along with a monitoring program in 1985 (TTH, 1985e). The U.S. Geological Service (USGS) had been studying the contamination for

years and was to have begun taking measurements before, during and after the pumps were shut off to test an aquifer model they had developed. However, they were not notified of the shut down until two weeks after the fact. Agway was ordered to run the pumps for one month while USGS collected their data (TTH, 1985a). USGS was reported to have suggested in 1985, that according to their model, the nitrate contamination of the well field at St. Francis would return to normal by the year 2009 without further pumping (TTH, 1985c). However, the town officials were much more concerned about the high ammonia levels rather than the nitrate (TTH, 1985f). The town feared that ammonia would combine with chlorine in treated potable water, to form chloramines (TTH, 1985h). Chloramines are suspected to be carcinogenic (TTH, 1985i).

Agway was ordered by the NYSDEC to resume pumping from all four wells by June 28, 1985 (TTH, 1985h). Agway was, however, at this time concerned that it would draw chromium contaminated water onto its property, presumably from the Van der Horst property (TTH, 1985j). It was reported that the NYSDEC wanted to contain the chromium in the groundwater using Agway's pumps. As the chromium was not related to their fertilizer production, they refused to restart their pumps (TTH, 1985k). The NYSDEC took their bid to the state Supreme Court and in December of 1985, the court ruled in favor of Agway (TTH, 1985l).

Sampling programs conducted between 1990 and 1991 documented metals in groundwater, including chromium, barium, and lead, at levels exceeding the NYSDEC groundwater guidelines (NYSDEC, 2006). Additional investigations at the former fertilizer complex documented the presence of PCBs and semi-volatile organic compounds in soil as well (TVGA, 2003).

7.0 HISTORY OF OTHER INDUSTRIES WITHIN NORTH OLEAN

The following sections discuss other industrial facilities that were historically found in the general vicinity of the former refinery Site.

7.1 OTHER OIL REFINERIES

The New York Oil Works refinery was established in September of 1861 by Major Enos C. Brooks, Orville E. Hill, and Levi S. Enos. This plant was located on a large lot on the North side of West Sullivan Street. It was designed to manufacture two grades of kerosene from crude petroleum and the throughput of the plant was about ten barrels a day. The refinery was made up of one still with a crossbar and cap, a boiler, a safety valve and a quantity of copper and iron pipe fittings. The refinery was in serious financial trouble by 1862 and closed soon after (Herrick, 1949).

The exact location of this refinery was not found. However, in relation to the former Socony-Vacuum Site, West Sullivan Street is located just two blocks south of the southern most point of the # 1 Works area.

7.2 TANNERIES

The tanning industry was one of Olean's most significant early industries. The tanning process involved such steps as washing the animal hides using heavy detergents, hair removal using a caustic solution, tanning using leachates of tree bark (harvested from local forests), along with chromium and arsenic compounds, and various other chemicals used to re-tan, color and finish the products. There were numerous residual products of little value from the tanning process. These included large volumes of spent tanning bark, animal flesh, fat and hair, and chemical solutions and sludges. On-site disposal of these waste products was common to the industry during their era of peak activity. On a national basis, there are many former tannery sites that have or are currently undergoing environmental remediation. The typical former tannery site

exhibits ecological concerns such as soil and groundwater contamination due to metals, semi-volatile organic compounds (SVOCs), and dioxins (TVGA, 2003).

Walter Wood was reported to have established the first tannery, which was a small, old-fashioned tannery in North Olean along the edge of a swamp (NOH, 2006). By the 1930's, the tanning industry had declined and the last operating tannery closed in Olean (TVGA, 2003). The following are just a few of the tanning companies that operated in North Olean, near the former refinery Site.

7.2.1 Root and Keating Tannery

In 1864, Mr. Jewett and Mr. Keating were the next to establish what was to become one of the first important industries of Olean. Their tannery was built along what is now known as North Union Street, less than 0.5 miles to the southeast of the former #2 Works Socony-Vacuum refinery area (see Figures 7-1 and 3-1). Mr. Jewett's interests were purchased by a Mr. Root in 1874, thus the tannery became known as the Root and Keating Tannery (see Figure 7-2). In 1893, the tannery was purchased by the United States Leather Co. Improvements were made to this tannery by adding a new power department, steam plant, two tank bark ovens and two 150 horse-power boilers. There was a threat of shutdown in 1895, however, the tannery continued to operate and was booming. On July 8, 1911, an attempt was made to burn down the Root and Keating tannery. In May 1935, the Spindler Brothers purchased the 38 acres of land occupied by the Root and Keating Tannery and divided it into building lots and streets. The new development was called the Spindler Brothers Brookview sub-division (NOH, 2006).

7.2.2 Claflin Manufacturing Company's Tannery

Lee, Claflin & Company announced their plans to build a new tannery in Olean in May 1888. It was located on ten acres of land south of Two Mile Creek, with access to switches to both the Erie and Pennsylvania Railroads (NOH, 2006). Their tanning operations were located along the

Erie Railroad tracks, directly north of the #1 and #2 Works areas of the former Socony-Vacuum refinery (see Figure 7-1). It was also adjacent to the western border of the former #3 Works area.

The Claflin Manufacturing Company's Tannery was sold to Adam Kinley in 1894. The Adam Kinley & Sons tannery became a very prosperous leather tannery and expanded in size to 18 acres (NOH, 2006). They produced only one grade of goods known as Union Crop Sole Leather exclusively by a process called bark tannage (TEH, 1900).

7.2.3 Buswell, Brown & Company Tannery

The Hubbard, Blake & Company tannery, later to be known as the Buswell, Brown & Company Tannery, was built in the western part of Olean off of Fall Road in the summer of 1889. The tanning facility was located adjacent to the former Socony-Vacuum #1 Works area, just west of Buffalo Street (see Figure 7-1). A street was opened from Buffalo Street to the Hubbard, Blake & Company tannery and the Erie Railroad put in a switch connecting to the tannery. In May 1891, an injunction was made against the tannery in an attempt to restrain the plant from emptying refuse from their tannery into Two Mile Creek. Work stoppages in 1894 and 1895 resulted in the removal of the finishing department from Olean. On September 29, 1904, the tannery was consumed by fire. The tannery was never rebuilt (NOH, 2006).

7.2.4 Cattaraugus Tanning Company

The Cattaraugus Tanning Company purchased the property located on Connell Street, approximately 0.07 miles north of the former Socony-Vacuum #1 Works refinery area (see Figure 7-3), around the year 1910 and operated there until 1919. It was sold that year to the Kistler Leather Company but still operated under the name Cattaraugus Tanning Company. On July 1, 1929, it was announced that the tannery would cease operations due to the high cost of shipping the raw material from the east coast and the finished leather having to be shipped back to the seaboard (NOH, 2006). The tannery property housed bark sheds, acid tanks, transformers, engine rooms as well as settling basins and sludge beds (TVGA, 2003).

7.3 RAILROADS

The following sections describe the two main railroad lines that intersect at a point that was adjacent to the former refinery, one of these lines having bisected the property. A major environmental spill is also examined.

7.3.1 *Erie Railroad*

Erie opened their line to Olean on May 14, 1851 (Mott, 1899). Through the early 1900's, this line accommodated 140 railroad trains, both passenger and freight, from six different railroads, arriving and departing from Olean on a daily basis (TEH, 1900). The Erie line was established to connect Chicago with New York City. The Empire Freight Line, operating on the Pennsylvania Railroad system and the Erie Railroad, each loaded a car or two a day that was sent directly to Olean from New York City without making a stop (TEH, 1900). The Erie track traversed the former Socony-Vacuum refinery, in a sense splitting it into a northern (#3 Works) and southern (#1 and #2 Works) section (see Figure 1-2).

7.3.2 *Pennsylvania Railroad*

The precursor to the Pennsylvania Railroad began as the Olean, Bradford & Warren Railroad. This was a three-foot gauge line running 63 miles from Olean, New York to Warren, Pennsylvania through Bradford, Pennsylvania. The city of Warren, however, never contributed to the construction of the line and, as a result, the only work done between Bradford and Warren was an initial survey. On October 8, 1877 a gang began grading the line towards Olean. In November of the same year, 200 men began work on the northern end of the line and reached Gilmore City in December. On February 8, 1878 the last spike was driven and the track was put into operation (WNYRA, 2005).

The Olean-Bradford section ran through two states and was incorporated as two separate companies with two separate charters. The 12.5 mile section in New York was called the Olean,

Bradford & Warren (OB&W) Railroad while the 10.5 mile section in Pennsylvania was incorporated as the OB&W Railway (WNYRA, 2005).

The OB&W connected to many other narrow and standard gauge railroads. Most notably was the Kendall & Eldred Railroad which connected to the OB&W at Tarport, Pennsylvania (East Bradford). These two companies shared the same management and were operated by the same personnel (WNYRA, 2005).

During that era, as today, the larger railroad systems were always looking to lease or purchase smaller systems to add to their operations. The OB&W was no exception and on June 11, 1878 the Pennsylvania section of the line was sold to the Buffalo, New York & Philadelphia Railway (BNY&P). The BNY&P purchased the New York section of the OB&W line on December 8, 1881(WNYRA, 2005).

During its explosive growth by acquisition phase, the BNY&P purchased the McKean & Buffalo Railroad, 16,000 acres of land, and the 121 mile main line of the Western New York & Pennsylvania Railway in Pennsylvania. In 1883 the BNY&P purchased the Kendall & Eldred Railroad, the Buffalo, Pittsburgh and Western Railroad Company, the Olean and Salamanca Railroad Company, the Bradford Railroad, the Kinzua Railroad, the Genesee Valley Canal Railroad, the Oil City and Chicago Railroad Company, and the Rochester, New York & Pennsylvania Railroad. After this rash of purchases the company was reorganized on February 14, 1883 as the Buffalo, New York & Philadelphia Railroad Company. The BNY&P was purchased in the winter of 1887/88 by the Western New York & Pennsylvania Railroad Company which was, in turn, leased to the Pennsylvania Railroad in 1900 (WNYRA, 2005).

The Western New York and Pennsylvania Railroad ran from Buffalo, New York to Emporium, Pennsylvania and was absorbed by the Pennsylvania Railroad in 1905 (WNYRA, 2005). The main Pennsylvania Railroad tracks ran along the eastern boundary of the former Socony-Vacuum refinery property (see Figure 1-2).

7.3.3 *Historic Environmental Accidents*

A very significant environmental accident began about 8:30 on the evening of March 9, 1903 on the Erie line. The accident occurred beyond the Erie Bridge which was located over Olean Creek, approximately 0.60 miles east of the former refinery Site (see Figure 1-2), and occurred when a westbound freight train broke in two between Hinsdale and Olean. The crew was unaware of this fact, which was first discovered by the operator at the tower just east of Olean. He sent word to the operator at the Erie station, who had the engineer keep on down the main track, counter to the standing orders of stopping at the bridge to take the switch. Before the engineer could get the twenty-six cars attached to his engine in motion again, the fourteen cars that were following with the caboose, crashed into those ahead of it just east of the Erie Bridge across the Olean Creek. Of the fourteen cars involved, eight were loaded with refined oil or naphtha and the other six with sugar (NOH, 2006).

The collision caused an explosion of some of the oil cars; three of which were thrown down the north side of the embankment. Another toppled part way down the south bank and others were piled sidewise across the tracks (NOH, 2006).

7.4 OLEAN CHEMICAL WORKS

One of the earliest industries in North Olean was the Olean Chemical Works which was organized in 1881 (Adams, 1893) on the site of the current Henkel Corporation factory between Washington (now Connell) and Franklin Streets (see Figures 7-1 and 3-1) (NOH, 2006). The chemical manufacturing operations were located along the Pennsylvania Railroad tracks, adjacent to the eastern border of the former Socony-Vacuum #3 Works refinery area (see Figure 7-4). The Olean Chemical Works was a branch of the Graselli Company of Cleveland, Ohio (NOH, 2006).

The Olean Chemical Works plant manufactured sulphuric, nitric, mixed and muriatic acids, aqua ammonia, extra distilled glycerine, etc. Their methods and processes remained a secret and

many of the appliances used by the chemical company were of their own invention and were used exclusively for them (Chapin, 1889). On November 5, 1884, the Chemical Works was the scene of a destructive fire. The fire originated in the boiler works. In total, the fire destroyed approximately one-third of the plant including 64 glass stills with their contents (TOD, 1884a). This fire was reported to have created some damage to the Acme refinery as well, specifically to the east end of the barrel factory, and to tankage and piping at the pump station just north of town. Before a new building was erected to replace the one that caught fire, the Chemical Works plant had to create large stores of sulphur and other minerals by baking and melting them into a solid concrete rock (TOD, 1884b).

After the fire, George Lurthier purchased the Chemical Works property in November of 1904. He built a factory 80 feet by 30 feet on that site in July of 1905 and was going to name it the Sanitary Dinner Pail Company. On July 25, 1905, the Dinner Pail Company was gutted by a fire of unknown origin (NOH, 2006).

Following the Pail Company fire, the executive committee of the Board of Trade secured an option on a portion of the old Chemical land owned by George Luther. They built a large glass bottle and demijohn manufacturing plant and named it the Boley Manufacturing Company. A demijohn is a large, narrow-necked bottle made of glass or earthenware, and is usually encased in wickerwork. After the factory was in operation, a fire occurred on January 1, 1907 (NOH, 2006).

7.5 THE OLEAN GLASS WORKS

The Olean Glass Works was located south/southwest of the Eclipse and Acme refineries on Buffalo Street near Thirteenth Street and begun operations in 1883 (see Figure 7-1) (NOH, 2006). In relation to the former Socony-Vacuum refinery, it was located just west of Buffalo Street, adjacent to the southern end of the former #1 Works area.

The glass works was the site of many serious fires. The first, in September 1894, badly scorched the factory. The second one occurred in January 1896 and destroyed the main building. Fire struck the glass works in 1905 in which two large buildings were destroyed. Presumably the last fire to hit the plant occurred in 1913. In that same year, the factory was sold to the Acme Glass Works (NOH, 2006).

7.6 UNITED LUMBER COMPANY

The United Lumber Company made plans to locate on 40 acres purchased from S.R. Homer, a tract of land opposite the Erie Railroad tracks from the Acme Barrel Works. It was expected that this plant would be the main storage plant for the product of various mills owned by United Lumber companies. Mr. S.S. Bullis, owner of the company, was given much credit for locating his company to Olean in February of 1888. A huge fire destroyed about 4,000 to 5,000 feet of lumber as well as the building in which they were stored in September of 1889 (NOH, 2006).

7.7 WILSON ROLLER BLIND MANUFACTORY

On October 14, 1891 the Wilson Roller Blind Manufactory (also referred to as the Wilson Sash and Blind Company) had started operations in an area just north of the Acme and Eclipse refineries on Johnson Street (see figure 7-1) (NOH, 2006). Johnson Street is located within 0.14 miles north of the former #1 and #2 Works areas of the Socony-Vacuum refinery Site and approximately 0.10 miles west of the former #3 Works.

The Wilson plant manufactured rolling blinds, partitions, rolling steel shutters, wood block flooring, window frames, and hygienic school wardrobes. The products of this factory also included Mr. Wilson's patented inside and outside blinds and shutters (the first Venetian blinds). It was in March 1902 that a fire destroyed the Wilson factory along with a saw mill located along Two Mile Creek. After the fire, the Wilson Roller Blind Manufactory left Olean (NOH, 2006).

7.8 UNION PLANNING MILLS

The Union Planning Mills was established in an area north of the Eclipse and Acme refineries that were operating at the time. Although its exact location was not discovered, it appears to have been situated just north of the Wilson Roller Blind Manufactory (see Figure 7-1). In April of 1895, it was announced that the mill had put through about one million feet of hemlock to be dressed for the eastern market. In that same year, Thomas Whitton, owner of the Union Planning Mills, had purchased the entire stock of Pennsylvania Storage Company's Storage Yard just north of his mill (see Figure 7-1) (NOH, 2006).

7.9 ACME GLASS WORKS

The Acme Glass Works came to Olean in 1895 and was located near the intersection of Franklin and Johnson Streets in North Olean, within 0.14 miles north of the former #1 and #2 Works areas of the Socony-Vacuum refinery Site and approximately 0.10 miles west of the former #3 Works (see Figure 7-3). The Acme Glass Works purchased the Olean Glass Company business in 1913 and would operate the factory on the corner of Buffalo Street and Thirteenth Street in connection with their more northern facility. The glass works was running to full capacity in 1916 and in March of 1926, the Acme Glass Works was sold. In 1932, fire destroyed the old Acme Glass plant on Franklin Street which had been closed since April 1929 (NOH, 2006).

7.10 UNITED WOOD ALCOHOL COMPANY

A site for an alcohol refinery was selected north of Franklin Street and east of the Pennsylvania Railroad in February of 1907 (see Figure 7-3). This facility was also situated adjacent to the eastern border of the former Socony-Vacuum #3 Works refinery area. Crude alcohol would be brought to this location from factories in metal drums and shipped out in barrels after being refined. The plant was never operated (NOH, 2006).

The Seaman Organization, one of the largest industries to come into North Olean, announced in October 1924 that they would take over the idle United Wood Alcohol Company plant (see Figure 7-2). The company had been noted for their manufacture of fiber containers and while the new plant was being made ready, the temporary plant turned out buckets that were used for shipping candy, paints, lards, greases and similar products (NOH, 2006).

In the spring of 1927 the Arvey Manufacturing Company was organized and took over the Seaman Organization. The Arveyware Corporation purchased the building in 1934 and renamed it the Fibre Forming Corporation. It has been estimated that the plant closed sometime during the 1960's. The building was dismantled and the land is now part of a parking lot for the Henkel Corporation (see Figure 1-4) (NOH, 2006).

7.11 DRESSER-RAND COMPANY

The Dresser-Rand Company (Dresser) began in the 1880's in nearby Belmont, New York when the two Clark brothers decided to begin manufacturing farm implements and sawmill equipment. The brothers eventually decided to shift their focus from agriculture to oilfield equipment (TVGA, 2003). In 1912, a fire destroyed the Clark Brothers plant in Belmont and the firm decided to move to northwestern Olean and began manufacturing engines for the oil industry (NOH, 2006; Dresser-Rand, 2006). They started their Olean plant in the southeast corner of their current property, along Lincoln Street and the Pennsylvania Railroad tracks (see Figures 7-3 and 7-5). Their current property is situated adjacent to both the southern #1 Works and eastern #2 Works borders of the former refinery Site (see Figure 1-4). Large, slow-speed reciprocating engines and compressors were the primary product manufactured in the Olean plant at that time (TVGA, 2003).

In 1938, Clark Brothers merged with another oil industry manufacturer, the Dresser Manufacturing Company from Bradford, Pennsylvania, to form the Dresser-Clark Company. In 1956, Dresser Industries was incorporated under the laws of the State of Delaware as a successor

to the Dresser-Clark Company. On January 1, 1987, Dresser Industries merged their interests with the Ingersoll-Rand Company to form the Dresser-Rand Company (Dresser-Rand, 2006).

During World War II, Dresser expanded their line of oil industry products in addition to designing and building marine diesel engines for use on tankers. Around this time, Dresser acquired their first portion of the former Pennsylvania Railroad maintenance facility (TVGA, 2003). Eventually, Dresser acquired all of the land adjacent to the former Socony-Vacuum Oil Site previously owned by the Pennsylvania Railroad for repairing steam locomotives for the Union Tank Line Company (see Figure 7-5).

The company steadily grew, and in 1956 a new plant was constructed in northwestern Olean to manufacture gas turbines and centrifugal compressors. By 1975, the company had designed and built one of the largest natural gas compressors in the world (TVGA, 2003).

Throughout most its history, Dresser-Rand has had a foundry at the Olean facility. This foundry was capable of producing very large castings. Although many processes have been used at the facility, the bulk of the casting process involved the sand cast method. This common casting method involved the construction of a mold and pattern in which foundry sand and its amendments are packed tightly. Molten metal was then poured into the mold after the pattern was withdrawn and the mold was closed. The casting was allowed to cool and was withdrawn from the mold. The casting was then chipped clean of slag and sand and machined into its intended form. The spent foundry sand was used for on-site fill and at other nearby locations, including an area to the south of Buffalo Street (TVGA, 2003).

Of the many manufacturing facilities that occupy northwestern Olean, Dresser-Rand is one of the largest and is still active today. Although the Dresser-Rand facility is still an active operation, TVGA consultants stated in their Bond Act Application – Project Description report (2003) that the company indicated portions of the plant are no longer utilized and may be available for redevelopment.

7.12 VAN DER HORST

The Van Atta Plant had been established at the corner of Penn Avenue and N. Fourth Street in North Olean in 1916. This location was slightly southeast of the former #2 Works area of the refinery Site, just across the Pennsylvania Railroad tracks. They produced hydraulic presses that were used in the Seaman Organization's manufacturing process of fibre containers (NOH, 2006). It appears as though this was the precursor to the Vander Horst plant, or at least was very near the former Van der Horst factory property.

Van der Horst was a chromium plating facility that operated at 315 Penn Avenue location from the early 1950's until June of 1987 (see Figure 1-4) (TVGA, 2003). In their operations, they produced chromic acid wastes that were allegedly disposed of on the property, resulting in groundwater contamination. The resulting chromium contamination in groundwater was largely contained by the Agway-Felmont purge pumping operation (see Section 7.3.1) (TTH, 1984c). However, groundwater was also contaminated with lead and tetrachloroethene. Previous investigations at the former chrome plant indicated that contamination from the plant was also in the on-site soil, in City storm sewers around the property, and in the sediments of Olean Creek. Surface soil samples taken from adjacent residential properties indicated elevated levels of arsenic, lead and chromium, confirming the airborne transport of site-related contaminants as well. To date, a total of 31,539 tons of contaminated soil and building have been removed from the property, as well as from neighboring properties, and quarterly groundwater monitoring is in progress. This site is still listed as a class 4 hazardous waste site, meaning that it is one that requires management, on Olean's list of four such sites (Cmap, 2002).

Van der Horst also owned and operated an iron/chrome plating facility on Johnson Road (Van der Horst Plant #2), near Two-Mile Creek, within 0.14 miles north of the former #1 and #2 Works areas of the Socony-Vacuum refinery Site and approximately 0.10 miles west of the former #3 Works (see Figure 1-4). Approximately three acres of waste material was identified on site during a Preliminary Investigation conducted by NYSDEC in 1988. The soil was contaminated with both chromium and barium. Hazardous waste was improperly stored within

the plant building, including both corrosive and ignitable material. Demolition of all the on-site structures was completed in 1995. Consolidation of on-site soil and sediment at one location and subsequent encapsulation work was completed in 1996. This property is also listed as a class 4 hazardous waste site in Olean and long term monitoring of the property is ongoing. Chromium contamination in the groundwater at the site has been reduced since the completion of the remedial work. The property is currently fenced and gated to restrict access (Cmap, 2002).

7.13 PENNSYLVANIA RAILROAD SHOPS AND YARDS

The Pennsylvania Railroad had established two separate maintenance shops and train yards. One yard was located directly adjacent to the former Socony-Vacuum Site, currently the Dresser-Rand property (see Figures 1-4, 7-3 and 7-5), and the other was located just south of Wayne Street between Third and Seventh Streets, approximately 0.5 miles southeast of the former refinery property (see Figures 7-1, 7-3 and 7-5). Presumably they were established after the Union Tank Car Company left the former refinery Site around 1921.

Machine shops and lifting equipment used for the maintenance and repair of locomotives and rail cars were housed on these properties. The use of cutting oils, lubricating oils, solvents, degreasers, and paints were commonplace at train yards during this time in history (TVGA, 2003). The tank car repairing effort on the property abutting the former refinery Site was discontinued in 1950 due to changes in requirements for tank cars throughout the country and as a result, the Union Tank Car Company buildings were dismantled and the tank car storage tracks removed (Sovac, 1950b).

In March of 1927 an announcement was made that a modern glass factory was to be erected on the ten acre property on Wayne Street and construction began in April of that year. Around 1935, the glass factory was bought out by the Thatcher Company who continued in Olean until they finally closed and moved all their operations to Elmira, New York. The Olean Board of Education bought the property in 1978 and built the Olean Junior High School on its site (NOH, 2006).

7.14 HENKEL CORPORATION

Located on the land that once housed the Olean Chemical Works facility, the precursors to the Henkel Corporation began in April 1930 with a new plant, the Olean Metal Cabinet Works, erected on Franklin Street for the purpose of manufacturing metal products. Eventually, Lloyd D. Dahmen bought the plant and in the year 1935, the Daystrom Corporation became a manufacturer of metal ashtrays. In 1938, Daystrom began manufacturing chromium kitchen furniture and upholstered stools and chairs. The Daystrom plant in Olean was shut down in February 1962, at which time the operation was relocated to South Boston, Virginia. The Henkel Corporation took over the former Daystrom factory some time later and has been operating there ever since (see Figure 1-4) (NOH, 2006).

7.15 ALCAS CUTLERY

Although it is located approximately 2.5 miles southeast of the former refinery property, the Alcas Cutlery property is listed as one of Olean's four known hazardous waste sites. They are listed as a class 2 hazardous waste site in the City of Olean, indicating that it is a "significant threat" (Cmap, 2002). Their plant is located at 1116 West State Street in the southeastern section of town, just north of the Allegheny River. It is near the former Quirin's Tannery depicted in Figure 8-1.

Alcas Cutlery produces household cutlery in a process that does not involve plating. Prior to 1979, this company was responsible for applying four to five drums of 1,1,1-trichlorethane (TCE), used as a weed killer, to their property every year (Cmap, 2002). Grinding wastes were also disposed of in an abandoned canal bed behind the property (TTH, 1984c). Previous investigations indicated both groundwater and soil contamination at the location (Cmap, 2002). The Olean Well Field, near the Alcas Cutlery plant, has also been listed as a class 2 hazardous waste site because of TCE contamination. A portion of the contamination has been attributed to Alcas (Cmap, 2002).

8.0 CURRENT SITE CONDITIONS

The site visit to the property, on which the former Socony-Vacuum Oil Company, Inc. refinery was once located, focused on the relatively undeveloped portions of the Site that were accessible from Buffalo Street. This primarily included the former #1 Works area. Appendix A presents the photographs that were taken during the site visit and this section describes the existing structures depicted in the photos. An attempt was also made to relate current Site conditions for the former #2 Works and #3 Works areas primarily through the use of current aerial photographs (see Figure 1-3). Summaries of the ongoing environmental investigation being conducted on a portion of the Site and of the environmental database search that was completed are also presented in this section.

8.1 FORMER #1 WORKS AREA

The portion of the site that once was referred to as the #1 Works (parcels 94.047.28.1, 94.047.29, 94.047.28.2, and 94.047.30) (see Figure 8-1) is bound to the west by Buffalo Street (Photos 1 and 2), to the north by the Erie Railroad tracks (Photo 1), to the east by the Dresser-Rand Company property (Photo 3) and the former #2 Works property, and to the south by the Dresser-Rand Company property as well (see figure 1-4). The majority of the area previously covered by the former #1 Works is relatively flat with no distinct gradation in any direction. It is primarily undeveloped and contains mostly short manicured or high unkempt grass habitat as depicted in Photos 4 through 9. However, there are some existing features of note within this section of the former refinery Site. These features include the two-story Harris Supply Company, Inc. building and parking lot situated at the intersection of Buffalo Street and the Erie Railroad tracks (Photos 10 and 11), and two former Agway plant buildings (see Figure 1-4). Both of these buildings are two-stories high and are located just east of Buffalo Street. The more northern building is depicted in Photos 12 and 13. The building located further south is depicted in Photos 14 and 15. A former Agway guard shack also remains on their property just east of Buffalo Street, situated in between the other two former Agway buildings described above (Photo 16).

In addition to buildings, the former #1 Works site contains various signs and the remnants of the former pipeline used by the Agway-Felmont fertilizer complex. One of these signs, located at what once was the main entrance into the Agway plant from Buffalo Street, bares the complex's name; the "Agway Industrial Park" (Photo 17). Photos 18 and 19 depict two additional signs in separate parcels of the former #1 Works facility that list that parcel as available. The former Agway-Felmont complex utilized a large pipeline system (see Figure 6-1) (Photo 20) that runs primarily parallel to the Erie Railroad tracks, for the transport of ammonia (Photo 21). The remainder of this pipeline stretches along the boundary of parcels 94.047.28.1 and 94.047.29 (Photo 22). Near the northeastern end of the pipeline system, an arch was created over an access road that connects the two parcels mentioned above (Photo 23). A gas line structure is located just a little further northeast of the pipeline arch (Photo 24).

8.2 FORMER #2 WORKS AREA

The portion of the site that once was referred to as the #2 Works (parcels 94.048.1.1 and 94.048.1.2) (see Figure 8-1) is bound to the west by the former #1 Works property, to the North by the Erie Railroad tracks, to the east by the Pennsylvania Railroad tracks, and to the south by the Dresser-Rand Company property (see Figure 1-2). Parcel 94.048.1.1 appears completely undeveloped with the exception of one small structure located on the border between the two parcels. It appears as if it is primarily made up of non-manicured grassy habitat with some brush and small trees (TVGA, 2005). TVGA indicated that there are several former building foundations, fencing, monitoring well casings, and power poles located in this area (TVGA, 2003; TVGA, 2005). The NYSDEC documented the presence of small spheres and pellets in soil piles on this parcel that were likely linked to the Agway-Felmont fertilizer complex operations (NYSDEC, 2005).

Parcel 94.048.1.2 still contains three large buildings and a parking lot. Two of these buildings served as an office building and a maintenance building when the Agway-Felmont fertilizer complex was operational (see Figure 1-4). There are some various other small structures visible on the aerial photo that are more than likely related to the former Agway-Felmont fertilizer

operations as well. This property appears to contain a mix of tall grassy areas mixed in with some scrub/shrub habitat.

8.3 FORMER #3 WORKS AREA

The majority of the Site that once was referred to as the #3 Works includes many different tax parcels (94.040.29, 94.040.2.1, 94.040.2.2, and 94.032.2.1) (see Figure 8-1) including a portion of the New York State Route 17 that runs directly through the center of the former #3 Works area from east to west. What constituted the #3 Works property boundaries are not entirely clear, however, it is believed to have been bounded generally to the north and west by Homer Street, to the east by the Pennsylvania Railroad tracks, and to the south by the Erie Railroad tracks (see Figure 1-2). All of the parcels believed to be a part of the #3 Works portion of the former refinery are currently vacant with the exception of 94.040.29. This property houses two large buildings and associated parking areas for the Blue Bird Industrial Park (see Figure 1-4). The rest of the land once associated with the primary distillation and crude storage for the former refinery appears to be covered with tall or short grassy habitat.

8.4 UNDERSTANDING OF CURRENT ENVIRONMENTAL INVESTIGATIONS IN NORTH OLEAN

The City of Olean wanted to acquire the former Felmont Oil Company parcels via tax foreclosure to further investigate known and suspected contamination at the former ammonia production site in North Olean. The actions of the City of Olean and Cattaraugus County, with respect to the acquisition of these parcels, were coordinated with the intent of consolidating the subject site under the control of the Urban Renewal Agency (URA). In December of 2003, a Bond Act Application – Project Description Report was submitted by TVGA Consultants on behalf of the City of Olean stating the reasons for the city's interest in the former Felmont Oil property (TVGA, 2003).

In June of 2004, the city of Olean won an \$180,000 grant from the New York State Department of Environmental Conservation, which was funded under the 1996 federal Clean Water/Clean

Air Bond Act (TTH, 2004). The Felmont subject area currently being investigated consists of three parcels of land, including 94.048.1.1, 94.047.28.1, and 94.047.30 (see Figure 8-1) (TVGA, 2003), covering a total of approximately 24 acres. Through various interviews, it was revealed that environmental consultants are, however, concentrating more of their efforts on parcel 94.048.1.1, believed to be the site of the major explosion that occurred on October 27, 1979.

The site along New York State Route 17 in North Olean is considered a prime area for restoration and commercial redevelopment (TVGA, 2003), but investors and builders have avoided the Buffalo Street location for fear of possible contamination (TTH, 2004). Although the entire Felmont property being investigated is only 24 acres in size, the city has identified nearly 500 abandoned acres in the North Olean industrial district that would be ideal for redevelopment (TVGA, 2003). In April of 2005, the city won another \$72,500 grant to help hire consultants to survey the entire 500 acres. This survey will be necessary in helping with future applications for federal and state aid required for property rehabilitation (TTH, 2005a).

The primary Felmont parcel being investigated has been vacant since approximately 1994 (TTH, 2004) and has, to the city's knowledge, never been subjected to any previous environmental assessments and/or investigations (TVGA, 2003). However, several adjacent properties were investigated regarding environmental contamination including the former Agway Nitrogen Complex and the Van der Horst Plants 1 and 2. Investigations of these two properties confirmed the presence of surface and subsurface soil contamination, groundwater contamination, and sediment contamination within Two-Mile Creek located 0.25 miles west of the subject property's western boundary (TVGA, 2003).

Based on the results of those investigations and the historical use of the site, the primary concerns regarding environmental contamination at the Felmont subject property were identified by TVGA (2003) consultants as:

- “The potential for surface and subsurface contamination in connection with the former use of the site for industrial use for over 85 years, including, but not limited to, spills

and/or leaks from extensive petrochemical storage and processing facilities formerly located on the subject site;

- The potential presence of potential underground storage tanks (USTs) and/or process piping;
- The potential for contamination associated with the former rail facilities that serviced the subject site;
- The potential for contaminant migration from the Van Der Horst sites onto the subject site via groundwater;
- The documented occurrence of PCBs and semi-volatile organic compounds (SVOCs) in the soil on the adjacent Agway site, which was originally part of the larger refinery complex that formerly contained the subject site;
- The documented occurrence of groundwater contamination by ammonia and nitrate on the adjacent Agway site; and
- Potential presence of contaminated sediments sludges and/or wastewater within the remaining components of the on-site drainage system.”

TVGA indicated in their 2003 Bond Act Application that the Felmont Oil facility operated a machine shop and compressor facility and utilized multiple electrical transformers, as well as numerous petroleum containing above ground storage tanks (ASTs). This suggests the potential for the onsite storage and use of solvents, the presence of PCB-containing electrical equipment, and the use of petroleum products by the Socony-Vacuum refinery’s successor (TVGA, 2003).

The primary goals of this Brownfield restoration project are to identify and remediate any contamination that could pose a threat to the public’s health and safety or to the environment (TVGA, 2003). The City of Olean would like to take advantage of the State’s federal Brownfield program policy in which they grant up to \$200,000 for cleanup costs and an additional \$200,000 if the site is contaminated with petroleum products (TTH, 2002). According to The Times Herald in June of 2005, TVGA engineers had found “...some pockets of oil contamination, but not enough to preclude development (TTH, 2005b).”

The cleanup strategy was reported to be bulldozing contaminated soil into a containment area and then capping. Because the property is intended for retail development, the level of cleanup will be lower than if it were to be used for residential development due to New York's newer, more relaxed, state regulations for cleanup of former industrial sites (TTH, 2005b).

The Agway-Felmont site is within the Empire Zone, meaning any new business locating there would receive breaks on taxes and utility costs (TTH, 2004). The mayor of Olean has made it a priority to redevelop the site and suggested that the location would be ideal for an outlet mall or similar development (TVGA, 2003).

8.5 ENVIRONMENTAL DATABASE SEARCH RESULTS

An environmental database service company, Environmental Data Resources, Inc., was contracted to provide a Site-specific environmental database search report for the property in question and the surrounding vicinity. This report is provided as Appendix B of this report. All of the information contained below summarizes their findings and came directly from their report (EDR, 2006).

8.5.1 *Federal Records*

A search of several federal databases, including the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), The CERCLIS "No Further Remedial Action Planned" (CERCLIS-NFRAP) database, the Resource Conservation and Recovery Act (RCRA) Information (RCRAInfo) system, and the RCRA corrective Action Activity (CORRACTS) database, produced the information detailed below.

CERCLIS contains data on potentially hazardous waste sites that have been reported to the United States Department of Environmental Protection (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 on the National Priorities List (NPL), or are proposed to be on the list and sites which are in the screening and assessment phase for possible inclusion on the NPL. The following company is reported as being on the CERCLIS list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Van Der Horst Corp of America	314 Penn Ave.	¼ to ½ mile east

CERCLIS-NFRAP sites have been removed from the CERCLIS database as of February of 1995. These sites are properties where, following an initial investigation, no contamination was found, contamination was quickly removed 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. The following two companies are reported as being on the CERCLIS-NFRAP list:

<i>Lower Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Felmont	1439 Buffalo St.	¼ to ½ mile southwest
▪ CF Industries Inc Olean Nitrog	1446 Buffalo St.	¼ to ½ mile southwest

RCRAInfo is the USEPA's comprehensive information system, providing access to data supporting the RCRA of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes selective information on companies which generate, transport, store, treat, and/or dispose of hazardous waste as defined by the RCRA. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month while large quantity generators (LQGs) generate over 1,000 kg of hazardous waste or over 1 kg of acutely hazardous waste per month. The following 12 companies are reported as being on the RCRAInfo SQG list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ RUPP Rental & Sales Corp	355 Franklin St.	¼ to ½ mile north
▪ R G Scott	900 W. Connell St.	¼ to ½ mile north/northeast

▪ Advanced Monolithic Ceramics	1010 Wayne St.	¼ to ½ mile south/southeast
▪ NYS Police Western Regional CR	722 Homer St.	¼ to ½ mile northwest
▪ NYS Police Western Crime Labor	722 Homer St.	¼ to ½ mile northwest
▪ R G Scott	314 Penn Ave.	¼ to ½ mile east
▪ Van Der Horst Corp of America	314 Penn Ave.	¼ to ½ mile east
▪ Van Der Hors	314 Penn Ave.	¼ to ½ mile east
▪ Uni-Marts Inc	9 th at Wayne St.	¼ to ½ mile south/southeast

<i>Lower Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ CF Industries Inc Olean Nitrog	1446 Buffalo St.	¼ to ½ mile southwest
▪ Felmont Oil Corp Chemical Div	1446 Buffalo St.	¼ to ½ mile southwest
▪ Agway Olean Nitrogen Complex	1446 Buffalo St.	¼ to ½ mile southwest

The following two companies are reported as being on the RCRAInfo LQG list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Dresser Ind Inc Dresser Clark	5th St.	¼ to ½ mile southeast
▪ Cytec Olean Incorporated	1405 Buffalo St.	¼ to ½ mile south/southwest

CORRACTS is a list of handlers with RCRA Corrective Action Activity. The following two companies are reported as being on the CORRACTS list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Loctite Corporation	211 Franklin St.	¼ to ½ mile north/northeast
<i>Lower Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ CF Industries Inc Olean Nitrog	1446 Buffalo St.	¼ to ½ mile southwest

8.5.2 *State and Local Records*

A search of several state and local databases, including the Hazardous Substance Waste Disposal Sites (HSWDS), the State Hazardous Waste Sites (SHWS), Leaking Storage Tank Incident Reports (LTANKS), the Underground Storage Tank (UST) database, the Aboveground Storage Tank (AST) database, the Chemical Bulk Storage (CBS UST and CBS AST) databases, and the Brownfields Site List, produced the information detailed below.

The HSWDS list includes any known or suspected hazardous substance waste disposal sites. Also included are properties delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites for which USEPA Preliminary Assessment or Site Investigation reports were prepared. The following company is reported on the HSWDS list:

<i>Lower Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Agway-Felmont	Buffalo St.	1/8 to 1/4 mile southwest

The SHWS records are the equivalent to the federal CERCLIS list. These sites may or may not already be listed as CERCLIS sites. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the NYDEC's Inactive Hazardous Waste Disposal Sites in New York. The following company is reported on the SHWS list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Van Der Horst Corporation	314 Penn Ave.	¼ to ½ mile east

LTANKS reports contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. The list incorporates both leaking aboveground and underground tanks. The causes of the leak incidents are tank test failures, tank failures, or tank overfills. The following six companies are reported as being on the LTANKS list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Cytec Olean Incorporated	1405 Buffalo St.	¼ to ½ mile south/southwest
▪ NYS Police/NYSOGS	722 Homer St.	¼ to ½ mile northwest
▪ McKean Machinery Sales, Inc	921 N. 4 th St.	¼ to ½ mile east
▪ Proposed Hampton Inn Site	1128 Buffalo St.	¼ to ½ mile south

<i>Lower Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Agway-Felmont	Buffalo St.	1/8 to 1/4 mile southwest
▪ Bell Atlantic Garage	1480 Buffalo St.	¼ to ½ mile west/southwest

The UST database lists properties that currently contain registered underground storage tanks. These tanks are regulated under Subtitle 1 of the RCRA. The data comes from the NYSDEC's Petroleum Bulk Storage (PBS) database. The following six sites are reported as being on the UST list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Dresser Rand	North 5th St.	¼ to ½ mile southeast
▪ Conap Inc	1405 Buffalo St.	¼ to ½ mile south/southwest
▪ Western Regional Crime Laborat	722 Homer St.	¼ to ½ mile northwest
▪ Van Der Horst Corp of America	314 Penn Ave.	¼ to ½ mile east
▪ Uni-Mart #05019	9 th at Wayne St.	¼ to ½ mile south/southeast

<i>Lower Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Van Der Horst Corp of America	900 W Connell St.	1/8 to 1/4 mile west
▪		

The AST database lists properties that currently contain registered aboveground storage tanks. The data comes from the NYSDEC's Petroleum Bulk Storage (PBS) database. The following four sites are reported as being on the AST list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Dresser Rand	North 5th St.	¼ to ½ mile southeast
▪ Anderson Equipment Company	355 East Franklin St.	¼ to ½ mile north/northeast
▪ Van Der Horst Corp of America	314 Penn Ave.	¼ to ½ mile east
<i>Lower Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Van Der Horst Corp of America	900 W Connell St.	1/8 to 1/4 mile west

The CBS databases include facilities storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or greater and/or underground tanks of any size. The list includes facilities registered (and closed) since effective date of CBS regulations (July, 15, 1988) through the date the research was requested. The following site is reported as being on the CBS UST list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Dresser Rand Turbo Products	P.O. Box 560	¼ to ½ mile southeast

The following two sites are reported as being on the CBS AST list:

<i>Equal/Higher Elevation</i>	<i>Address</i>	<i>Distance/Direction</i>
▪ Dresser Rand Turbo Products	P.O. Box 560	¼ to ½ mile southeast
▪ Cytec Olean Incorporated	1405 Buffalo St.	¼ to ½ mile south/southwest

The Former Felmont Oil Site (1446 Buffalo St.) was the only property listed in the area as a Brownsfield Site.

9.0 CONCLUSIONS

This Historic and Current Site Conditions Report presents the results of the review of information regarding the historic operations of the Socony-Vacuum Oil refinery in north Olean, New York and an understanding of the existing environmental conditions at the Site and in the surrounding community.

The Site is located in the City of Olean, Cattaraugus County, New York. It is north of downtown Olean and is situated primarily between Buffalo Street to the west and the Pennsylvania Railroad tracks to the east (see Figure 1-2). The Dresser-Rand property is located directly to the south and east of the Site (see Figure 1-4) and Homer Street was the approximate northwestern extent of the refinery. This area of North Olean has a long history of industrial operations, including, but not limited to, petroleum storage and refining, leather tanneries, heavy and light manufacturing, chrome plating, fertilizer manufacturing, and railroad facilities (TVGA, 2003).

Based on the historical research conducted, it is understood that two separate refineries operated at this location from approximately 1876 to 1902. At that time the two refineries merged to become one under the direction of the Vacuum Oil Company. On July 31, 1931, the Vacuum Oil Company merged with the Standard Oil Company of New York and in 1934, the company changed its name to Socony-Vacuum Oil Company, Inc (TTH, 1986c). At its maximum extent, the refining operations in Olean occupied approximately 115 acres, with a 1600-foot frontage along the east side of Buffalo Street (see Figure 1-2) (TTH, 1954). This plant was Socony-Vacuum's principal manufacturing plant and distribution center for an extensive list of specialty products (SVOC, 1950).

The refinery was divided into three sections known as the #1 Works, #2 Works, and #3 Works (see Figure 1-3). Most of the administrative and research areas were located along Buffalo Street, south of the Erie Railroad tracks (#1 Works). The #1 Works property along the tracks contained the central power house as well as the central shops building. The #2 Works was located just northeast of the #1 Works on the southern side of the Erie tracks and contained the

bulk oil loading, treating, and storage departments (ORT, 1952). The area north of the Erie tracks and just west of the Pennsylvania Railroad tracks was the #3 Works where most of the initial refining took place after the addition of a two-stage Crude Pipe Still. Currently, the land once occupied by this large refinery remains almost entirely undeveloped with the exception of a few scattered buildings remaining from the Agway-Felmont fertilizer plant operations that utilized much of the former refinery's property from 1964 to 1984, and the Blue Bird Industrial Park located on a portion of the former #3 Works.

The #1 and #2 Works areas were occupied by two companies identified as Agway and the Felmont Oil Corporation (see Figure 1-4). These two worked together to produce fertilizer. Their operations were shut down in 1984 and have been non-operational ever since. Previous investigations into groundwater and soil contamination attributable to Agway have been concluded and additional studies are currently being conducted on the former Felmont property.

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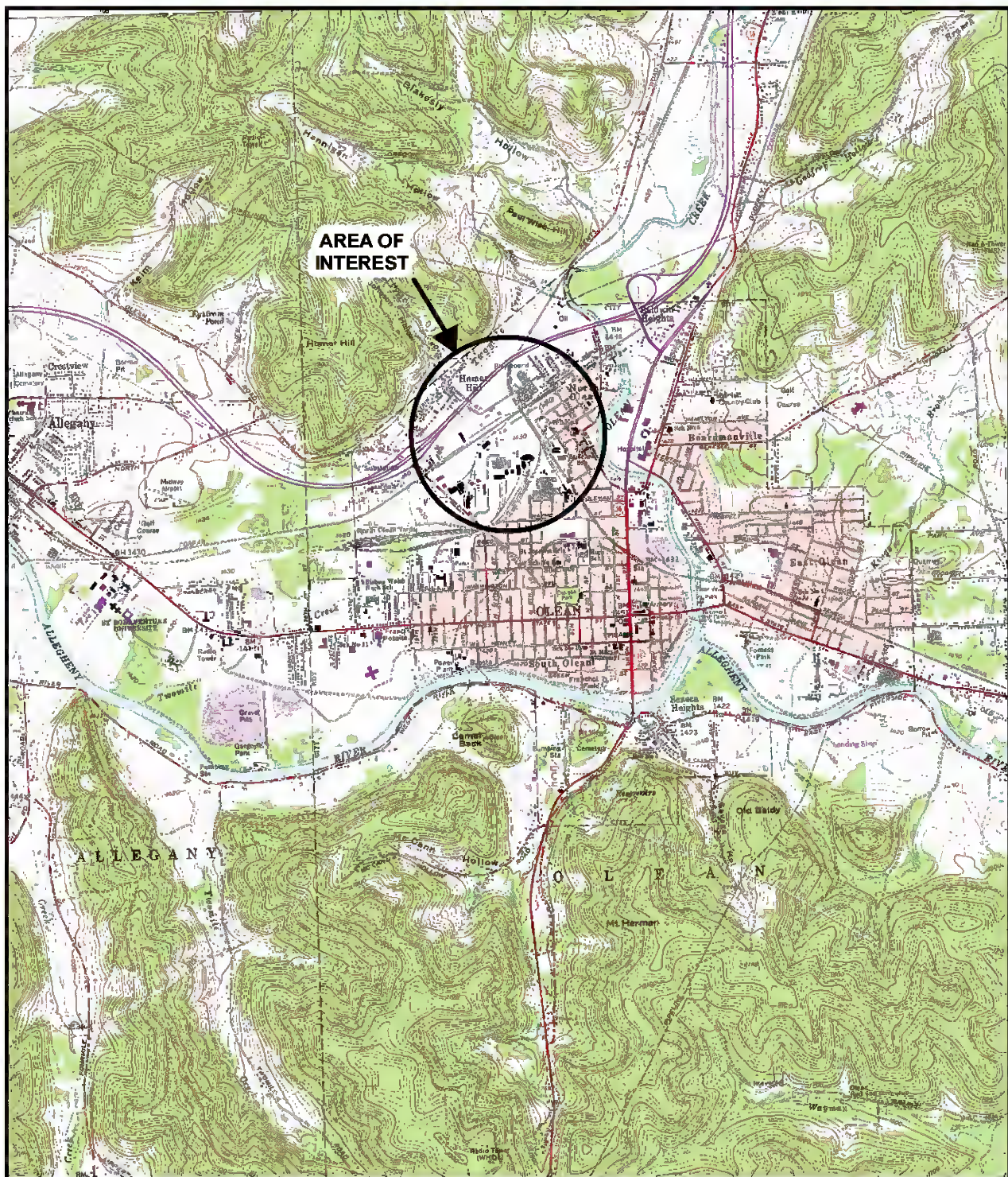
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Figures



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Feet

SOURCE: USGS Quarter Quad Topographic Map
Olean, New York 1961
Photorevised 1980

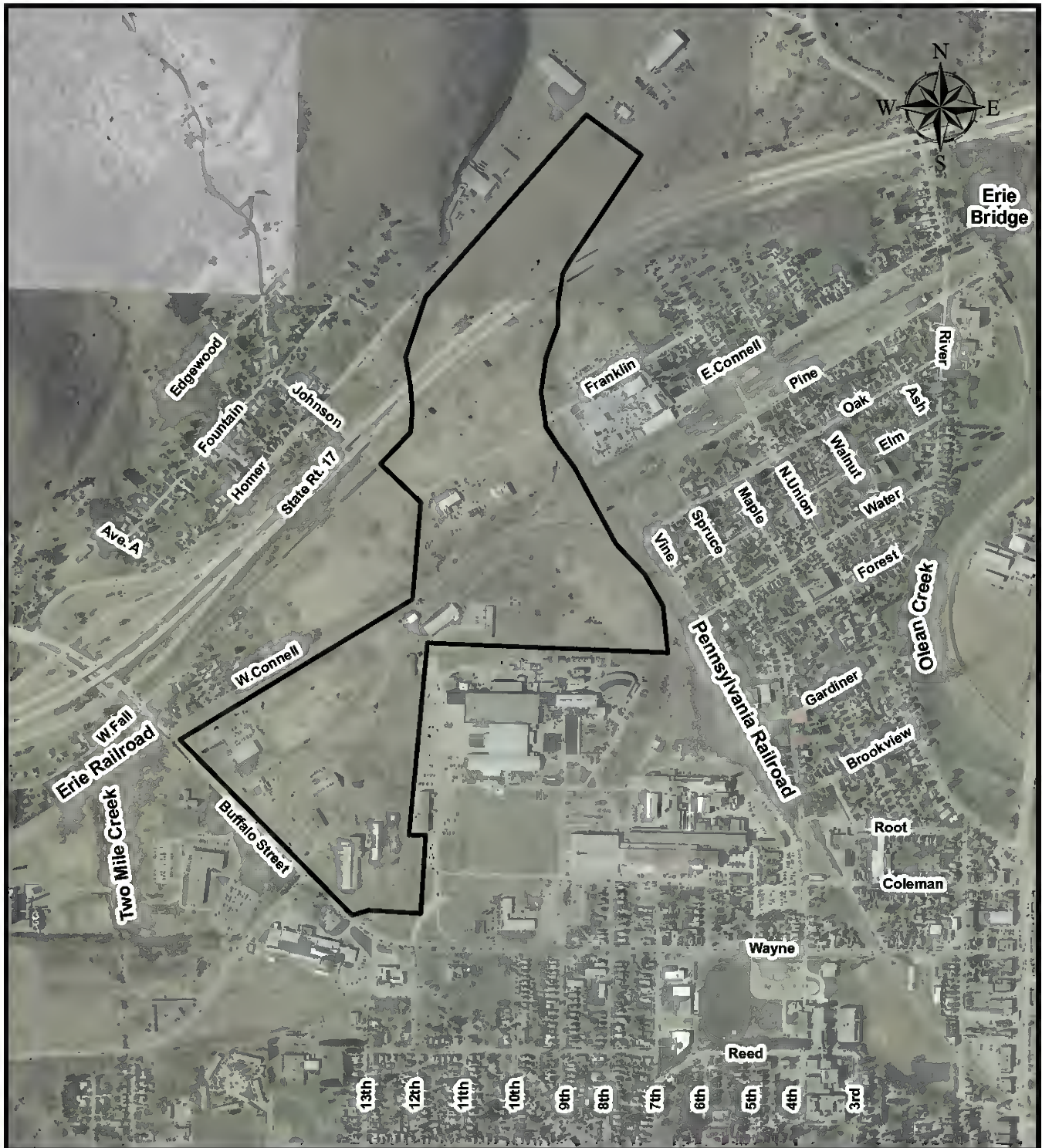
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Figure 1 - 1
Site Location Map
Former Socony-Vacuum Oil Refinery
Olean, New York

Rev. By: CB

Contract No.: 676400000

03/20/2006



0 500 1,000 1,500
Feet

Note: Property boundaries are approximate based on current tax map interpretation.

SOURCE: New York State GIS Clearinghouse,
High Resolution Digital Orthoimagery, 2002
www.nysgis.state.ny.us

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Figure 1 - 2
Former Socony-Vacuum Oil Refinery Site Map
Former Socony-Vacuum Oil Refinery
Olean, New York

Rev. By: CB

Contract No.: 676400000

03/21/2006



0 500 1,000 1,500
Feet

Note: Property boundaries are approximate based on current tax map interpretation.

SOURCE: New York State GIS Clearinghouse,
High Resolution Digital Orthoimagery, 2002
www.nysgis.state.ny.us

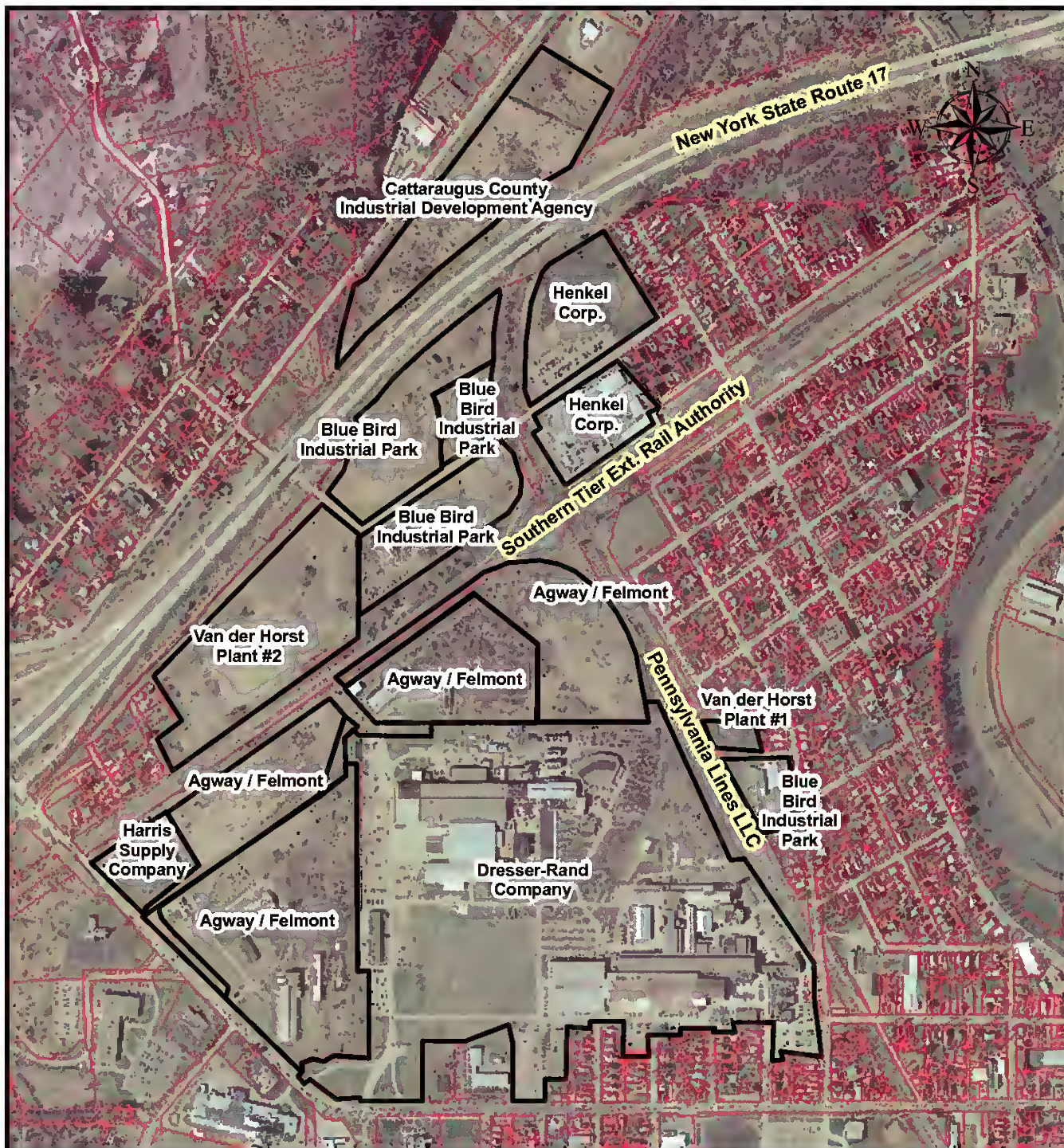
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Figure 1 - 3
Former Refinery #1, #2, and #3 Works Areas
Former Socony-Vacuum Oil Refinery
Olean, New York

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Note: Property boundaries are approximate based on current tax map interpretation.

SOURCE: Cattaraugus County Real Property Service
Interactive Parcel Map, 2006
www.cattco.org

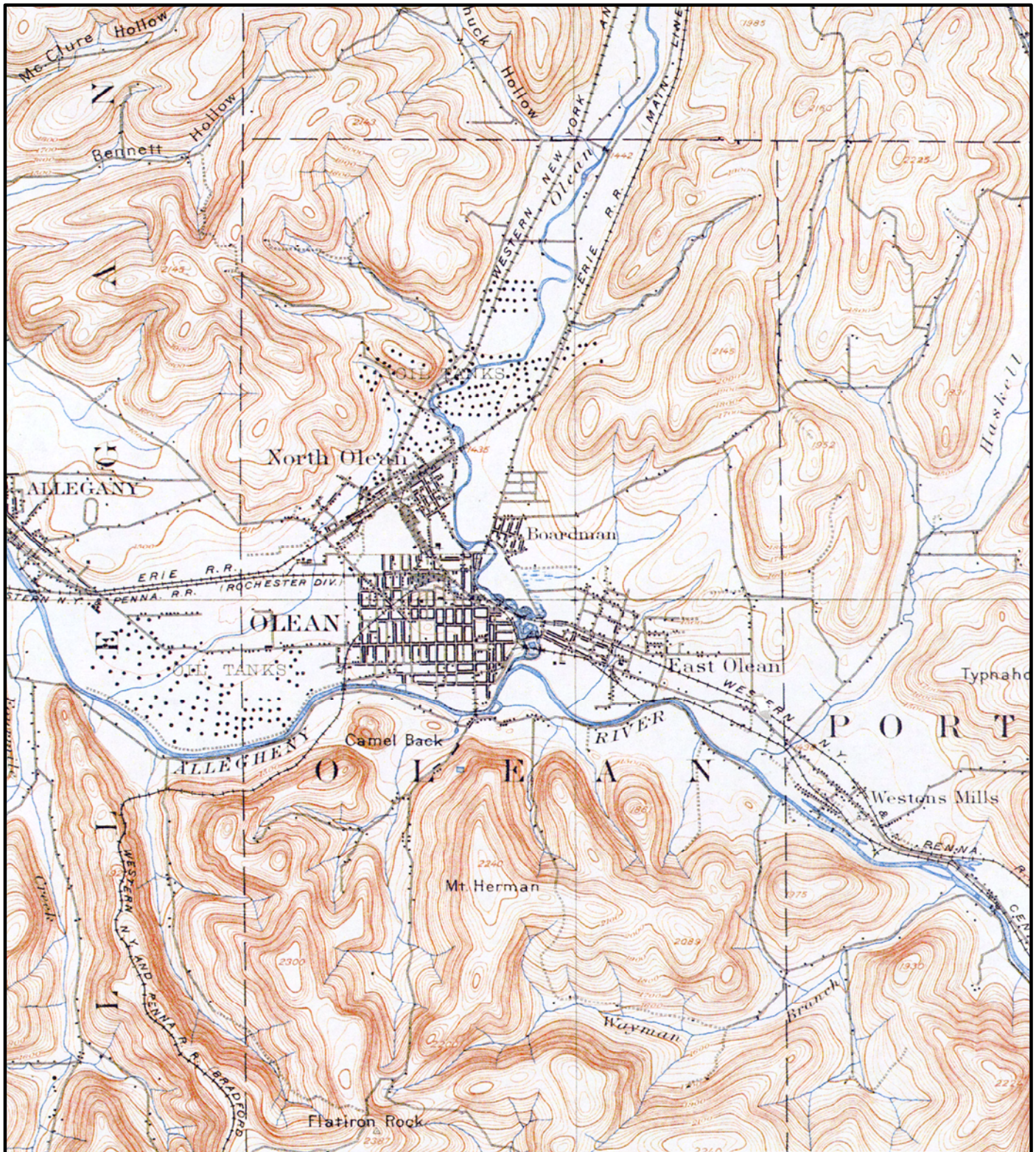
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Figure 1 - 4
Current or Recent Parcel Owners
Former Socony-Vacuum Oil Refinery
Olean, New York

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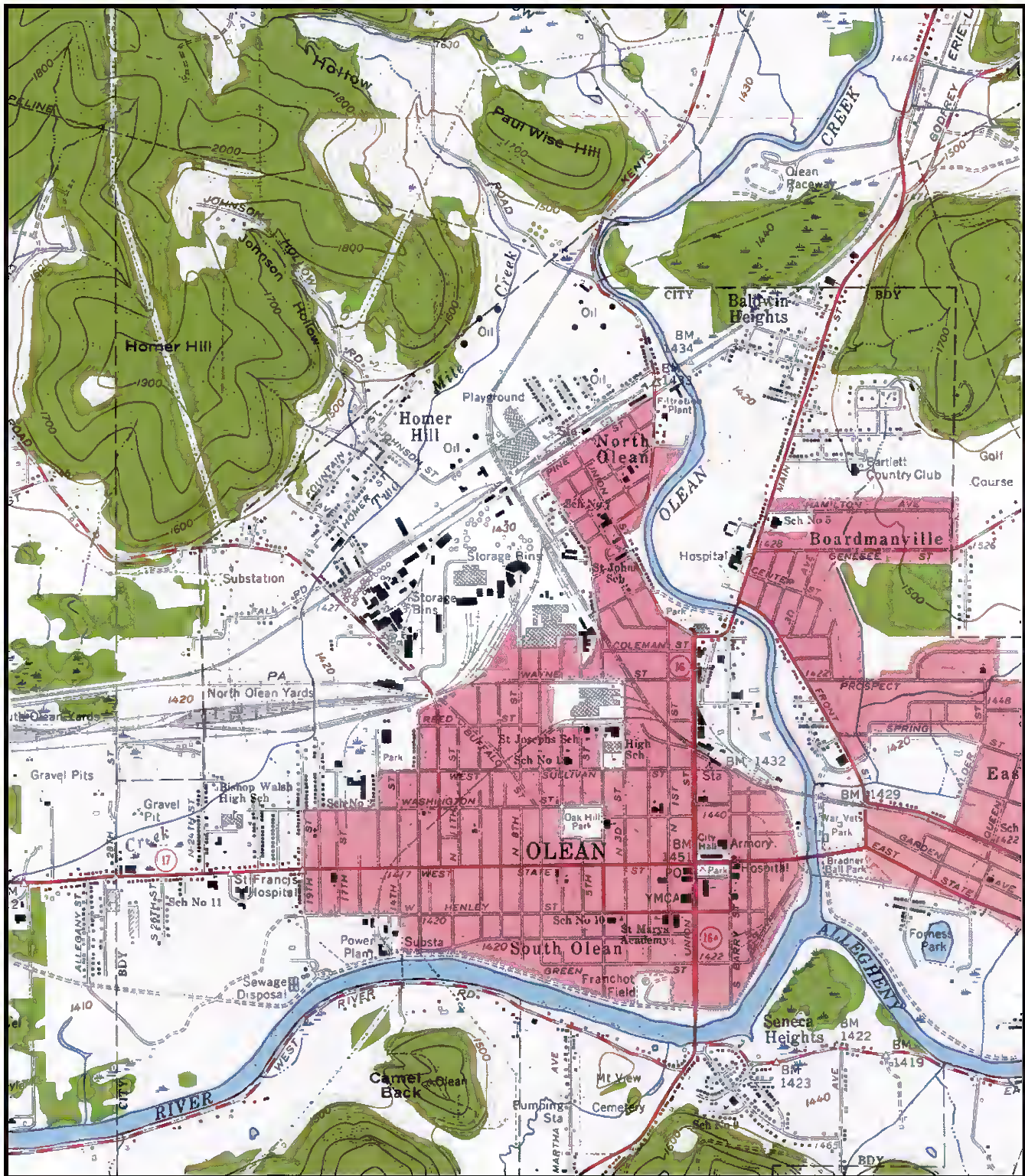


SOURCE:
EDR Historical Topographic Map Report
Quad: Olean, Year: 1898, Series: 15' Scale: 1:62,500
Environmental Data Resources, Inc., 2006

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Figure 2 - 1
1898 Historic Topographic Map
Former Socony-Vacuum Oil Refinery
Olean, New York

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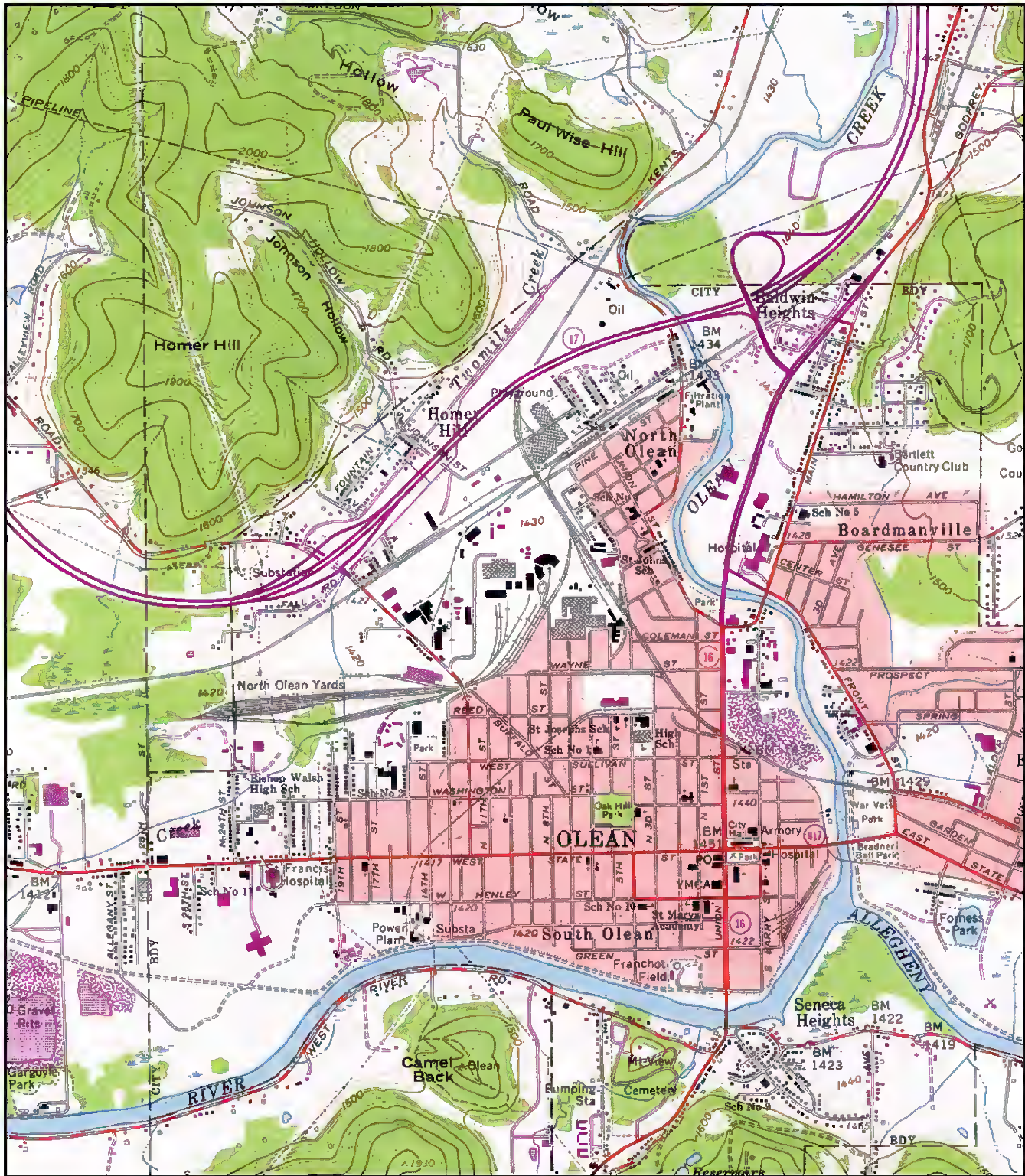
Figure 2 - 2
1961 Historic Topographic Map
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE:
 EDR Historical Topographic Map Report
 Quad: Olean, Year: 1961, Series: 7.5' Scale: 1:24,000
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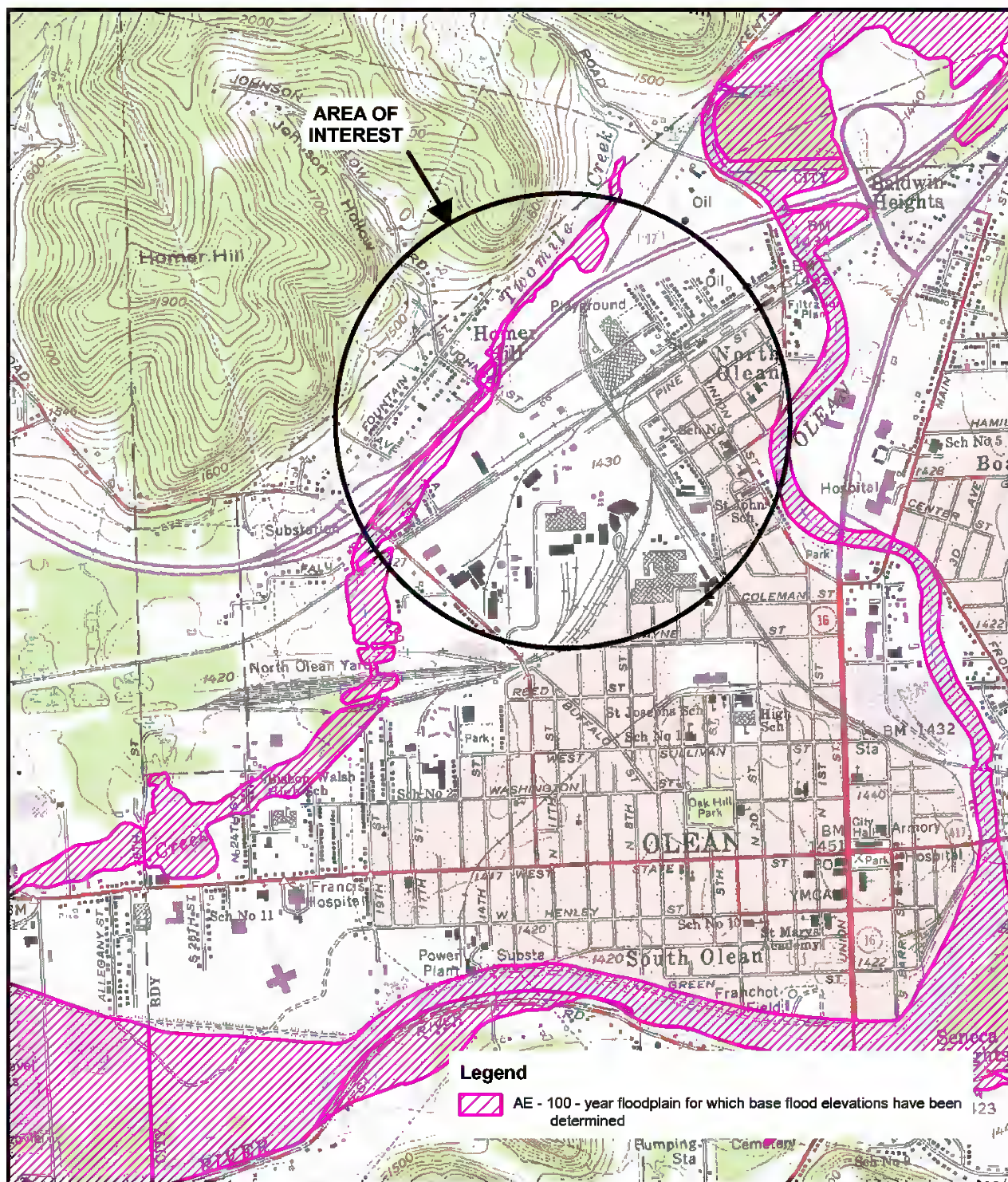
Figure 2 - 3
1961-1980 Historic Topographic Map
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE:
EDR Historical Topographic Map Report
Quad: Olean, Photorevised: 1961-1981, Series: 7.5' Scale: 1:24,000
Environmental Data Resources, Inc., 2006

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SOURCE:
USGS Quarter Quad Topographic Map
Olean, New York 1961, Photorevised 1980;
Federal Emergency Management Agency, Q3 Flood Data, 1996.

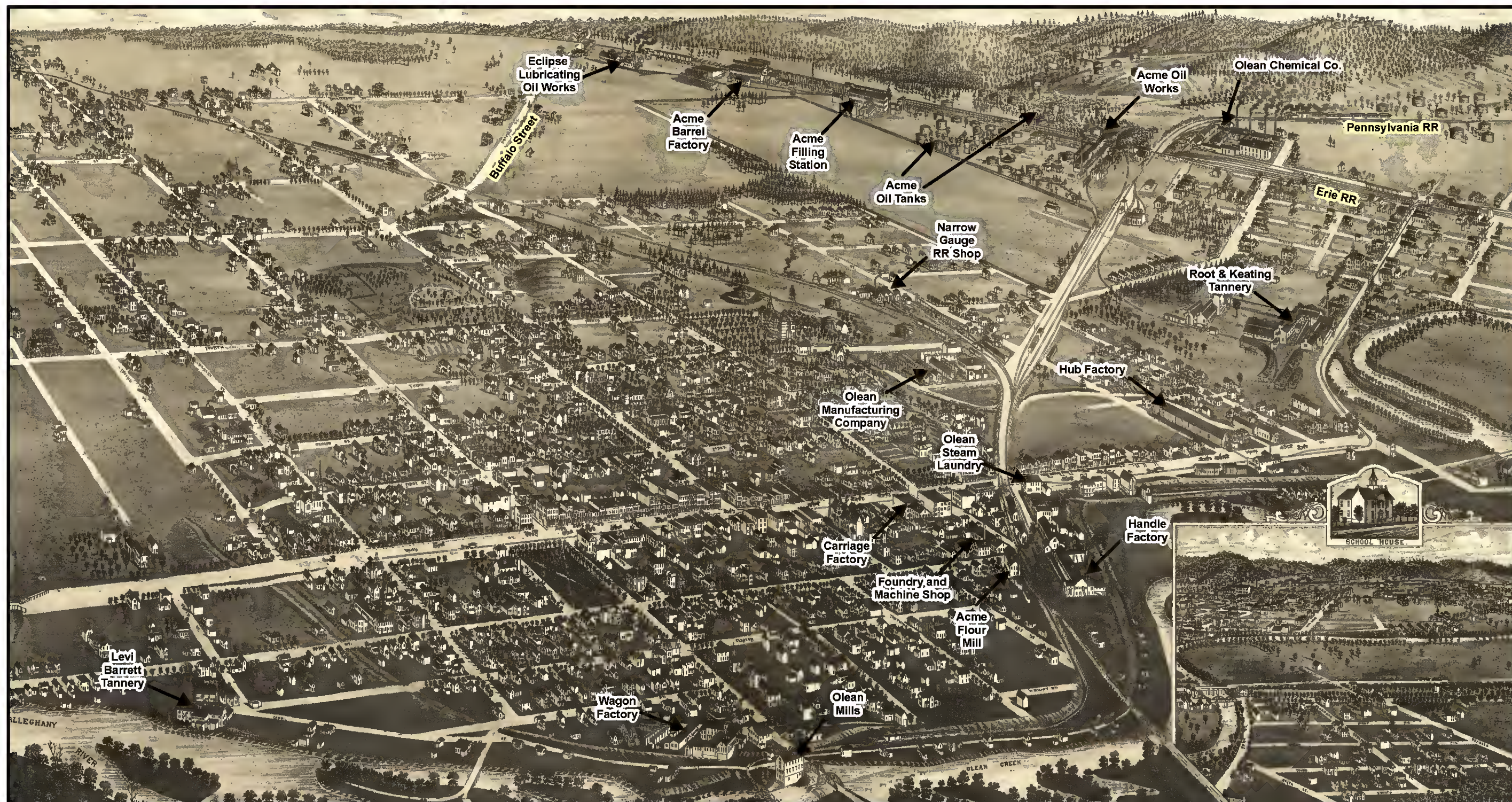
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Figure 2 - 4
FEMA O3 Flood Map
Former Socony-Vacuum Oil Refinery
Olean, New York

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SOURCE: Bird's eye view of Olean, Cattaraugus County, NY
1882. H. Brosius, del. Beck & Pauli, lithographers
American Memory Map Collection
Library of Congress Geography and Map Division

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Figure 3 - 1
1882 Diagram of North Olean
Former Socony-Vacuum Oil Refinery
Olean, New York

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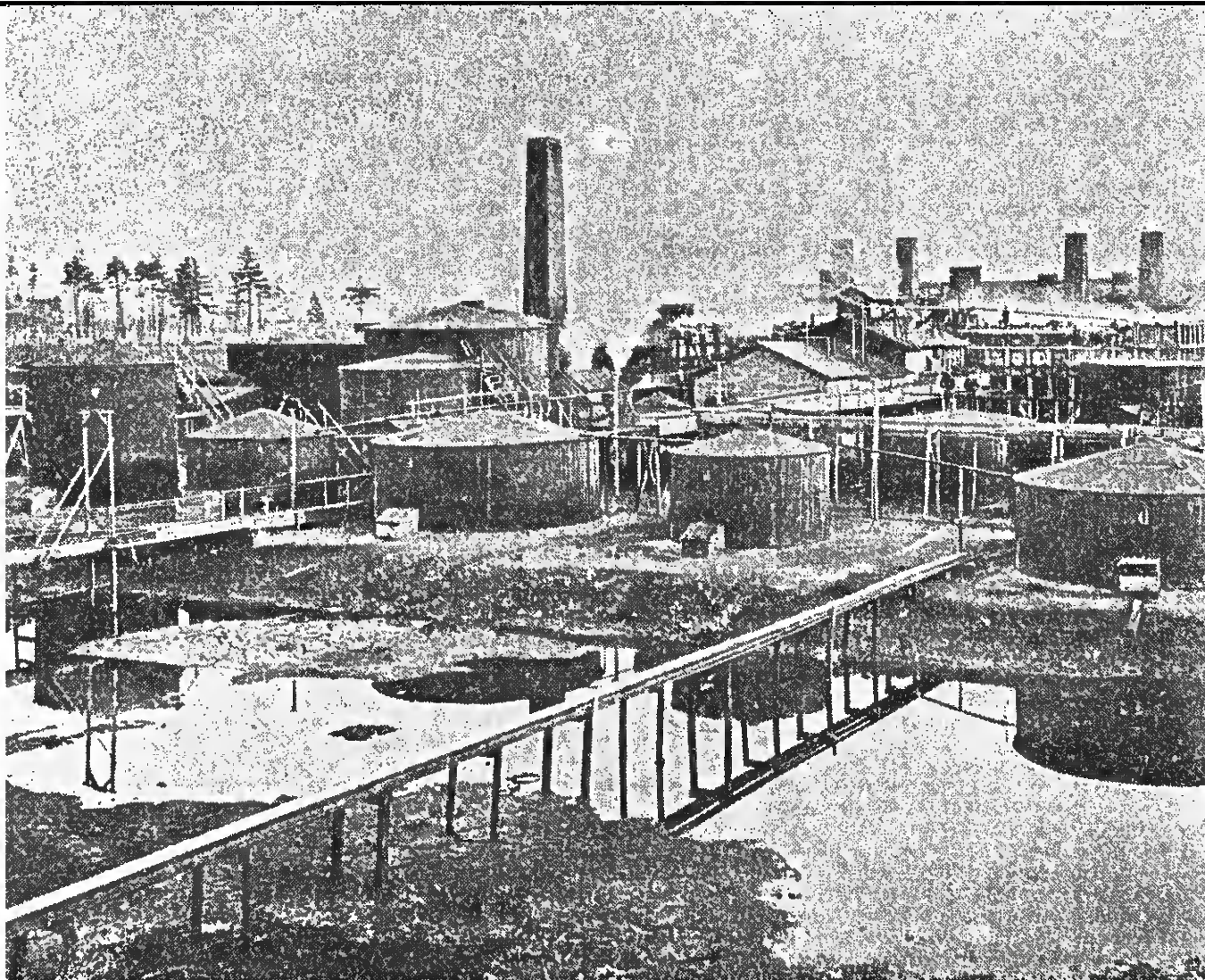


Figure 3 - 2
Undated Photograph of Eclipse Oil Company Refinery
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE: Olean Historical & Preservation Society
Olean, New York

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SOURCE: 1880 Acme Refinery Photograph
Drake Well Museum Collection

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Figure 3 - 3
1880 Photograph of the Acme Oil Works Refinery
Former Socony-Vacuum Oil Refinery
Olean, New York

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SOURCE: The Center for American History
at the University of Texas at Austin
from the ExxonMobil Historical Collection

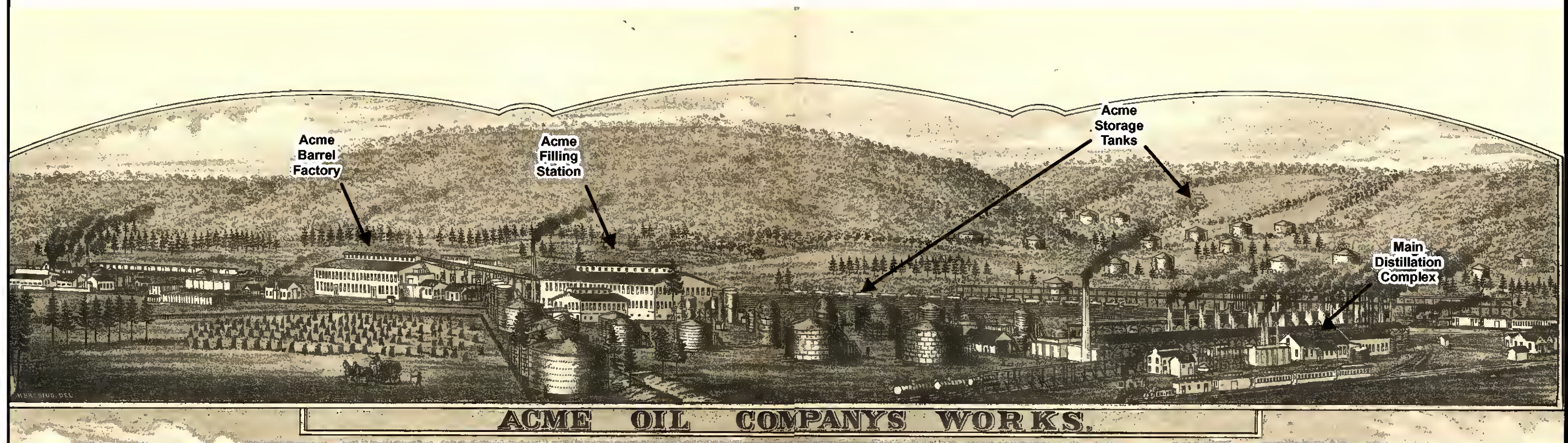


Figure 3 - 4
1899 Photograph of the
Acme Barrel Factory and Filling Station
Former Socony-Vacuum Oil Refinery
Olean, New York

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03/20/2006



SOURCE: Bird's eye view of Olean, Cattaraugus County, NY
1882. H. Brosius, del. Beck & Pauli, lithographers
American Memory Map Collection
Library of Congress Geography and Map Division

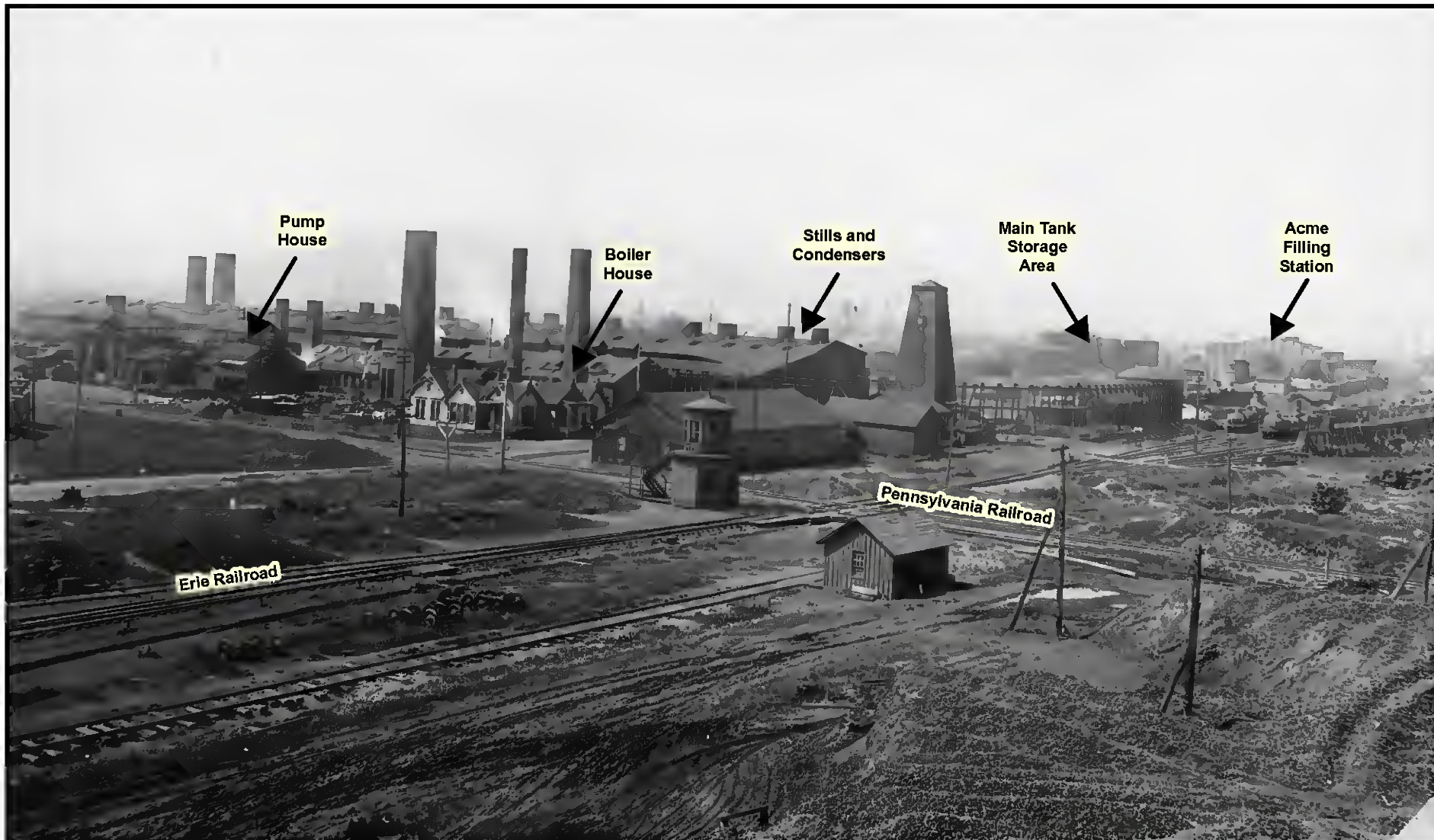
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Figure 3 - 5
1882 Diagram of the Acme Oil Works Refinery
Former Socony-Vacuum Oil Refinery
Olean, New York

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03/20/2006



SOURCE: The Center for American History
at the University of Texas at Austin
from the ExxonMobil Historical Collection

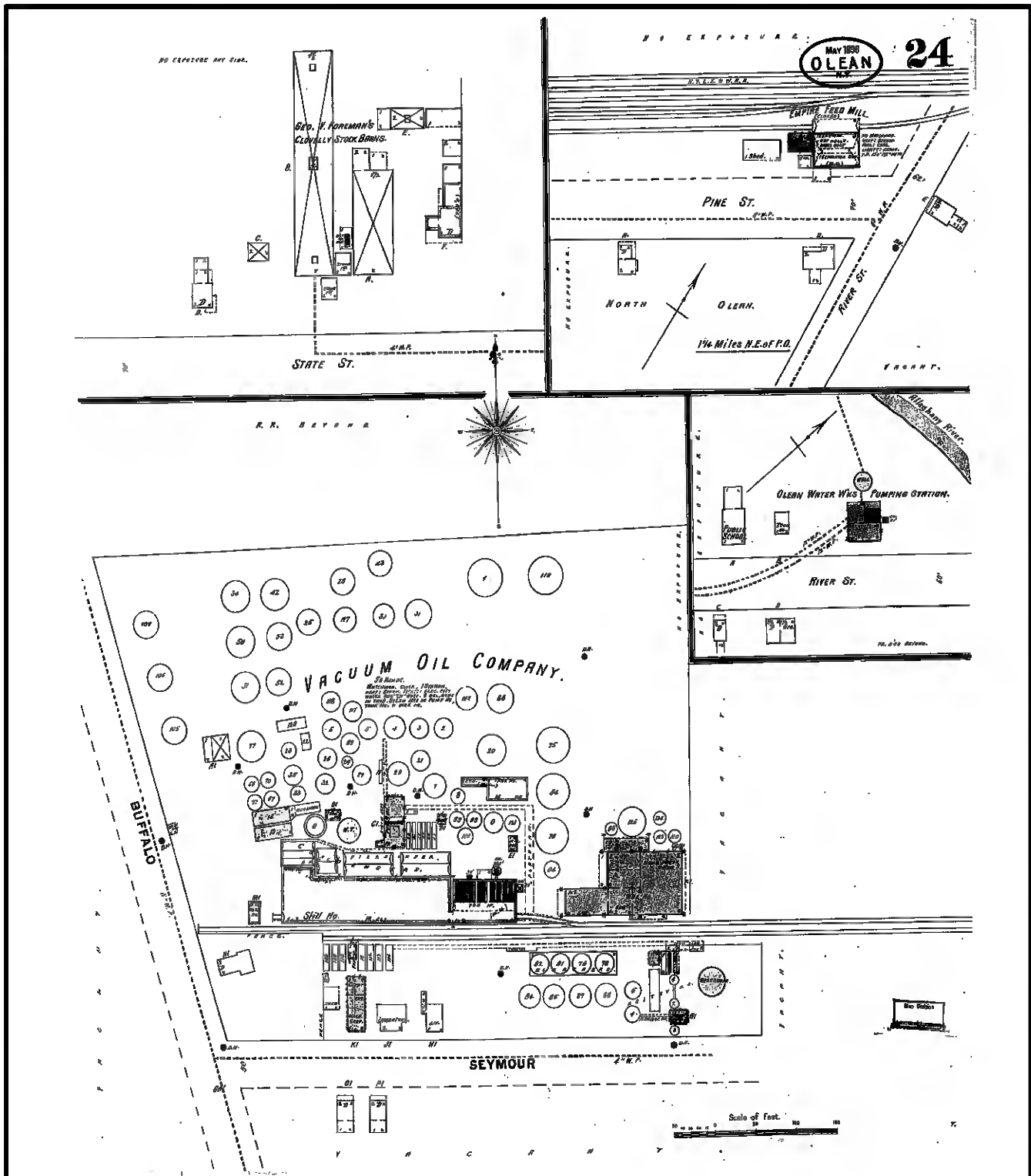


Figure 3 - 6
1899 Photograph of the Acme Oil Works Refinery
Former Socony-Vacuum Oil Refinery
Olean, New York

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03/30/2006



SOURCE:
EDR 1898 Sanborn Map
Environmental Data Resources, Inc., 2006

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Figure 3 - 7
1898 Sanborn Map of the
Vacuum Oil Company Refinery
Former Socony-Vacuum Oil Refinery
Olean, New York

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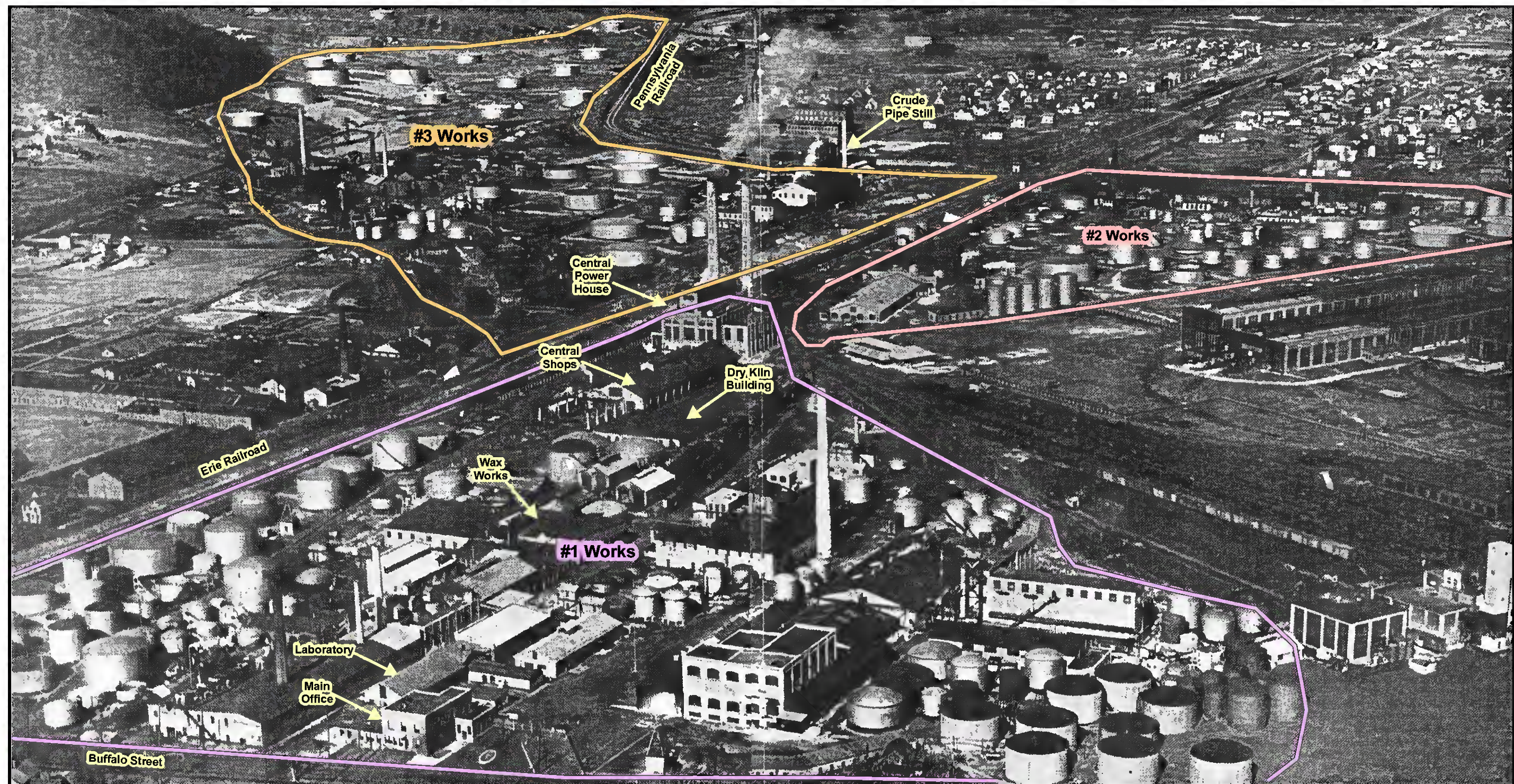
Figure 3 - 8
Main Office Building
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE: Olean Historical & Preservation Society
Olean, New York

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LEGEND

- Former Socony-Vacuum Refinery #1 Works Area
- Former Socony-Vacuum Refinery #2 Works Area
- Former Socony-Vacuum Refinery #3 Works Area

SOURCE: Olean Historical & Preservation Society
Olean, New York

Note: Property boundaries are approximate based on current tax map interpretation.

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Figure 4 - 1
Undated Site Aerial Photograph (1927-1954)
Former Socony-Vacuum Oil Refinery
Olean, New York

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SOURCE: The Center for American History
at the University of Texas at Austin
from the ExxonMobil Historical Collection



Figure 4 - 2
Central Shops and Former Tank Car Repair Building
Former Socony-Vacuum Oil Refinery
Olean, New York

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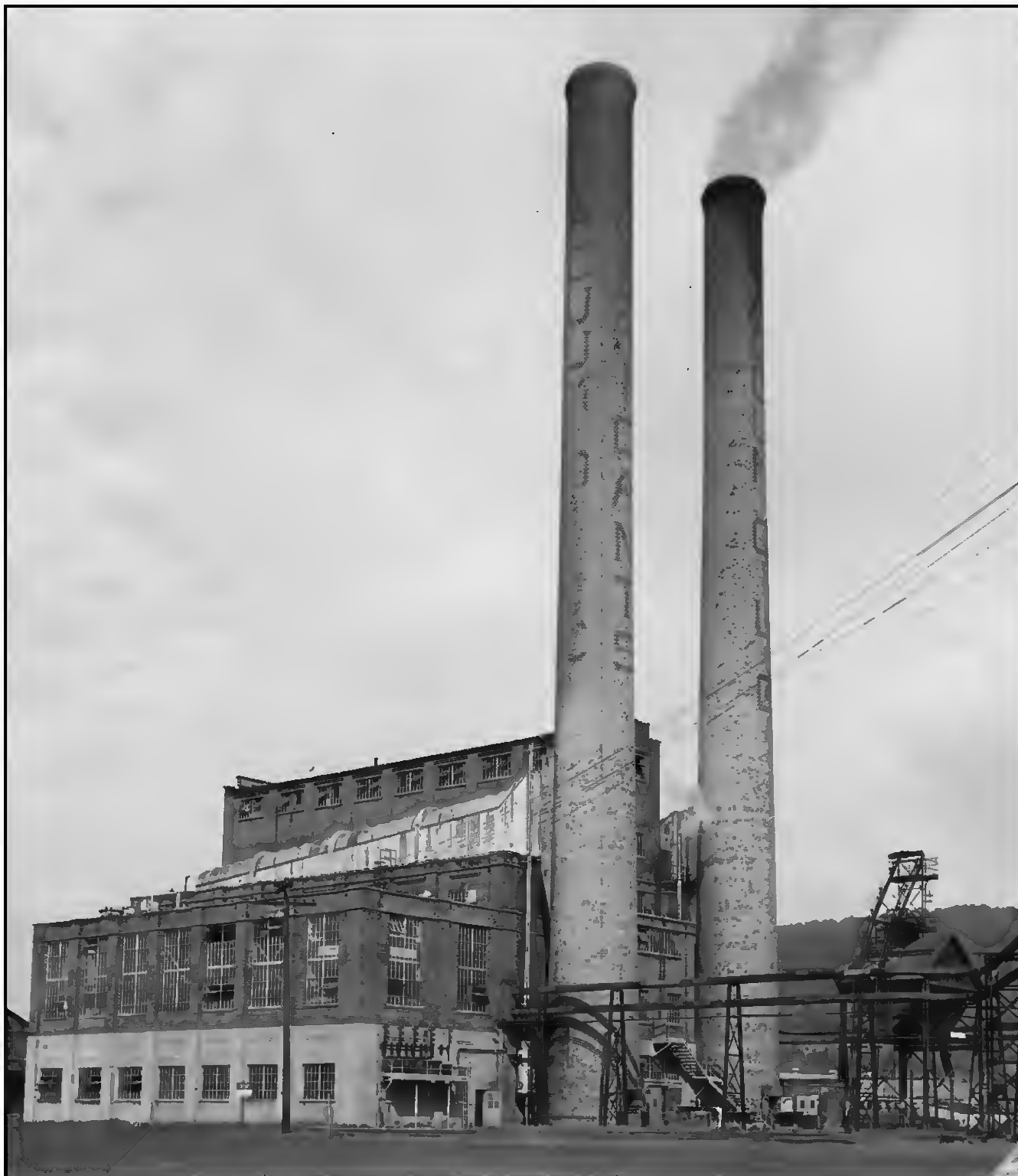
Figure 4 - 3
Laboratory Building
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE: The Center for American History
at the University of Texas at Austin
from the ExxonMobil Historical Collection

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SOURCE: The Center for American History
at the University of Texas at Austin
from the ExxonMobil Historical Collection

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Figure 4 - 4
Central Power House
Former Socony-Vacuum Oil Refinery
Olean, New York

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03/21/2006



SOURCE: The Center for American History
at the University of Texas at Austin
from the ExxonMobil Historical Collection

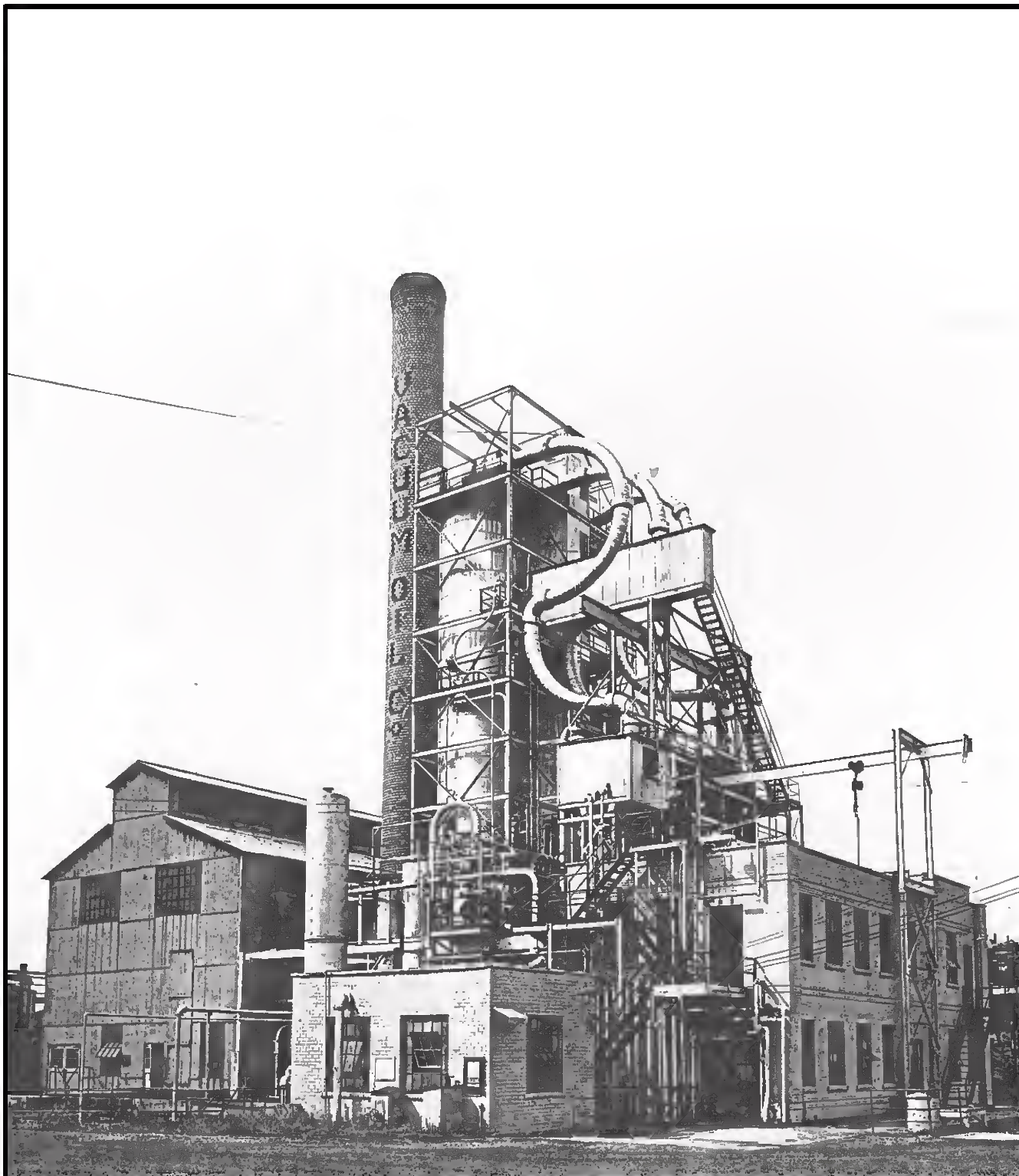
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Figure 4 - 5
Cracking Stills
Former Socony-Vacuum Oil Refinery
Olean, New York

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Contract No.: 676400000

03/21/2006



SOURCE: The Center for American History
at the University of Texas at Austin
from the ExxonMobil Historical Collection

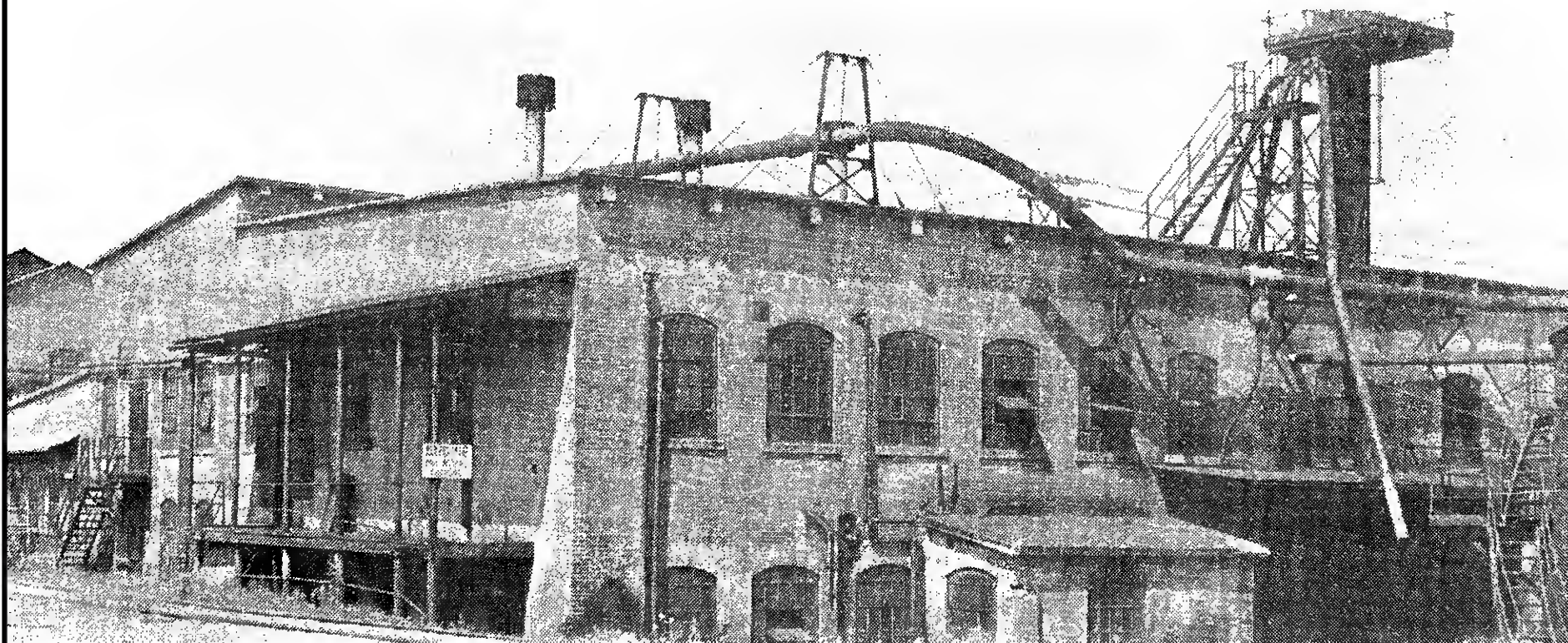
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Figure 4 - 6
Two Stage Crude Pipe Still
Former Socony-Vacuum Oil Refinery
Olean, New York

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Contract No.: 676400000

03/20/2006



SOURCE: Olean Historical & Preservation Society
Olean, New York

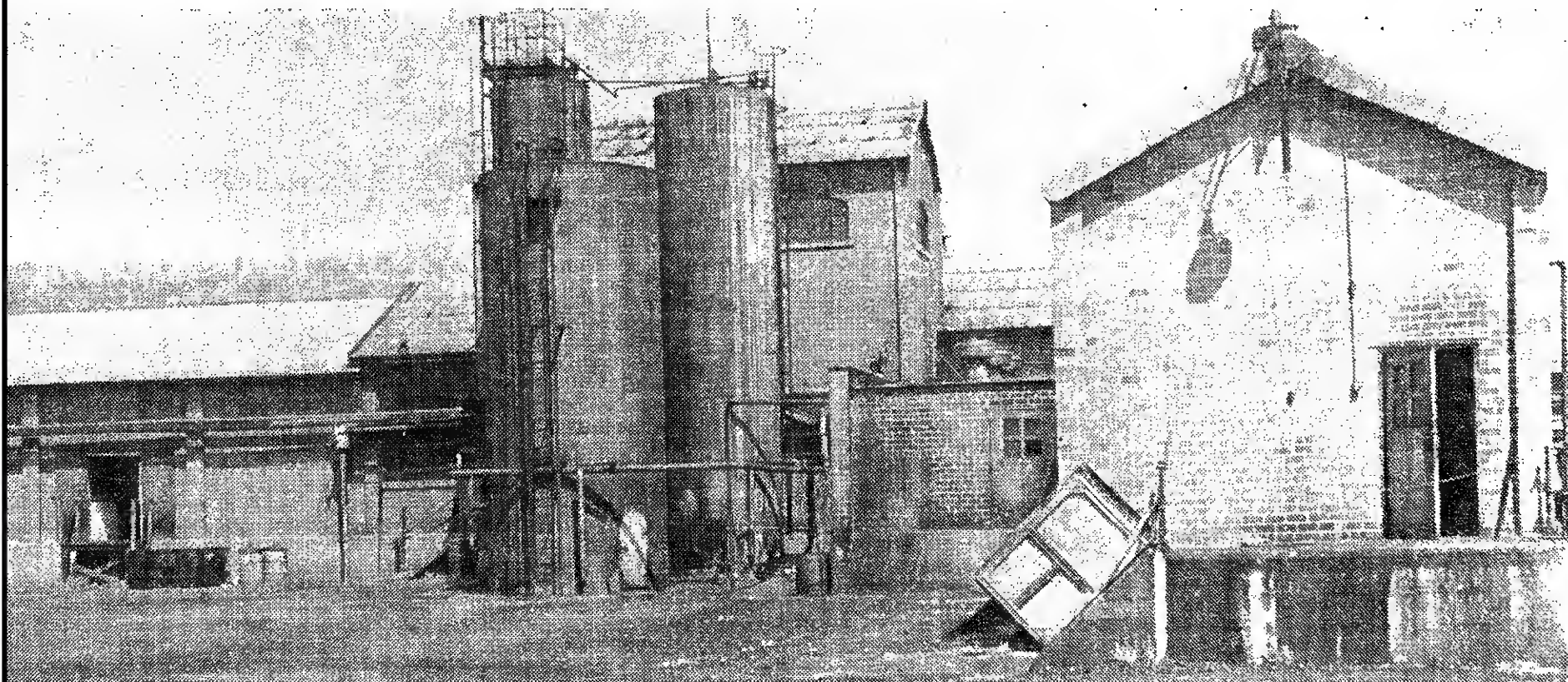
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Figure 4 - 7
Wax Works Building
Former Socony-Vacuum Oil Refinery
Olean, New York

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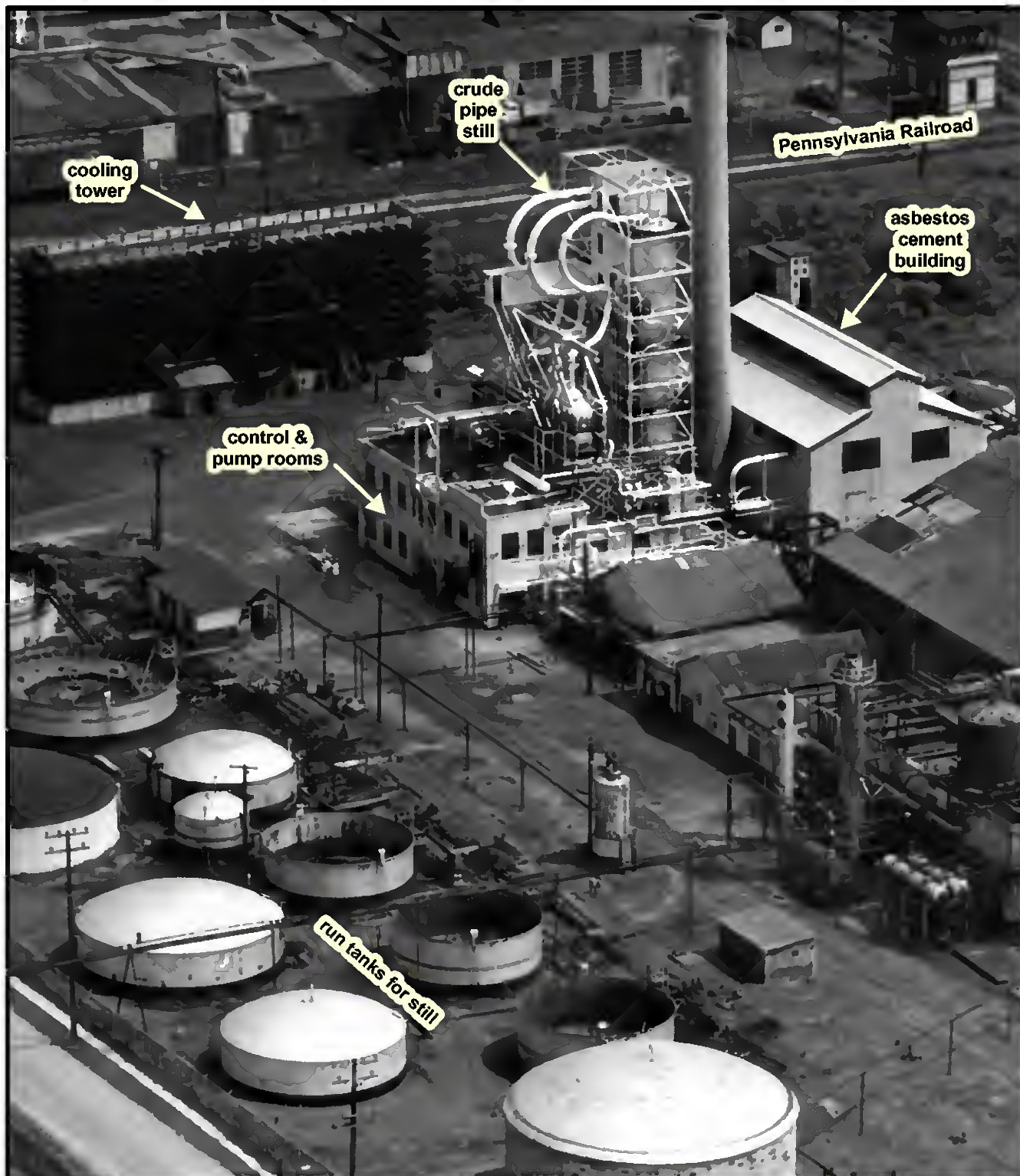
Figure 4 - 8
Grease Plant Building
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE: Olean Historical & Preservation Society
Olean, New York

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Contract No.: 676400000

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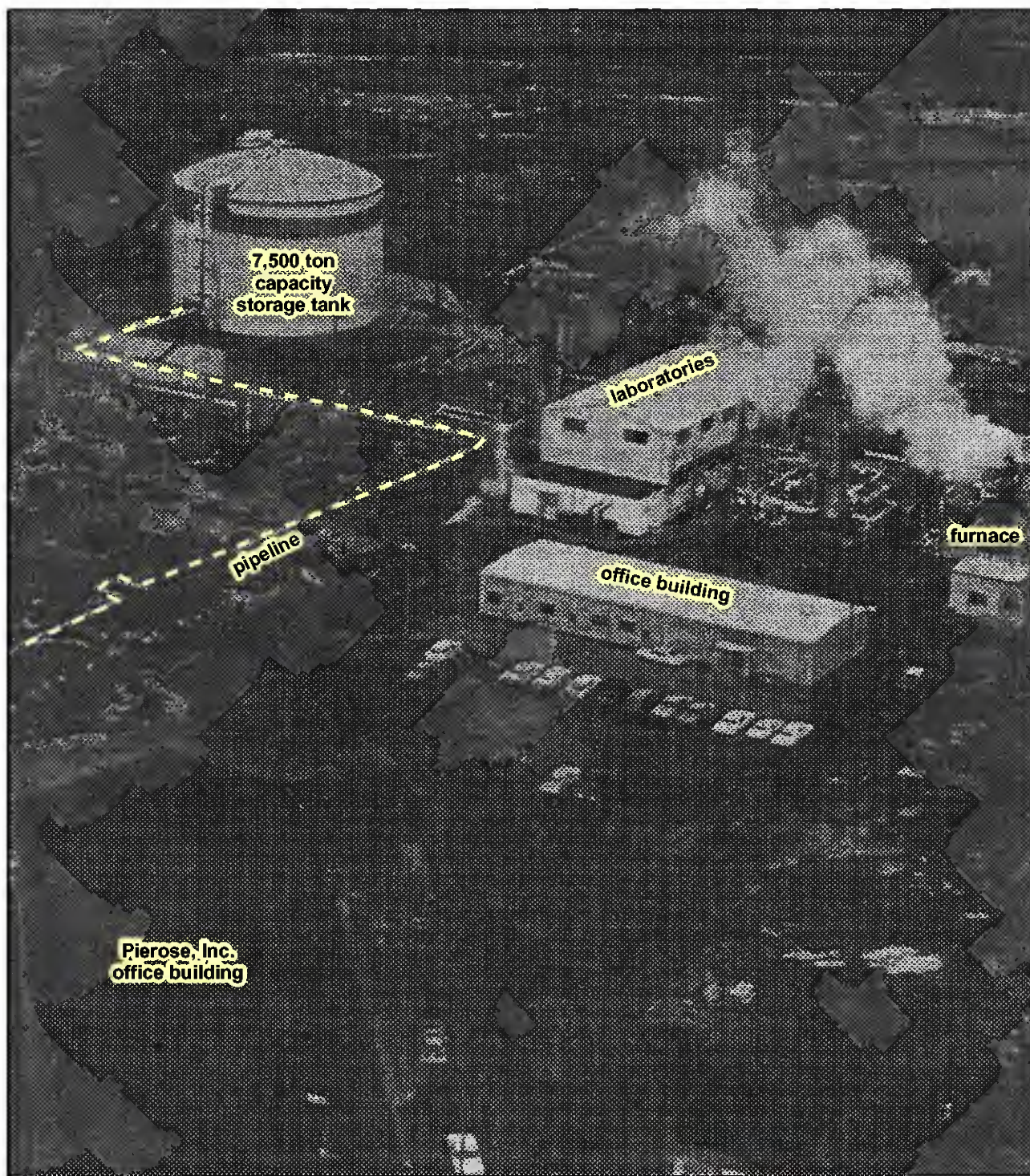
Figure 4 - 9
Two Stage Crude Pipe Still and
Associated Refinery Structures
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE: The Center for American History
 at the University of Texas at Austin
 from the ExxonMobil Historical Collection

Rev. By: CB

Contract No.: 676400000

03/21/2006



SOURCE: The Center for American History
at the University of Texas at Austin
from the ExxonMobil Historical Collection
Olean Times, Olean, NY
April 4, 1967 newspaper article

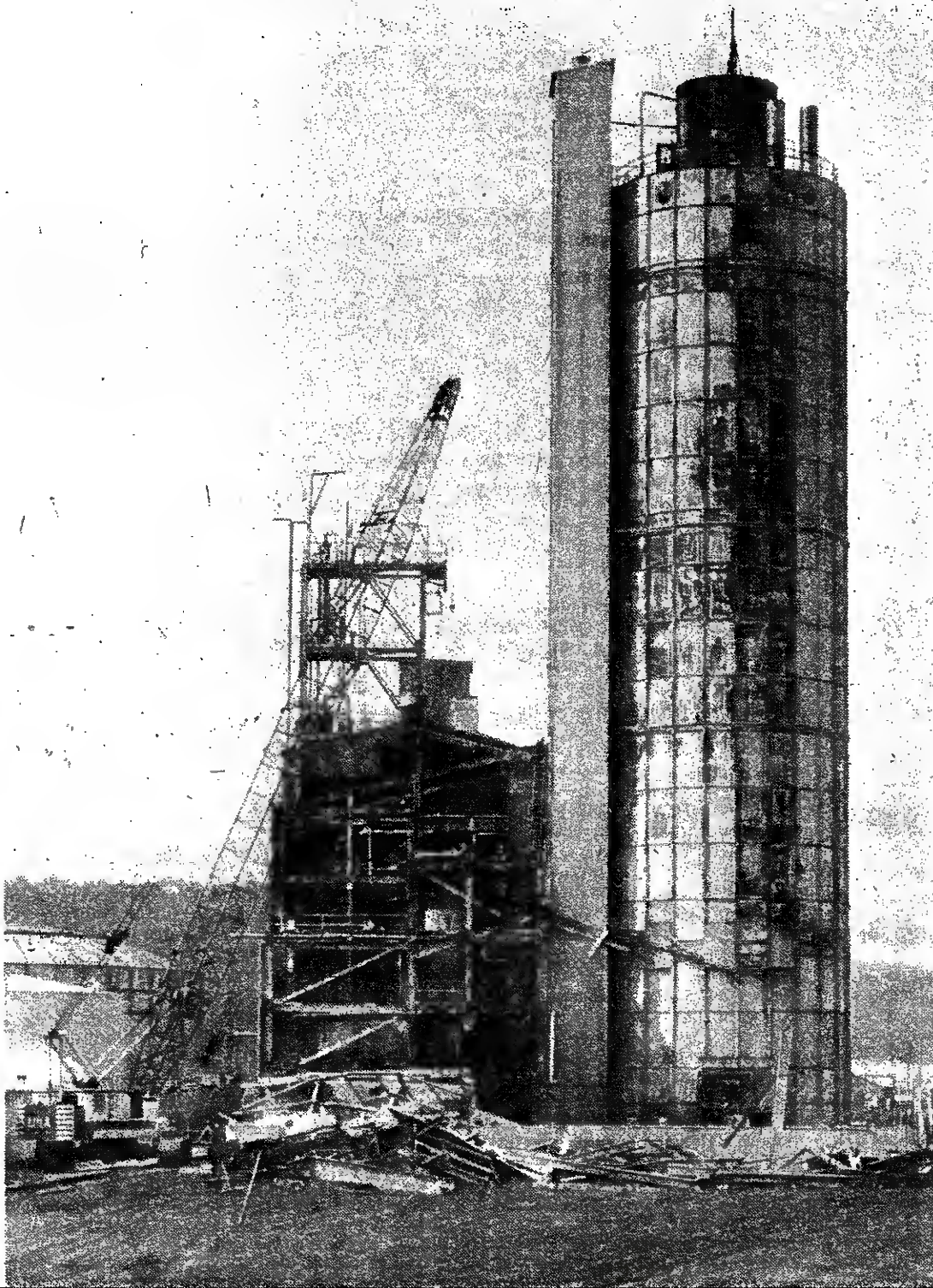


Figure 6 - 1
1967 Former Felmont Oil Corporation Plant
Former Socony-Vacuum Oil Refinery
Olean, New York

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Contract No.: 676400000

03/10/2006



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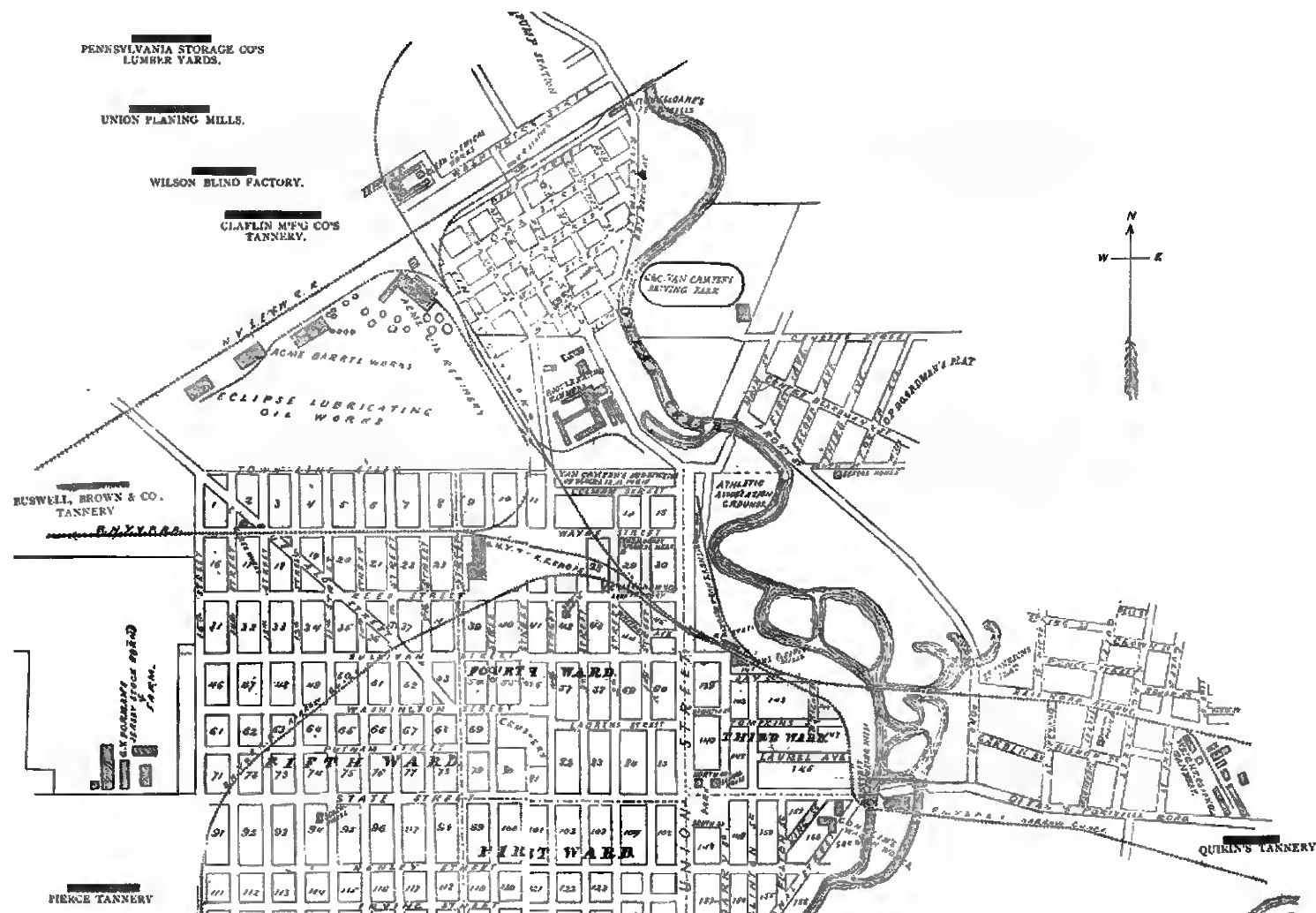
Figure 6 - 2
Agway's Urea Prill Tower
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE: The Times Herald, Olean, NY
June 8, 1984 newspaper article

Rev. By: CB

Contract No.: 676400000

03/20/2006



SOURCE: Olean City Directory, 1893 - 1894
 Compiled by Thompson and Sibley
 Olean, Cattaraugus County, New York website

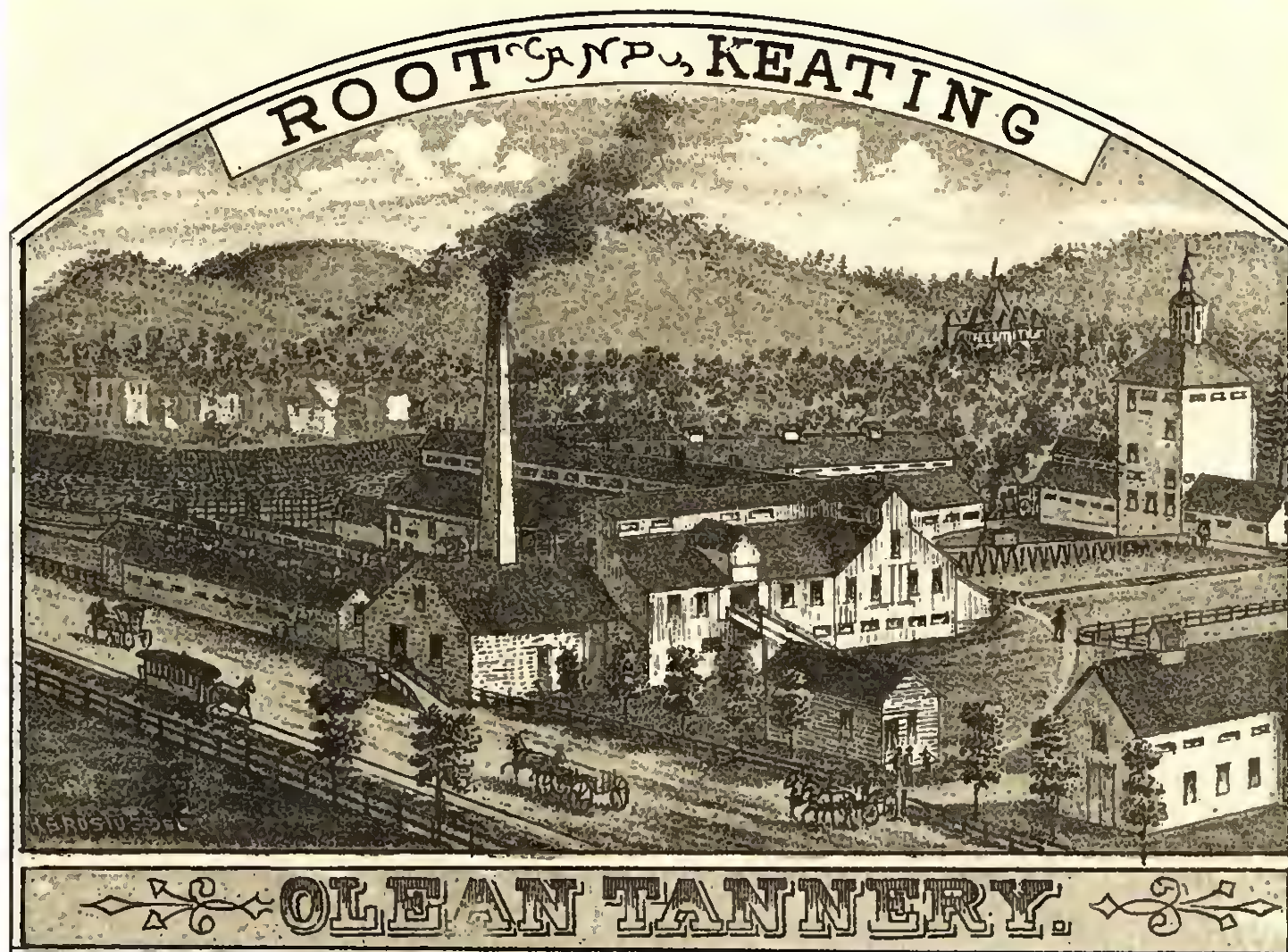


Figure 7 - 1
 1893 - 1894 Olean Street Map
 Former Socony-Vacuum Oil Refinery
 Olean, New York

Rev. By: CB

Contract No.: 676400000

03/21/2006



SOURCE: Bird's eye view of Olean, Cattaraugus County, NY
 1882. H. Brosius, del. Beck & Pauli, lithographers
 American Memory Map Collection
 Library of Congress Geography and Map Division

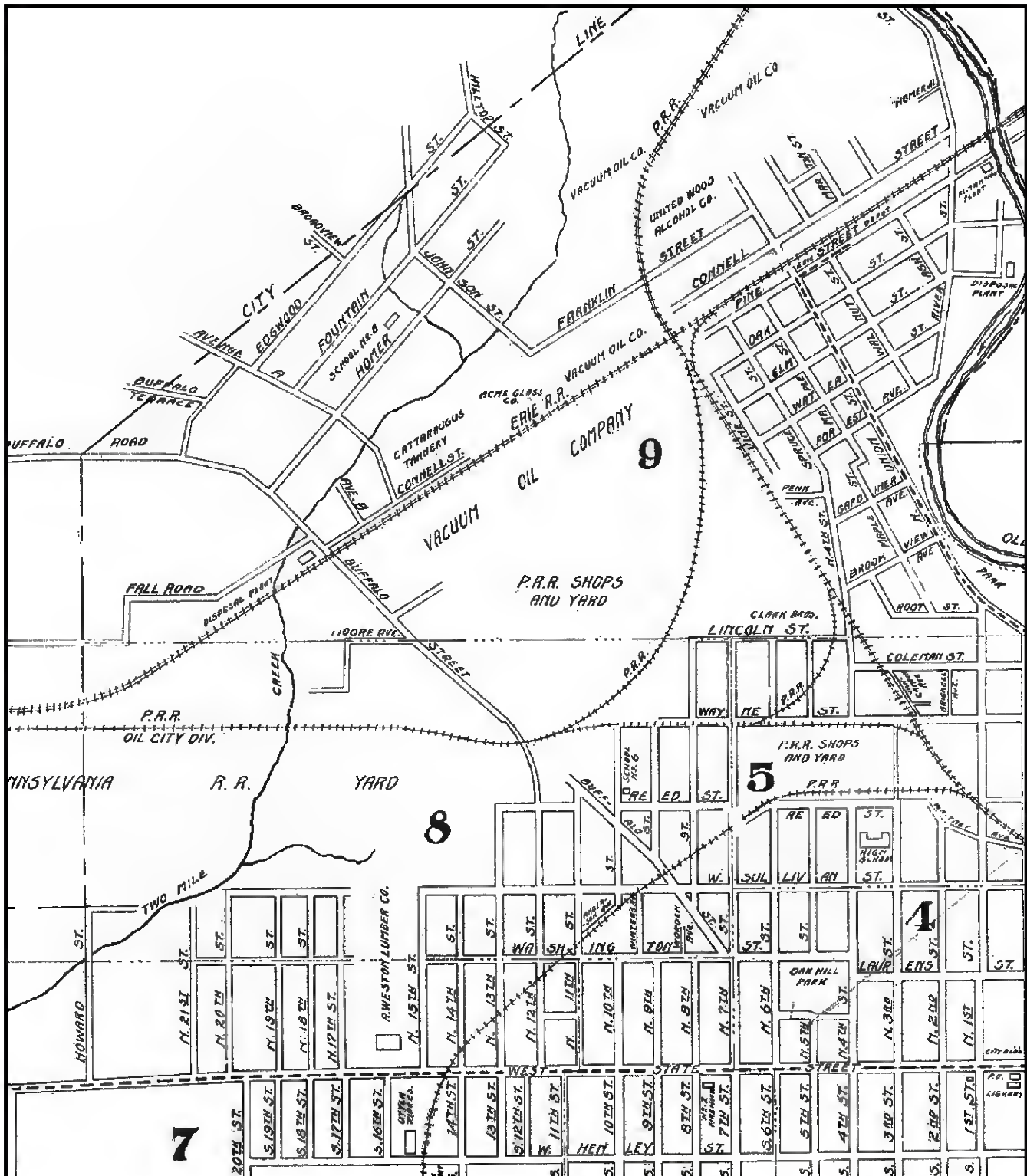
amec Earth & Environmental

Figure 7 - 2
 1882 Diagram of the Root and Keating Tannery
 Former Socony-Vacuum Oil Refinery
 Olean, New York

Rev. By: CB

Contract No.: 676400000

03/20/2006



amec Earth & Environmental

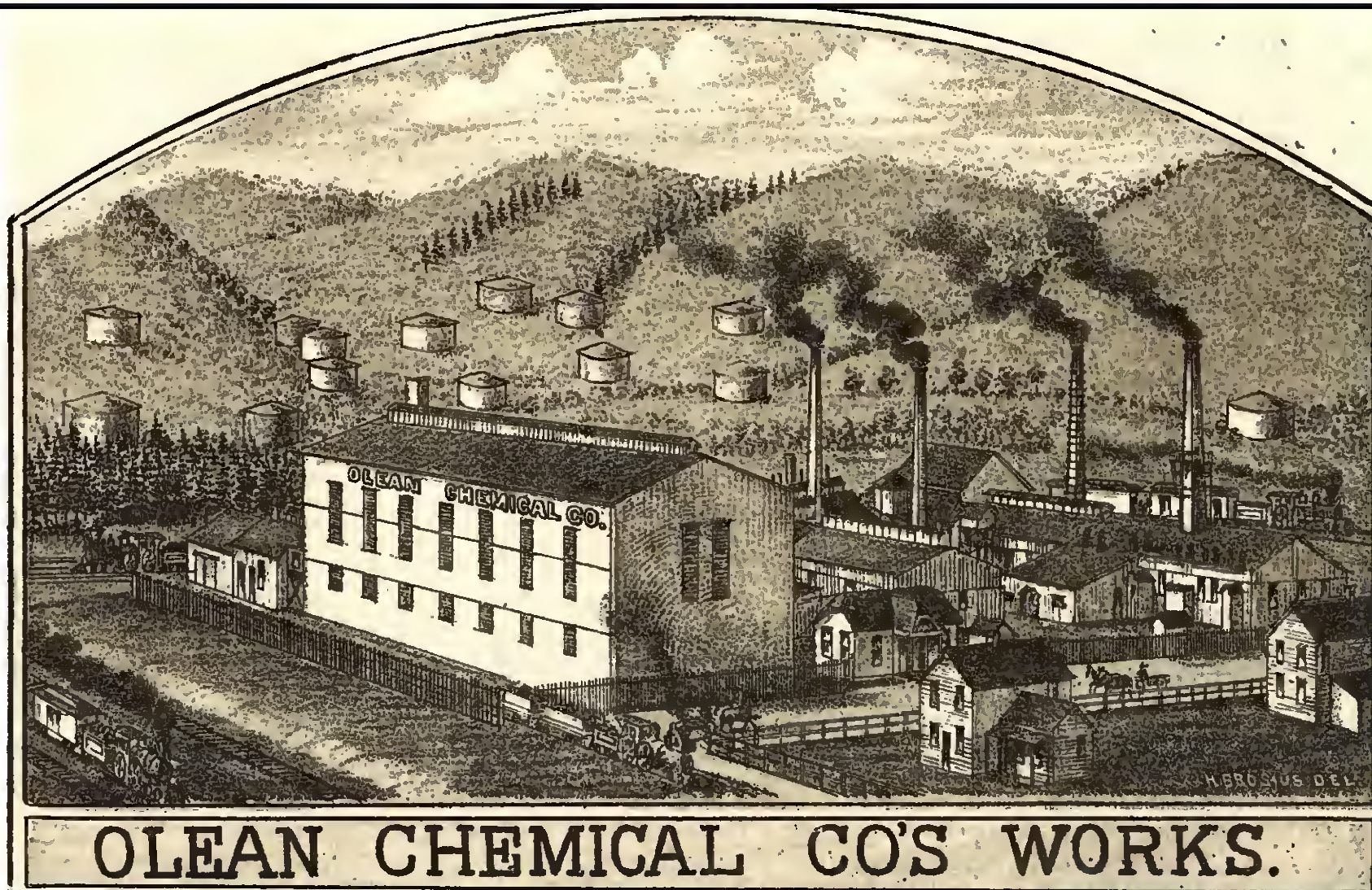
Figure 7 - 3
Undated Olean Street Map (1912-1916)
Former Socony-Vacuum Oil Refinery
Olean, New York

SOURCE: Cattaraugus County Historical Society
Little Valley, NY

Rev. By: CB

Contract No.: 676400000

03/21/2006



SOURCE: Bird's eye view of Olean, Cattaraugus County, NY
1882. H. Brosius, del. Beck & Pauli, lithographers
American Memory Map Collection
Library of Congress Geography and Map Division

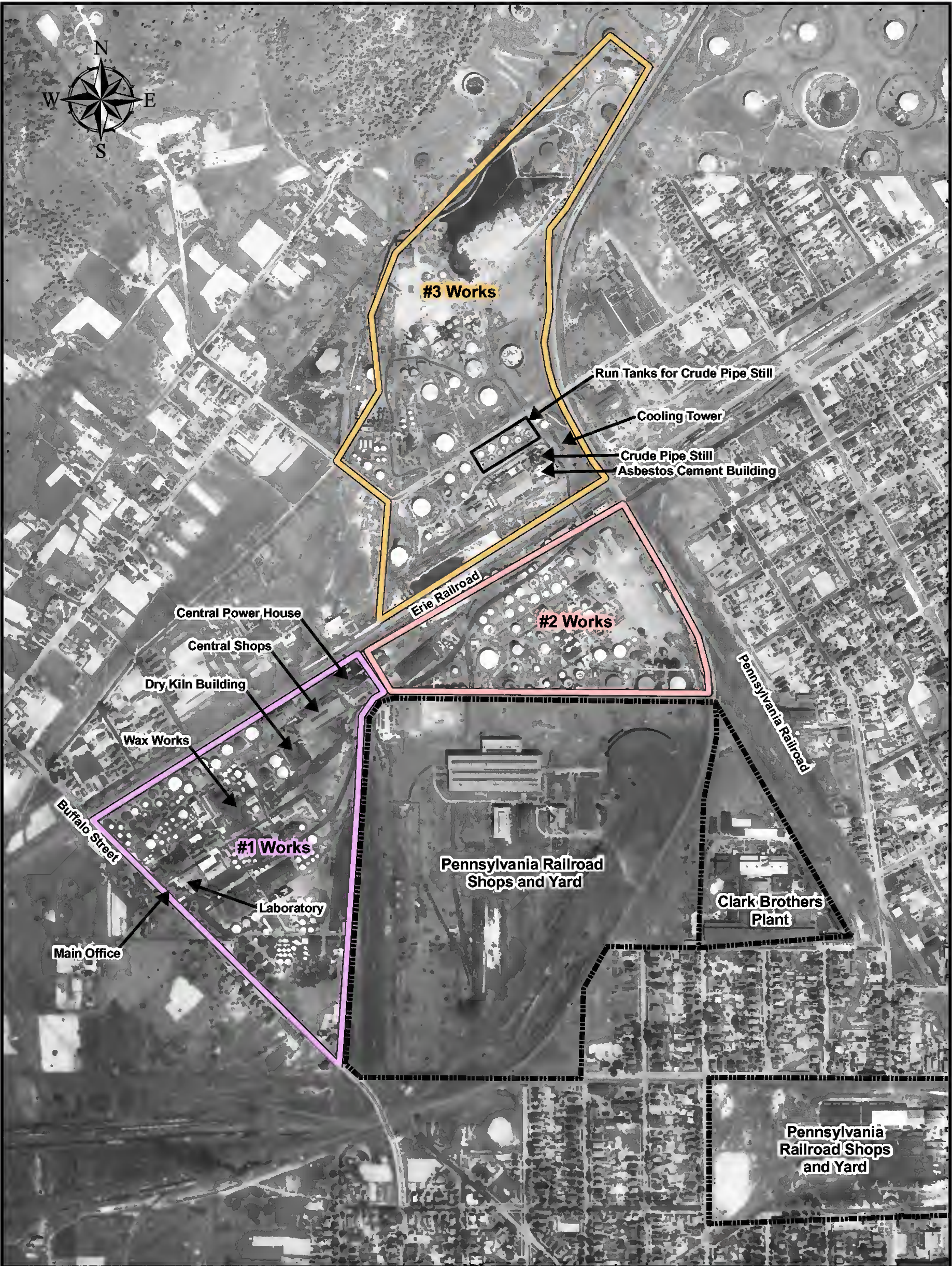
amec Earth & Environmental

Figure 7 - 4
1882 Diagram of the Olean Chemical Works Plant
Former Socony-Vacuum Oil Refinery
Olean, New York

Rev. By: CB

Contract No.: 676400000

03/20/2006



Note: Property boundaries are approximate based on current tax map interpretation.

Source: Olean, New York, May 25, 1939
aerial cartographic scanned image
www.asmanphoto.com, 38-39-may-25-1939.tif

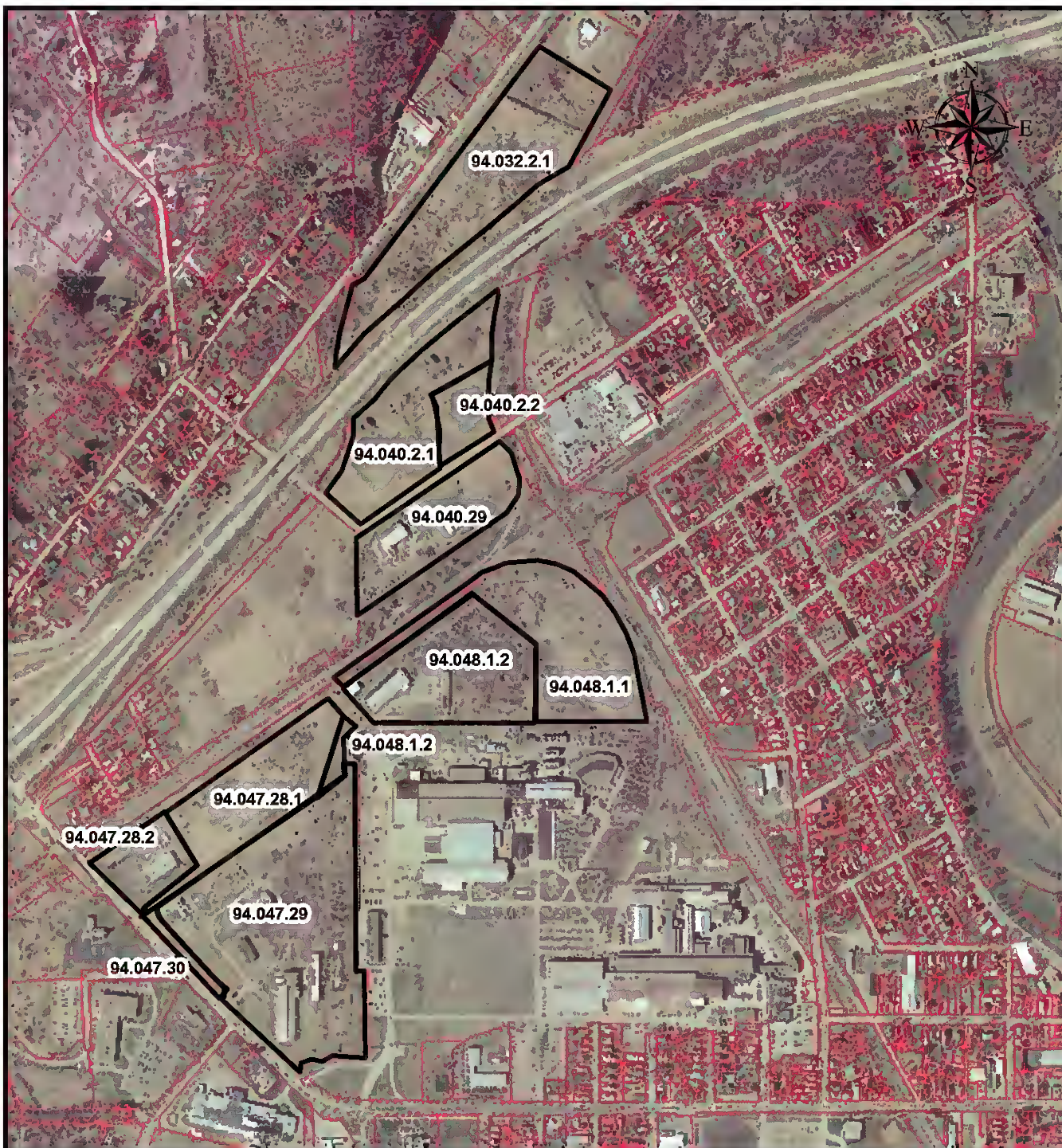
amec Earth & Environmental

Figure 7 - 5
1939 Site Aerial Photograph
Former Socony-Vacuum Oil Refinery
Olean, New York

Rev. By: CB

Contract No.: 676400000

04/19/2006



Note: Property boundaries are approximate based on current tax map interpretation.

SOURCE: Cattaraugus County Real Property Service
Interactive Parcel Map, 2006
www.cattco.org

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Figure 8 - 1
Tax Parcel Map of Former Refinery Property
Former Socony-Vacuum Oil Refinery
Olean, New York

Rev. By: CB

Contract No.: 676400000

03/20/2006

Appendix A

Photographic Log of February

2006 Site Visit



Photo 1: Western edge of the former refinery property along Buffalo Street, facing northwest. Erie Railroad tracks running perpendicular in the background.



Photo 2: Western edge of the former refinery property (southern part of former #1 Works area) along Buffalo Street, facing south.



Photo 3: Looking directly north, between the eastern border of the former #1 Works refinery area and the western border of the Dresser-Rand facility.



Photo 4: The northwestern portion of the former refinery (northern part of former #1 Works), facing north.



Photo 5: The central portion of the former #1 Works refinery area, facing east.



Photo 6: Southwestern section of the former #1 Works refinery area, facing northeast.



Photo 7: Southwestern section of the former #1 Works refinery area, facing southeast.



Photo 8: Northeastern portion of the former #1 Works area. This photo depicts the area between the former Agway-Felmont complex pipeline and the Erie Railroad tracks, facing northwest.



Photo 9: Northeastern portion of the former #1 Works area, facing northeast. The former #2 Works area was located just east/northeast of this photo and the former #3 Works area was located just beyond the Erie tracks which are in the background of this photo.



Photo 10: Photo of Harris Supply Company, Inc. located at the corner of Buffalo Street and the Erie Railroad tracks. This was the area formerly occupied by the Eclipse Lubricating Oil Works and the #1 Works area of the Socony-Vacuum Oil refinery.



Photo 11: Harris Supply Company, Inc. occupying parcel 94.047.28.2, facing northeast.



Photo 12: One of the former Agway buildings still remaining on the former refinery Site, just east of Buffalo Street, facing northeast.



Photo 13: The northwestern wall of the building depicted in Photo #12, facing southeast.



Photo 14: Another former Agway building still remaining on the former refinery Site, just east of Buffalo Street, facing southeast.



Photo 15: Southern wall of the building depicted in Photo #14, facing North.



Photo 16: Former Agway guard station along Buffalo Street, facing south.



Photo 17: The Agway Industrial Park sign at the former Agway entrance off of Buffalo Street.



Photo 18: Realtor sign on the former #1 Works refinery area property, parcel 94.047.29.



Photo 19: Photo showing the former #1 Works refinery area property for sale sign, located on parcel 94.047.28.1.



Photo 20: The northwest section of the former refinery property (#1 Works), showing the former Agway-Felmont complex ammonia pipeline, facing east.



Photo 21: Photo showing the ammonia pipe line that was used by the former Agway-Felmont fertilizer complex. Most of the line runs parallel to, and just south of, the Erie Railroad tracks. Archway depicted in Photo 23 can be seen in the background.



Photo 22: Close up photo of the former ammonia pipeline used by Agway and Felmont along the border between parcels 94.047.28.1 and 94.047.29.



Photo 23: Arch in the former ammonia pipeline located near the intersection of parcels 94.048.1.2, 94.047.28.1 and 94.047.29, facing southeast.



Photo 24: Gas line structure located just northeast of the pipeline arch depicted in the previous photo.

Appendix B

EDR Radius Map Report



The EDR Radius Map with GeoCheck®

**Former Vacuum Oil Company
Buffalo Street/Wayne Street
Olean, NY 14760**

Inquiry Number: 1608251.2s

February 07, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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 <u>GEOCHECK ADDENDUM</u>	
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BUFFALO STREET/WAYNE STREET
OLEAN, NY 14760

COORDINATES

Latitude (North):	42.090300 - 42° 5' 25.1"
Longitude (West):	78.443200 - 78° 26' 35.5"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	711461.6
UTM Y (Meters):	4662752.0
Elevation:	1427 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	42078-A4 OLEAN, NY
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
Delisted NPL.....	National Priority List Deletions
NPL Liens.....	Federal Superfund Liens
RCRA-TSDF.....	Resource Conservation and Recovery Act Information
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
DOD.....	Department of Defense Sites

EXECUTIVE SUMMARY

FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

DEL SHWS	Delisted Registry Sites
SWF/LF	Facility Register
SWRCY	Registered Recycling Facility List
SWTIRE	Registered Waste Tire Storage & Facility List
MOSF UST	Major Oil Storage Facilities Database
MOSF AST	Major Oil Storage Facilities Database
NY Spills	Spills Information Database
NY Hist Spills	SPILLS Database
ENG CONTROLS	Registry of Engineering Controls
INST CONTROL	Registry of Institutional Controls
VCP	Voluntary Cleanup Agreements
DRYCLEANERS	Registered Drycleaners
SPDES	State Pollutant Discharge Elimination System
AIRS	Air Emissions Data

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
----------------------------	---------------------

EDR PROPRIETARY RECORDS

Manufactured Gas Plants ...	EDR Proprietary Manufactured Gas Plants
EDR Auto Stations	EDR Proprietary Historic Gas Stations
EDR Cleaners	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 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. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

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.

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

EXECUTIVE SUMMARY

FEDERAL RECORDS

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, 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.

A review of the CERCLIS list, as provided by EDR, and dated 10/24/2005 has revealed that there is 1 CERCLIS site within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
VAN DER HORST CORP OF AMERICA	314 PENN AVENUE	1/4 - 1/2 E	G22	89

CERCLIS-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.

A review of the CERCLIS-NFRAP list, as provided by EDR, and dated 10/24/2005 has revealed that there are 2 CERCLIS-NFRAP sites within approximately 0.625 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FELMONT	1439 BUFFALO STREET	1/4 - 1/2 SW	4	15
CF INDUSTRIES INC OLEAN NITROG	1446 BUFFALO STREET	1/4 - 1/2 SW	B9	59

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 10/13/2005 has revealed that there are 2 CORRACTS sites within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LOCTITE CORPORATION	211 FRANKLIN STREET	1/4 - 1/2 NNE	D29	105
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CF INDUSTRIES INC OLEAN NITROG	1446 BUFFALO STREET	1/4 - 1/2 SW	B9	59

EXECUTIVE SUMMARY

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/15/2005 has revealed that there are 2 RCRA-LQG sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DRESSER IND INC DRESSER CLARK	5TH ST	1/4 - 1/2 SE	A7	55
CYTEC OLEAN INCORPORATED	1405 BUFFALO ST.	1/4 - 1/2 SSW	C12	62

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/15/2005 has revealed that there are 12 RCRA-SQG sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RUPP RENTAL & SALES CORP	355 FRANKLIN ST	1/4 - 1/2 N	3	15
R G SCOTT	900 W CONNELL ST	1/4 - 1/2 NNE	D14	79
ADVANCED MONOLYTHIC CERAMICS	1010 WAYNE ST	1/4 - 1/2 SSE	E16	83
NYS POLICE WESTERN REGIONAL CR	722 HOMER ST	1/4 - 1/2 NW	F17	83
NYS POLICE WESTERN CRIME LABOR	722 HOMER ST	1/4 - 1/2 NW	F20	88
R G SCOTT	314 PENN AVE	1/4 - 1/2 E	G21	88
VAN DER HORST CORP OF AMERICA	314 PENN AVENUE	1/4 - 1/2 E	G22	89
VAN DER HORS	314 PENN AVENUE	1/4 - 1/2 E	G23	91
UNI-MARTS INC	9TH AT WAYNE STS	1/4 - 1/2 SSE	E26	97
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CF INDUSTRIES INC OLEAN NITROG	1446 BUFFALO STREET	1/4 - 1/2 SW	B9	59
FELMONT OIL CORP CHEMICAL DIV	1446 BUFFALO ST	1/4 - 1/2 SW	B10	61
AGWAY OLEAN NITROGEN COMPLEX	1446 BUFFALO ST	1/4 - 1/2 SW	B11	61

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

HSWDS:The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the HSWDS list, as provided by EDR, and dated 09/01/2002 has revealed that there is 1 HSWDS site within approximately 0.625 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AGWAY FELMONT	BUFFALO STREET	1/8 - 1/4 SW	1	6

SHWS:The State Hazardous Waste Sites 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. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, and dated 12/30/2005 has revealed that there is 1 SHWS site within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
VAN DER HORST CORPORATION Class Code: Site is properly closed - requires continued management.	314 PENN AVENUE	1/4 - 1/2 E	G24	91

LTANKS:Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 12/08/2005 has revealed that there are 6 LTANKS sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CYTEC OLEAN INCORPORATED Date Closed: 09/14/90 Date Closed: 12/30/91	1405 BUFFALO ST.	1/4 - 1/2 SSW	C12	62
NYS POLICE/NYSOGS Date Closed: 03/17/99	722 HOMER STREET	1/4 - 1/2 NW	F19	85
MCKEAN MACHINERY SALES, INC. Date Closed: 02/12/98	921 N.4TH ST.	1/4 - 1/2 E	G27	97
PROPOSED HAMPTON INN SITE Date Closed: 06/28/96	1128 BUFFALO STREET	1/4 - 1/2 S	30	108
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AGWAY FELMONT Date Closed: 04/28/87	BUFFALO STREET	1/8 - 1/4 SW	1	6

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BELL ATLANTIC GARAGE Date Closed: 08/05/98	1480 BUFFALO STREET	1/4 - 1/2 WSW 28		102

HIST LTANKS:A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 6 HIST LTANKS sites within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CYTEC OLEAN INCORPORATED	1405 BUFFALO ST.	1/4 - 1/2 SSW	C12	62
NYS POLICE/NYSOGS	722 HOMER STREET	1/4 - 1/2 NW	F19	85
MCKEAN MACHINERY SALES, INC.	921 N.4TH ST.	1/4 - 1/2 E	G27	97
PROPOSED HAMPTON INN SITE	1128 BUFFALO STREET	1/4 - 1/2 S	30	108
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
AGWAY FELMONT	BUFFALO STREET	1/8 - 1/4 SW	1	6
BELL ATLANTIC GARAGE	1480 BUFFALO STREET	1/4 - 1/2 WSW 28		102

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 come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 6 UST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DRESSER RAND	NORTH 5TH ST	1/4 - 1/2 SE	A6	20
CONAP INC	1405 BUFFALO ST	1/4 - 1/2 SSW	C13	78
WESTERN REGIONAL CRIME LABORAT	722 HOMER STREET	1/4 - 1/2 NW	F18	84
VAN DER HORST CORP OF AMERICA	314 PENN AVENUE	1/4 - 1/2 E	G22	89
UNI-MART #05019	9TH AT WAYNE ST.	1/4 - 1/2 SSE	E25	94
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
VAN DER HORST CORP OF AMERICA	900 W CONNELL ST	1/8 - 1/4 W	2	13

CBS UST:Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the CBS UST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1

EXECUTIVE SUMMARY

CBS UST site within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DRESSER RAND TURBO PRODUCTS DI	PO BOX 560	1/4 - 1/2 SE	A5	16

AST:The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 4 AST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DRESSER RAND	NORTH 5TH ST	1/4 - 1/2 SE	A6	20
ANDERSON EQUIPMENT COMPANY (NY	355 EAST FRANKLIN STREE	1/4 - 1/2 NNE	D15	80
VAN DER HORST CORP OF AMERICA	314 PENN AVENUE	1/4 - 1/2 E	G22	89
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
VAN DER HORST CORP OF AMERICA	900 W CONNELL ST	1/8 - 1/4 W	2	13

CBS AST:Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 CBS AST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DRESSER RAND TURBO PRODUCTS DI	PO BOX 560	1/4 - 1/2 SE	A5	16
CYTEC OLEAN INCORPORATED	1405 BUFFALO ST.	1/4 - 1/2 SSW	C12	62

BROWNFIELDS:Brownfields Site List

A review of the BROWNFIELDS list, as provided by EDR, and dated 12/30/2005 has revealed that there is 1 BROWNFIELDS site within approximately 0.625 miles of the target property.

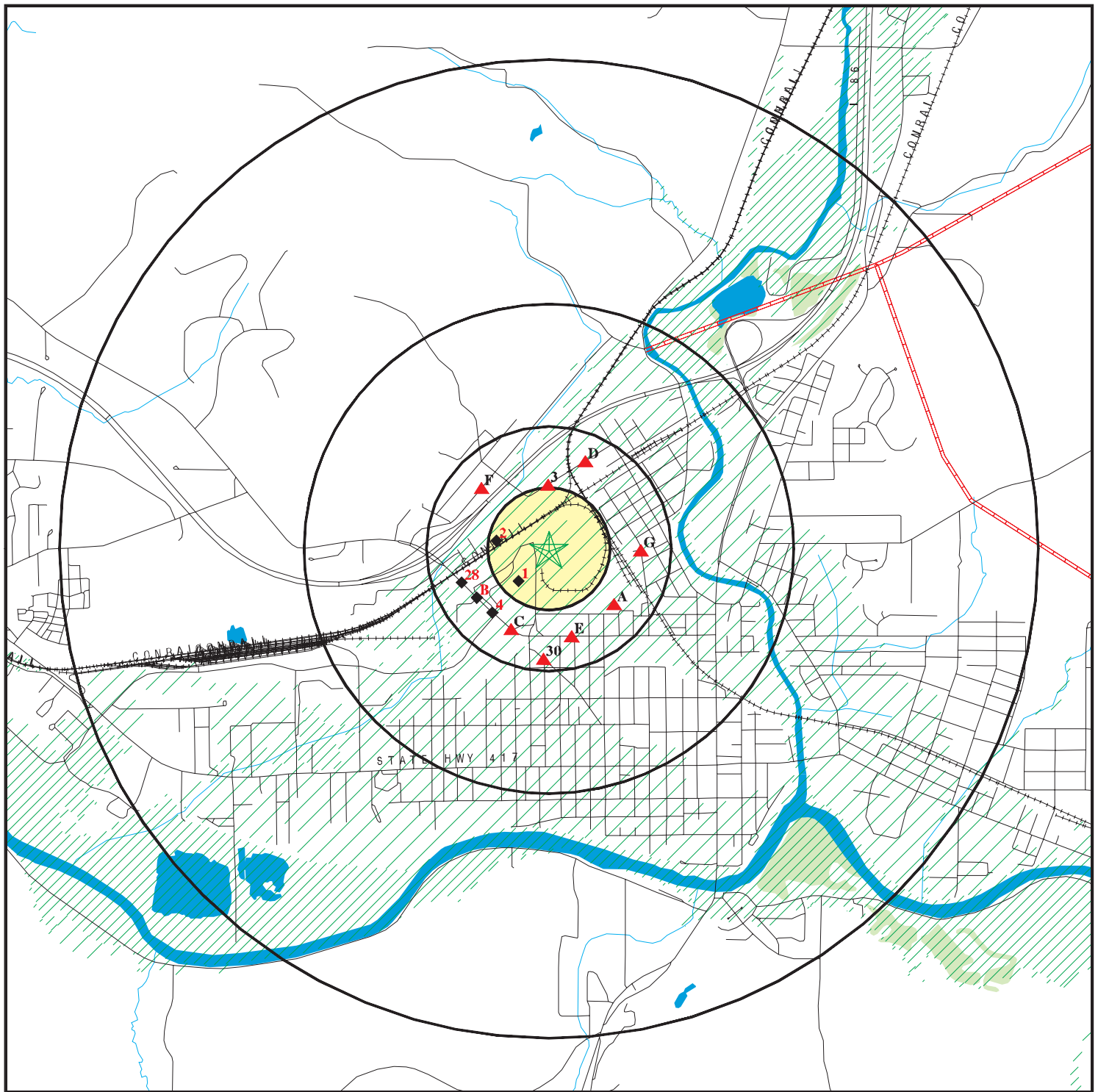
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FORMER FELMONT OIL SITE	1446 BUFFALO STREET	1/4 - 1/2 SW	B8	57

EXECUTIVE SUMMARY

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

Site Name	Database(s)
VAN DER HORST PLANT NO. 2	SHWS
OLEAN WELL FIELD; TCE CONTAMINATIO	SHWS
OLEAN STEEL SALES & SERVICE	CERCLIS, RCRA-SQG, FINDS
LEE'S SEPTIC SERVICE	SWF/LF
LEAKING TRUCK ON ROUTE 16	LTANKS, HIST LTANKS
CRUDE OIL LEAK	LTANKS
MEYER BARNARD CHEV GEO INC	RCRA-SQG, FINDS
NYSDOT	RCRA-SQG, FINDS
NYSDOT	RCRA-SQG, FINDS
NYSDOT BIN 1092061&2	RCRA-SQG, FINDS
NYSDOT BIN 1092040	RCRA-SQG, FINDS
C G S T - HEBRON MEASURING STATION	RCRA-SQG
NYSDOT	RCRA-SQG, FINDS
NYSDOT D256580 BIN 1092071	RCRA-SQG, FINDS
NYSDOT D256580 BIN 1092072	RCRA-SQG, FINDS
NYSDOT D256580 BIN 1092081	RCRA-SQG, FINDS
NYSDOT D256580 BIN 1092082	RCRA-SQG, FINDS
OIL IN CREEK	NY Spills, NY Hist Spills
OIL IN POND IN FORNESS PK	NY Spills, NY Hist Spills
CATTARAUGUS COUNTY DEV.	NY Spills, NY Hist Spills
OIL IN GRAVEL PIT WATER	NY Spills, NY Hist Spills
CRUDE OIL WELL	NY Spills, NY Hist Spills
CONRAIL	NY Spills, NY Hist Spills
ANTIFREEZE SPILL	NY Spills
HASTING ROAD BRIDGE	NY Spills, NY Hist Spills
FORMER SOCONY VACUUM	NY Spills
FORMER HONDA DEALER	NY Spills, NY Hist Spills
JOHN WISE OIL LEASE	NY Spills, NY Hist Spills
OIL WELL-OLEAN	NY Spills, NY Hist Spills
NYSEG - CRUDE OIL LINE	NY Spills, NY Hist Spills
NYSEG CRUDE OIL #2	NY Spills, NY Hist Spills
CAMPBELL OIL CO	NY Spills, NY Hist Spills
CAMPBELL OIL	NY Spills, NY Hist Spills
BRADNER STATIUM	NY Spills, NY Hist Spills
OLEAN STEEL SALES	NY Spills, NY Hist Spills
TERRY'S AUTOMOTIVE	NY Spills, NY Hist Spills
COLUMBIA GAS TRANSMISSION	NY Spills, NY Hist Spills
ROUTE 17	NY Spills, NY Hist Spills
ROUNDS GARAGE	NY Spills, NY Hist Spills
NIAGARA MOHAWK POLE	NY Spills, NY Hist Spills
NYSDEC - OLEAN	NY Spills, NY Hist Spills
GREAT WALL CHINESE REST.	NY Spills, NY Hist Spills
ON THE ROADWAY	NY Spills
OIL DUMPING - STORM SEWER	NY Spills, NY Hist Spills
CRUDE OIL LEAK - PIPELINE	NY Spills, NY Hist Spills
OIL IN PIPE OUTFALL	NY Spills, NY Hist Spills

OVERVIEW MAP - 1608251.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- State Wetlands

0 1/2 1 2 Miles

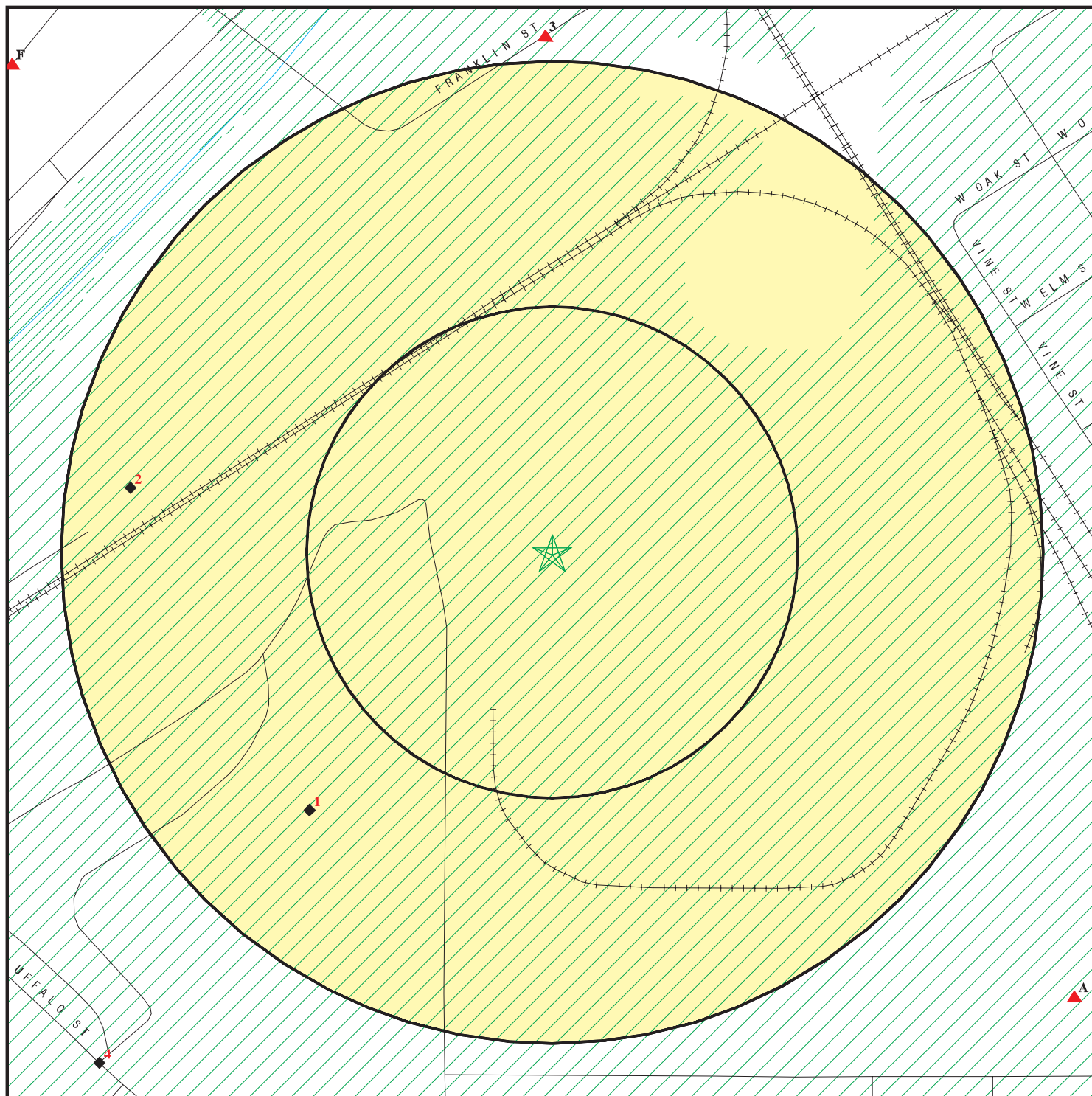


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Vacuum Oil Company
 ADDRESS: Buffalo Street/Wayne Street
 Olean NY 14760
 LAT/LONG: 42.0903 / 78.4432

CLIENT: AMEC Earth & Environmental
 CONTACT: Christy Benes
 INQUIRY #: 1608251.2s
 DATE: February 07, 2006

DETAIL MAP - 1608251.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚒 National Priority List Sites
- 🗑 Landfill Sites
- 🏢 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- 🛢 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone

0 1/16 1/8 1/4 Miles



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Vacuum Oil Company
 ADDRESS: Buffalo Street/Wayne Street
 Olean NY 14760
 LAT/LONG: 42.0903 / 78.4432

CLIENT: AMEC Earth & Environmental
 CONTACT: Christy Benes
 INQUIRY #: 1608251.2s
 DATE: February 07, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.125	0	0	0	0	0	0
Proposed NPL		1.125	0	0	0	0	0	0
Delisted NPL		1.125	0	0	0	0	0	0
NPL Liens		0.125	0	NR	NR	NR	NR	0
CERCLIS		0.625	0	0	1	0	NR	1
CERC-NFRAP		0.625	0	0	2	0	NR	2
CORRACTS		1.125	0	0	2	0	0	2
RCRA TSD		0.625	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.375	0	0	2	NR	NR	2
RCRA Sm. Quan. Gen.		0.375	0	0	12	NR	NR	12
ERNS		0.125	0	NR	NR	NR	NR	0
HMIRS		0.125	0	NR	NR	NR	NR	0
US ENG CONTROLS		0.625	0	0	0	0	NR	0
US INST CONTROL		0.625	0	0	0	0	NR	0
DOD		1.125	0	0	0	0	0	0
FUDS		1.125	0	0	0	0	0	0
US BROWNFIELDS		0.625	0	0	0	0	NR	0
CONSENT		1.125	0	0	0	0	0	0
ROD		1.125	0	0	0	0	0	0
UMTRA		0.625	0	0	0	0	NR	0
ODI		0.625	0	0	0	0	NR	0
TRIS		0.125	0	NR	NR	NR	NR	0
TSCA		0.125	0	NR	NR	NR	NR	0
FTTS		0.125	0	NR	NR	NR	NR	0
SSTS		0.125	0	NR	NR	NR	NR	0
PADS		0.125	0	NR	NR	NR	NR	0
MLTS		0.125	0	NR	NR	NR	NR	0
MINES		0.375	0	0	0	NR	NR	0
FINDS		0.125	0	NR	NR	NR	NR	0
RAATS		0.125	0	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
HSWDS		0.625	0	1	0	0	NR	1
State Haz. Waste		1.125	0	0	1	0	0	1
DEL SHWS		1.125	0	0	0	0	0	0
State Landfill		0.625	0	0	0	0	NR	0
SWRCY		0.625	0	0	0	0	NR	0
SWTIRE		0.625	0	0	0	0	NR	0
LTANKS		0.625	0	1	5	0	NR	6
HIST LTANKS		0.625	0	1	5	0	NR	6
UST		0.375	0	1	5	NR	NR	6
CBS UST		0.375	0	0	1	NR	NR	1
MOSF UST		0.625	0	0	0	0	NR	0
AST		0.375	0	1	3	NR	NR	4
CBS AST		0.375	0	0	2	NR	NR	2
MOSF AST		0.625	0	0	0	0	NR	0
NY Spills		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
NY Hist Spills		0.250	0	0	NR	NR	NR	0
ENG CONTROLS		0.625	0	0	0	0	NR	0
INST CONTROL		0.625	0	0	0	0	NR	0
VCP		0.625	0	0	0	0	NR	0
DRYCLEANERS		0.375	0	0	0	NR	NR	0
BROWNFIELDS		0.625	0	0	1	0	NR	1
SPDES		0.125	0	NR	NR	NR	NR	0
AIRS		0.125	0	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.125	0	0	0	0	0	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.125	0	0	0	0	0	0
EDR Auto Stations		0.375	0	0	0	NR	NR	0
EDR Cleaners		0.375	0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
SW
1/8-1/4
952 ft.

AGWAY FELMONT
BUFFALO STREET
OLEAN, NY 14760

LTANKS
HSWDS
HIST LTANKS

1000353052
N/A

Relative:
Lower

NY HSWDS:

Actual:
1425 ft.

Facility ID: HS9003
Facility Status: Unknown
Owner Type: Puplic
Owner: Agway Incorporated
Owner Address: POBox 4933
Syracuse, NY 13321-4933
Owner Phone: (315)477-6431
Operator Type: Puplic
Operator: Same
Operator Address: Same
Operator Phone: Same
Registry: D
Registry Site ID: 905001
Quadrangle: Unknown
Acres: 0.00
Operator Date: Unknown
Completed: Unknown
Region: 9

EPA ID: None

RCRA Permitted: Unknown
Lat/Long: Unknown / Unknown

Close Date: Unknown
Active: Unknown

Volatile Organic Compounds Disposed: No
Semi Volatile Organic Compounds Disposed: No
PCB's Disposed: No
Pesticides Disposed: No
Metals Disposed: No
Asbestos Disposed: No
Analytical Info Exists for Air: Not reported
Analytical Info Exists for Ground: None
Analytical Info Exists for Surface: Not reported
Analytical Info Exists for Sediments: Not reported
Analytical Info Exists for Surface Soil: Not reported
Analytical Info Exists for Substance: Not reported
Analytical Info Exists for Waste: Not reported
Analytical Info Exists for Leachate: Not reported
Analytical Info Exists for EP Toxicity: Not reported
Analytical Info Exists for TCLP: Not reported
Site Poses Threat to Environment/Public Health: Unknown
Surface Water Contamination: Unknown
Surface Water Body Class: Unknown
Groundwater Contamination: Unknown
Groundwater Classification: Unknown
Drinking Water Contamination: Unknown
Drinking Water Supply is Active: Unknown
Any Known Fish or Wildlife: Unknown
Hazardous Exposure: Unknown
Site Has Controlled Access: Unknown
Ambient Air Contamination: Unknown
Direct Contact: Unknown

EPA Hazardous Ranking System Score: None

Agencies: NYSDEC-DOW

Air: Not reported

Building: Not reported

Site Description: THE SITE IS NOT FELMONT OIL(905007), IN OLEAN, NY. AGWAY(905001) LIES
ADJACENT TO FELMONT OIL.

Drink: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

AGWAY FELMONT (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000353052

Eptox: Not reported
Fish: Not reported
Ground: Not reported
Hazardous Threat: AMMONIA NITRATES

A NITROGEN FERTILIZER PLANT OPERATED FROM 1966-1983. AMMONIA AND NITRATE CONTAMINATION RESULTED IN GROUNDWATER (PRINCIPAL AQUIFER) CONTAMINATION. DEC ORDERED GROUNDWATER RESTORATION FROM 1977 - 1985.

Leachate: Not reported
Preparer: JULIE WELCH ENVENGRTCH2 NYSDEC JULY 1, 1994
Sediment: Not reported
Soil: Not reported
Surface: Not reported
Status: Not reported
Surface Soil: Not reported
Surface: Not reported
TCLP: Not reported
Waste: Not reported

LTANKS:

Spill Number: 8700333
Facility ID : 8700333
Site ID : 61772
Spill Date: 04/11/87
Referred To : Not reported
Water Affected: Not reported
Spill Cause: TANK FAILURE

Region of Spill: 9
DER Facility ID : 277765
CID : Not reported
Reported to Dept: 04/11/87
DEC Region : 9
Spill Source: RAILROAD CAR

Facility Address 2: Not reported
Investigator: MJHINTON
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Company : CONRAIL
Spiller Address: HYDE PARK BOULEVARD
NIAGARA FALLS, NY

Facility Tele: Not reported
SWIS: 3200
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

Spiller County : 001
Spill Class: Not reported
Spill Closed Dt: 04/28/87
Spill Notifier: RESPONSIBLE PARTY
Cleanup Ceased: 04/28/87
Last Inspection: / /

Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Spill Record Last Update: 05/04/87
Date Spill Entered In Computer Data File: 04/14/87
Remediation Phase : 0
Program Number : 8700333
Material
Material ID : 470335
Site ID : 61772
Operable Unit : 01
Operable Unit ID : 906401
Material Code : 0039A
Material Name : SULFURIC ACID
Case No. : 07664939

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

AGWAY FELMONT (Continued)

1000353052

Material FA : Hazardous Material
Quantity : Not reported
Units : G
Recovered : Not reported
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
Resource Affected - Surface Water : No
Resource Affected - Drinking Wtr : No
Resource Affected - Sewer : No
Resource Affected - Impervious Surface : No
Resource Affected - Subway : No
Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False

Tank Test

Spill Tank Test : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "MJH"
 / / : NOTIFIED NCHD, ROSSITE, 04/11/87 1535; NCHD 04/11/87, CLEANUP
 REQUIRED AND UNDERWAY. / / : NCHD INVESTIGATED AND SUBMITTED
 REPORT, SATISFIED W/ CLEANUP NO FURTHER
 ACTION REQUIRED.

Remark: Not reported

HIST LTANKS:

Spill Number:	8080623	Region of Spill:	8
Spill Date:	06/23/1980	Reported to Dept:	09/26/80 16:00
Water Affected:	Not reported	Spill Source:	Unknown
Resource Affectd:	Air		
Spill Cause:	Tank Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	AS	SWIS:	18
Caller Name:	Not reported	Caller Agency:	Not reported
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:	CONRAIL RAILROAD		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	01/01/83		
Spill Notifier:	Health Department	PBS Number:	Not reported
Cleanup Ceased:	01/01/83		
Last Inspection:	/ /		
Cleanup Meets Standard:	True		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		

MAP FINDINGS

EDR ID Number
EPA ID Number

1000353052

Tank Test:	
PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material Class Type:	1
Quantity Spilled:	1700
Units:	Gallons
Unknown Qty Spilled:	1700
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	DIESEL
Class Type:	Petroleum
Chem Abstract Service Number:	
Last Date:	
Num Times Material Entry In File:	

Spill Number:	8700333	Region of Spill:	9
Spill Date:	04/11/1987 15:00	Reported to Dept:	04/11/87 15:15
Water Affected:	Not reported	Spill Source:	Railroad Car
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	MJH	SWIS:	29
Caller Name:	Not reported	Caller Agency:	Not reported
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:	CONRAIL		
Spiller Address:	HYDE PARK BOULEVARD NIAGARA FALLS, NY		
Spill Class:	Not reported		
Spill Closed Dt:	04/28/87		
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Cleanup Ceased:	04/28/87		
Last Inspection:	/ /		
Cleanup Meets Standard:	True		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	False		
Spill Record Last Update:	05/04/87		

1000353052

Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/14/87
Date Region Sent Summary to Central Office: / /

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	2	
Quantity Spilled:	2	
Units:	Gallons	
Unknown Qty Spilled:	2	
Quantity Recovered:	2	
Unknown Qty Recovered:	False	
Material:	SULFURIC ACID	
Class Type:	Hazardous	
Chem Abstract Service Number:		SULFURIC ACID
Last Date:		Not reported
Num Times Material Entry In File:	0	

DEC Remarks: / / : NOTIFIED NCHD, ROSSITE, 04/11/87 1535; NCHD 04/11/87, CLEANUP REQUIRED AND UNDERWAY. / / : NCHD INVESTIGATED AND SUBMITTED REPORT, SATISFIED W/ CLEANUP NO FURTHER ACTION REQUIRED.

Spill Cause: Not reported

Spill Number:	9207615	Region of Spill:	9
Spill Date:	09/30/1992 12:00	Reported to Dept:	09/30/92 12:40
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affctd:	Groundwater		
Spill Cause:	Tank Failure		
Facility Contact:	CARL GERHARDSTEIN	Facility Tele:	(215) 209-1693
Investigator:	FG	SWIS:	14
Caller Name:	Not reported	Caller Agency:	Not reported
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:	CSX		
Spiller Address:	500 WATER STREET		

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

Spill Closed Dt:	08/31/00		
Spill Notifier:	Responsible Party	PBS Number:	Not reported

Cleanup Ceased: / /

Last Inspection: 06/05/97

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended

Spiller Cleanup Date: / /

Enforcement Date: / /

Investigation Complete: / /

UST Involvement: True

Spill Record Last Update: 09/25/00

Is Updated: False

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

AGWAY FELMONT (Continued)

1000353052

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/01/92
Date Region Sent Summary to Central Office: / /

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329

Spill Cause: FOUND CONTAMINATION DURING TANK REMOVAL; HIGH GROUNDWATER TABLE.

Spill Number:	9603843	Region of Spill:	7
Spill Date:	06/15/1996 12:00	Reported to Dept:	06/20/96 14:36
Water Affected:	Not reported	Spill Source:	Tank Truck
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Facility Contact:	Not reported	Facility Tele:	() -
Investigator:	MR	SWIS:	31
Caller Name:	Not reported	Caller Agency:	Not reported
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:	GEORGE AYERS	Spiller Phone:	(315) 656-5887
Spiller:	EAGLE BROOK CO		
Spiller Address:	17877 ST CLARE AV		
	CLEVELAND, OH -		

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

Spill Closed Dt: 06/25/96
Spill Notifier: Affected Persons **PBS Number:** Not reported
Cleanup Ceased: / /

Last Inspection: 06/21/96
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 06/25/96
Is Updated: False

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/20/96
Date Region Sent Summary to Central Office: / /
Tank Test:

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

AGWAY FELMONT (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000353052

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: 2
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: FERRIC CHLORIDE
Class Type: Hazardous
Chem Abstract Service Number: FERRIC CHLORIDE
Last Date: Not reported
Num Times Material Entry In File: 0

DEC Remarks: 06/25/96:VISITED SITE. MET W/ REPRESENTATIVES FROM E.P.S.,CONTRACTOR HIR
ED BY CONRAIL TO CLEANUP THE SPILL. ALSO ON SITE WAS S.MUSCARELLA -INSUR
ANCE ADJUSTER. CLEANUP CREW CONSISTED OF FOUR MEN WITH A VAC TRUCK. SPIL
L HAD SPREAD DUE TO HEAVY RAIN. AMOUNT OF SPILL APPEARS TO BE MORE THAN
WHAT WAS REPORTED.

Spill Cause: HOSE CAME OFF TRUCK - BEING CLEANED UP NOW

Spill Number: 9806485
Spill Date: 08/26/1998 08:30
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Failure
Facility Contact: ED COLLINS
Investigator: CM
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spiller Contact: ED COLLINS
Spiller: CONRAIL
Spiller Address: 6200 GIRDEN RD
E SYRACUSE, NY

Region of Spill: 7
Reported to Dept: 08/26/98 08:42
Spill Source: Other Commercial/Industrial

Facility Tele: (716) 732-2695
SWIS: 31
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (716) 732-2695

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

Spill Closed Dt: / /

Spill Notifier: Responsible Party

PBS Number: Not reported

Cleanup Ceased: / /

Last Inspection: / /

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/27/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/26/98
Date Region Sent Summary to Central Office: / /

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

AGWAY FELMONT (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000353052

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported

DEC Remarks: Not reported

Spill Cause: during tank removal caller found contamination - a sheen on some water in hole

[Click this hyperlink](#) while viewing on your computer to access additional HIST LTANKS detail in the EDR Site Report.

2
West
1/8-1/4
1147 ft.

VAN DER HORST CORP OF AMERICA
900 W CONNELL ST
OLEAN, NY 14760

UST U003079520
AST N/A

Relative:
Lower

PBS UST:

PBS Number: 9-224154 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 0466

Actual:
1422 ft.

Operator: VAN DER HORSE CORP OF AMERICA
(716) 372-5200

Emergency Contact: ROBERT BUSH
(716) 372-5200

Total Tanks: 0
Owner: VAN DER HORSE CORP OF AMERICA
314 PENN AVE
OLEAN, NY 14760
(716) 372-5200

Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: VAN DER HORSE CORP OF AMERICA
314 PENN AVE
OLEAN, NY 14760
(716) 372-5200

Tank Status: Closed - Removed

Capacity (gals): 6000

Tank Location: UNDERGROUND

Tank Id: 201

Tank Type: Steel/carbon steel

Tank Internal: Not reported

Pipe Location: 2

Tank External: Not reported

Missing Data for Tank: Minor Data Missing

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VAN DER HORST CORP OF AMERICA (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003079520

Pipe External:	Not reported	Dispenser:	Suction
Second Containment:	NONE	Next Test Date:	Not reported
Leak Detection:	NONE	Test Method:	Not reported
Overfill Prot:	2	Updated:	True
Date Tested:	Not reported	Owner Screen:	Minor data missing
Date Closed:	Not reported	Fiscal amount for registration fee is correct	
Deleted:	False	Renewal Date:	05/27/1992
Dead Letter:	True	Federal ID:	Not reported
FAMT:		Facility Screen:	Minor data missing
Total Capacity:	0	Certification Date:	08/17/1987
Tank Screen:	0	Expiration Date:	08/17/1992
Renew Flag:	Renwal has not been printed	Inspector:	Not reported
Certification Flag:	False		
Old PBS Number:	Not reported		
Inspected Date:	Not reported		
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
PBS AST:			
PBS Number:	9-224154	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	0466
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Facility Type:	Not reported		
Owner Type:	Not reported		
Owner Sub Type:	Not reported		
Owner:	VAN DER HORSE CORP OF AMERICA 314 PENN AVE OLEAN, NY 14760		
Owner Phone:	(716) 372-5200		
Facility Phone:	(716) 372-5200		
Operator:	VAN DER HORSE CORP OF AMERICA		
Emergency Name:	ROBERT BUSH		
Emergency Phone:	(716) 372-5200		
Total Tanks:	0		
Total Capacity:	0		
Tank ID:	202		
Capacity (Gal):	1000		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	NONE		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VAN DER HORST CORP OF AMERICA (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003079520

Dispenser Method: Gravity
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: VAN DER HORSE CORP OF AMERICA
Mailing Address: 314 PENN AVE
OLEAN, NY 14760
Mailing Contact: Not reported
Mailing Telephone: (716) 372-5200
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: True
Facility Screen: Minor data missing
Owner Screen: Minor data missing
Tank Screen: 0
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True
Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported
Expiration Date: 08/17/1992
Certification Date: 08/17/1987
Renew Date: 05/27/1992

3
North
1/4-1/2
1390 ft.

RUPP RENTAL & SALES CORP
355 FRANKLIN ST
OLEAN, NY 14760

RCRA-SQG 1000791096
FINDS NYD987025988

Relative:
Higher

RCRAInfo:
Owner: BLUE BIRD INDUSTRIAL PARK INC
(716) 372-5500
EPA ID: NYD987025988
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

Actual:
1428 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

4
SW
1/4-1/2
1835 ft.

FELMONT
1439 BUFFALO STREET
OLEAN, NY 14760

CERC-NFRAP 1003863736
NYD980508253

Relative:
Lower

CERCLIS-NFRAP Classification Data:
Federal Facility: Not a Federal Facility
Non NPL Code: NFRAP
NPL Status: Not on the NPL
CERCLIS-NFRAP Assessment History:
Assessment: DISCOVERY
Assessment: PRELIMINARY ASSESSMENT

Completed: 04/01/1980
Completed: 09/30/1986

Actual:
1424 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FELMONT (Continued)

EDR ID Number
EPA ID Number

Database(s)

1003863736

Assessment: SITE INSPECTION
Assessment: ARCHIVE SITE

Completed: 12/31/1991
Completed: 12/31/1991

A5
SE
1/4-1/2
1842 ft.

DRESSER RAND TURBO PRODUCTS DIVISION
PO BOX 560
OLEAN, NY 14760

CBS UST
CBS AST

S102639545
N/A

Relative:
Equal

Site 1 of 3 in cluster A

Actual:
1427 ft.

CBS UST:

CBS Number: 9-000289
PBS No: Not reported
Region: STATE
Operator: ARTHUR TITUS
Emergency Contact: PATRICK KELLAM, (716) 375-3445
Certification Date: 09/10/2001
Owner: DRESSER RAND TURBO PRODUCTS
Owner Address: PO BOX 560
OLEAN, NY 14760
Owner Phone: (716) 375-3000
Owner Type: Corporate/Commercial
Facility Type: MANUFACTURING
Mail To: DRESSER RAND, OLEAN OPERATIONS
Mail Address: PO BOX 560
OLEAN, NY 14760
ATTN: ARTHUR TITUS
(716) 375-3114

ICS No: 9-178397
MOSF No: Not reported
Town: OLEAN (C)
Facility Tel: (716) 375-3122

Expiration Date: 09/28/2002

SPDES No: 0-094781
Owner Subtype: Not reported
Tank Status: In Service
Tank Error Status: No Missing Data

Facility Status: NO LONGER A MAJOR FACILITY

Total Tanks: 3
Tank Location: Underground
Install Date: 00/00

Capacity: 8000 Gals

CAS No: 67561
Substance: Single Hazardous Substance on DEC List

Tank Type: Steel/carbon steel

2nd Containmt: None
Pipe Type: STEEL/IRON

Tank Internal: None

Tank External: None

Pipe Internal: None

Pipe Location: Underground

Pipe External: None

Pipe Containment: None

Haz Percent: 100

Leak Detection: None

Overfill Protection: 0

Chemical: Methanol

Tank Closed: 09/92

Tank Secret: False

Date Entered: 09/08/1992 09:56:45

Last Test: Not reported

Due Date: Not reported

SWIS Code: 0412

Cert Flag: False

Case No: Not reported

Reserve Flag: True

Pipe Flag: False

Federal Amt: True

Is it There: False

Is Updated: False

Owner Mark: 1

Lat/Long: 42|05|17 / 78|26|17

Renew Date: 09/08/92

Date Expired: 09/28/94

Total Capacity: 8800

Tank Number: 2V

CBS AST:

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND TURBO PRODUCTS DIVISION (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102639545

CBS Number:	9-000289	Telephone:	(716) 375-3122
Owner:	DRESSER RAND TURBO PRODUCTS PO BOX 560 OLEAN, NY 14760 (716) 375-3000		
Facility Status:	Active		
Total Tanks	3		
Tank Status:	In Service		
Tank Error Status:	Minor Data Missing		
Tank Location:	Aboveground		
Install Date:	10/80		
Capacity (Gal):	3000		
Tank Type:	Fiberglass reinforced plastic [FRP]		
Substance:	Not reported		
Extrnl Protection:			
Intrnl Protection:	Not reported		
Tank Containment:	Diking		
Pipe Type:	PLASTIC	Pipe Location:	Not reported
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Pipe Containment:	Not reported	Haz Percent:	0
Leak Detection:	Not reported		
Overfill Protection:	Not reported		
Chemical:	Methanol		
Tank Closed:	08/90		
PBS Number:	Not reported	SWIS Code:	0412
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	67561
SPDES Number:	0-094781	ICS Number:	9-178397
Facility Type:	Manufacturing		
Operator:	ARTHUR TITUS	Facility Town:	OLEAN (C)
Emrgncy Contact:	PATRICK KELLAM	Emrgncy Phone:	(716) 375-3445
Certified Date:	09/10/2001	Expiration Date:	09/28/2002
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	DRESSER RAND, OLEAN OPERATIONS		
Mail Contact:	ARTHUR TITUS PO BOX 560 OLEAN, NY 14760 (716) 375-3114		
Mail Phone:	(716) 375-3114		
Tank Secret:	False	Date Entered:	09/28/1990 07:40:46
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	09/08/92	Date Expired:	09/28/94
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	8800		
Unique Tank Id Number:	F1		
Date Pre-Printed Renewal App Form Was Last Printed:	06/01/2000		
CBS Number:	9-000289	Telephone:	(716) 375-3122
Owner:	DRESSER RAND TURBO PRODUCTS PO BOX 560 OLEAN, NY 14760		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND TURBO PRODUCTS DIVISION (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102639545

Facility Status:	(716) 375-3000		
Total Tanks	Active		
Tank Status:	3		
Tank Error Status:	In Service		
Tank Location:	Minor Data Missing		
Install Date:	Aboveground		
Capacity (Gal):	10/80		
Substance:	3000		
Extrnl Protection:	Fiberglass reinforced plastic [FRP]		
Intrnl Protection:	Not reported		
Tank Containment:	Diking		
Pipe Type:	PLASTIC	Pipe Location:	Not reported
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Pipe Containment:	Not reported	Haz Percent:	0
Leak Detection:	Not reported		
Overfill Protection:	Not reported		
Chemical:	Methanol		
Tank Closed:	08/90		
PBS Number:	Not reported	SWIS Code:	0412
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	67561
SPDES Number:	0-094781	ICS Number:	9-178397
Facility Type:	Manufacturing		
Operator:	ARTHUR TITUS	Facility Town:	OLEAN (C)
Emrgncy Contact:	PATRICK KELLAM	Emrgncy Phone:	(716) 375-3445
Certified Date:	09/10/2001	Expiration Date:	09/28/2002
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	DRESSER RAND, OLEAN OPERATIONS		
Mail Contact:	ARTHUR TITUS		
	PO BOX 560		
	OLEAN, NY 14760		
Mail Phone:	(716) 375-3114		
Tank Secret:	False	Date Entered:	09/28/1990 07:40:58
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	09/08/92	Date Expired:	09/28/94
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	8800		
Unique Tank Id Number:	F2		
Date Pre-Printed Renewal App Form Was Last Printed:	06/01/2000		
CBS Number:	9-000289	Telephone:	(716) 375-3122
Owner:	DRESSER RAND TURBO PRODUCTS		
	PO BOX 560		
	OLEAN, NY 14760		
	(716) 375-3000		
Facility Status:	Active		
Total Tanks	3		
Tank Status:	In Service		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND TURBO PRODUCTS DIVISION (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102639545

Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	07/89		
Capacity (Gal):	3100		
Tank Type:	Stainless steel alloy		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	Painted/Asphalt Coating		
Intrnl Protection:	None		
Tank Containment:	None		
Pipe Type:	STEEL/IRON	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	None		
Overfill Protection:	Not reported		
Chemical:	Methane, dichlorodifluoro-		
Tank Closed:	07/96		
PBS Number:	Not reported	SWIS Code:	0412
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	75718
SPDES Number:	0-094781	ICS Number:	9-178397
Facility Type:	Manufacturing		
Operator:	ARTHUR TITUS	Facility Town:	OLEAN (C)
Emrgncy Contact:	PATRICK KELLAM	Emrgncy Phone:	(716) 375-3445
Certified Date:	09/10/2001	Expiration Date:	09/28/2002
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	DRESSER RAND, OLEAN OPERATIONS		
Mail Contact:	ARTHUR TITUS		
	PO BOX 560		
	OLEAN, NY 14760		
Mail Phone:	(716) 375-3114		
Tank Secret:	False	Date Entered:	09/28/1990 07:41:25
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	09/08/92	Date Expired:	09/28/94
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	8800		
Unique Tank Id Number:	15243		
Date Pre-Printed Renewal App Form Was Last Printed:		06/01/2000	
CBS Number:	9-000289	Telephone:	(716) 375-3122
Owner:	DRESSER RAND TURBO PRODUCTS		
	PO BOX 560		
	OLEAN, NY 14760		
	(716) 375-3000		
Facility Status:	Active		
Total Tanks	3		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	07/89		
Capacity (Gal):	3100		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND TURBO PRODUCTS DIVISION (Continued)

S102639545

Tank Type:	Stainless steel alloy		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	Painted/Asphalt Coating		
Intrnl Protection:	None		
Tank Containment:	None		
Pipe Type:	STEEL/IRON	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	None		
Overfill Protection:	Not reported		
Chemical:	Methane, dichlorodifluoro-		
Tank Closed:	07/96		
PBS Number:	Not reported	SWIS Code:	0412
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	75718
SPDES Number:	0-094781	ICS Number:	9-178397
Facility Type:	Manufacturing		
Operator:	ARTHUR TITUS	Facility Town:	OLEAN (C)
Emrgncy Contact:	PATRICK KELLAM	Emrgncy Phone:	(716) 375-3445
Certified Date:	09/10/2001	Expiration Date:	09/28/2002
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	DRESSER RAND, OLEAN OPERATIONS		
Mail Contact:	ARTHUR TITUS		
	PO BOX 560		
	OLEAN, NY 14760		
Mail Phone:	(716) 375-3114		
Tank Secret:	False	Date Entered:	09/28/1990 07:41:37
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	09/08/92	Date Expired:	09/28/94
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	8800		
Unique Tank Id Number:	15681		
Date Pre-Printed Renewal App Form Was Last Printed:	06/01/2000		

This is the most recent NY CBS AST data for this site.

[Click this hyperlink](#) while viewing on your computer to access
2 additional NY CBS AST record(s) in the EDR Site Report.

A6
SE
1/4-1/2
1842 ft.

DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760

Site 2 of 3 in cluster A

Relative:
Equal

SPILLS:

Actual:
1427 ft.

DER Facility ID : 263289
Site ID : 327045
Spill Number: 9975579
Investigator: JFOTTO
Caller Name: PAUL KUTLINA
Caller Phone: (716) 851-7220

CID : Not reported
Region of Spill: 9
SWIS: 0566
Caller Agency: NYSDEC
Caller Extension: Not reported

UST
AST
NY Spills
NY Hist Spills
U003317168
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

DRESSER RAND (Continued)

U003317168

Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	12/14/99	Reported to Dept:	12/14/99
Facility Address 2:	Not reported		
Facility Type:	ER		
Referred To :	Not reported	DEC Region :	9
Remediation Phase :	0		
Program Number :	9975579		
Spill Cause:	EQUIPMENT FAILURE		
Water Affected:	Not reported	Spill Source:	COMMERCIAL/INDUSTRIAL
Contact Name:	GARY OFINOWICZ	Facility Tele:	(716) 375-3448
Spill Notifier:	DEC		
Spiller:	GARY OFINOWICZ		
Spiller Company :	DRESSER RAND		
Spiller Address:	NORTH FIFTH STREET		
	OLEAN, NY 14760		
Spiller County :	001		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.		
	Willing Responsible Party. Corrective action taken.		

Spill Closed Dt: 12/14/99

Cleanup Ceased: / /

Last Inspection: / /

Cleanup Meets Std:False

Recommended Penalty: Penalty Not Recommended

UST Trust: False

Spill Record Last Update: 02/20/02

Date Spill Entered In Computer Data File: 12/14/99

Material

Material ID :	290110
Site ID :	327045
Operable Unit :	01
Operable Unit ID :	1091733
Material Code :	0022
Material Name :	Waste Oil/Used Oil (Not Fuel)
Case No. :	Not reported
Material FA :	Petroleum
Quantity :	Not reported
Units :	G

Recovered :	Not reported
Resource Affected - Soil :	No
Resource Affected - Air :	No
Resource Affected - Indoor Air :	No
Resource Affected - Groundwater :	Yes
Resource Affected - Surface Water :	No
Resource Affected - Drinking Wtr :	No
Resource Affected - Sewer :	No
Resource Affected - Impervious Surface :	No
Resource Affected - Subway :	No
Resource Affected - Utility :	No
Resource Affected - Impervious Surface :	No
Oxygenate :	False

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "JFO"
12/14/99: JFO REVIEWED THE ANALYTICAL FROM THE TANK PIT. RESULTS
INDICATE THAT THIS SITE CAN BE MADE "INACTIVE" WITH THE BLESSING OF RNL.
NO FURTHER ACTION REQUIRED AT THIS
TIME. INACTIVE LETTER ATTACHED. CLOSED

Remark: EXCAVATION ANALYTICAL RESULTS FOR THE REMOVAL OF A 1000 GALLON WASTE OIL
UNDERGROUND STORAGE TANK EXCEEDS STARS FOR 8270

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

DRESSER RAND (Continued)

U003317168

This is the most recent NY SPILLS record for this site.

[Click this hyperlink](#) while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

HIST SPILLS:

Spill Number:	9975579	Region of Spill:	9
Investigator:	JFO	SWIS:	04
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	12/01/1999 12:00	Reported to Dept:	12/14/99 13:19
Spill Cause:	Equipment Failure	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	GARY OFINOWICZ	Facility Tele:	(716) 375-3448
Spill Notifier:	DEC	PBS Number:	Not reported
Spiller Contact:	GARY OFINOWICZ	Spiller Phone:	(716) 375-3448
Spiller:	DRESSER RAND		
Spiller Address:	NORTH FIFTH STREET OLEAN, NY 14760		

DEC Remarks : 12/14/99: JFO REVIEWED THE ANALYTICAL FROM THE TANK PIT. RESULTS INDICATE THAT THIS SITE CAN BE MADE INACTIVE WITH THE BLESSING OF RNL. NO FURTHER ACTION REQUIRED AT THIS TIME. INACTIVE LETTER ATTACHED. CLOSED

Remark: EXCAVATION ANALYTICAL RESULTS FOR THE REMOVAL OF A 1000 GALLON WASTE OIL UNDERGROUND STORAGE TANK EXCEEDS STARS FOR 8270

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

Material:

Material Class Type:	1	
Quantity Spilled:	0	
Units:	Gallons	
Unknown Qty Spilled:	No	
Quantity Recovered:	0	
Unknown Qty Recovered:	True	
Material:	WASTE OIL	
Class Type:	Petroleum	
Chem Abstract Service Number:	WASTE OIL	
Last Date:	09/27/1994	
Num Times Material Entry In File:	9509	
Spill Closed Dt:	12/14/99	
Cleanup Ceased:	/ /	
Last Inspection:	/ /	Cleanup Meets Std:False
Recommended Penalty:	Penalty Not Recommended	
Spiller Cleanup Dt/	/	Enforcement Date: / /
Invstgn Complete:/	/	UST Involvement: False
Spill Record Last Update:	12/23/99	
Is Updated:	False	
Corrective Action Plan Submitted:	/ /	
Date Spill Entered In Computer Data File:	12/14/99 13:21	
Date Region Sent Summary to Central Office:	/ /	

This is the most recent NY HISTORIC SPILLS record for this site.

[Click this hyperlink](#) while viewing on your computer to access additional NY HIST SPILLS detail in the EDR Site Report.

PBS UST:

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

PBS Number:	9-386634	CBS Number:	9-000289
SPDES Number:	0-094781	SWIS ID:	0466
Operator:	GARY OFINOWICZ (716) 375-3448		
Emergency Contact:	DAVID R. PERNA (716) 375-3095		
Total Tanks:	10		
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760 (716) 375-3000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DRESSER RAND ATTN: GARY OFINOWICZ NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760 (716) 375-3448		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	30000		
Tank Location:	UNDERGROUND		
Tank Id:	1A	Install Date:	01/01/1970
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	130700	Renewal Date:	05/01/1992
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	12/17/1999
Old PBS Number:	Not reported	Expiration Date:	07/20/2002
Inspected Date:	11/21/1996	Inspector:	BAJ
Inspection Result:	Not reported		
Lat/long:	45 05 20 / 78 26 20		
Facility Type:	OTHER		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
PBS Number:	9-386634	CBS Number:	9-000289
SPDES Number:	0-094781	SWIS ID:	0466
Operator:	GARY OFINOWICZ (716) 375-3448		
Emergency Contact:	DAVID R. PERNA		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Total Tanks:	(716) 375-3095 10		
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760 (716) 375-3000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DRESSER RAND ATTN: GARY OFINOWICZ NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760 (716) 375-3448		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	30000		
Tank Location:	UNDERGROUND		
Tank Id:	1N	Install Date:	01/01/1975
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	130700	Renewal Date:	05/01/1992
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	12/17/1999
Old PBS Number:	Not reported	Expiration Date:	07/20/2002
Inspected Date:	11/21/1996	Inspector:	BAJ
Inspection Result:	Not reported		
Lat/long:	45 05 20 / 78 26 20		
Facility Type:	OTHER		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
PBS Number:	9-386634	CBS Number:	9-000289
SPDES Number:	0-094781	SWIS ID:	0466
Operator:	GARY OFINOWICZ (716) 375-3448		
Emergency Contact:	DAVID R. PERNA (716) 375-3095		
Total Tanks:	10		
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Owner Type:	(716) 375-3000 Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DRESSER RAND ATTN: GARY OFINOWICZ NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760 (716) 375-3448		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	1Q	Install Date:	01/01/1975
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	130700	Renewal Date:	05/01/1992
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	12/17/1999
Old PBS Number:	Not reported	Expiration Date:	07/20/2002
Inspected Date:	11/21/1996	Inspector:	BAJ
Inspection Result:	Not reported		
Lat/long:	45 05 20 / 78 26 20		
Facility Type:	OTHER		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
PBS Number:	9-386634	CBS Number:	9-000289
SPDES Number:	0-094781	SWIS ID:	0466
Operator:	GARY OFINOWICZ (716) 375-3448		
Emergency Contact:	DAVID R. PERNA (716) 375-3095		
Total Tanks:	10		
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760 (716) 375-3000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DRESSER RAND		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

ATTN: GARY OFINOWICZ
NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
(716) 375-3448

Tank Status: Closed Prior to 04/91 (Either Closed In-Place or Removed)
Capacity (gals): 15000
Tank Location: UNDERGROUND
Tank Id: 2B
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 130700
Tank Screen: No data missing
Renew Flag: Renewal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: 11/21/1996
Inspection Result: Not reported
Lat/long: 45|05|20 / 78|26|20
Facility Type: OTHER
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9

Install Date: 01/01/1955
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: False
Owner Screen: No data missing

Renewal Date: 05/01/1992
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 12/17/1999
Expiration Date: 07/20/2002
Inspector: BAJ

PBS Number: 9-386634
SPDES Number: 0-094781
Operator: GARY OFINOWICZ
(716) 375-3448
Emergency Contact: DAVID R. PERNA
(716) 375-3095
Total Tanks: 10
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760
(716) 375-3000
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: DRESSER RAND
ATTN: GARY OFINOWICZ
NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
(716) 375-3448

CBS Number: 9-000289
SWIS ID: 0466

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	15000		
Tank Location:	UNDERGROUND		
Tank Id:	2C	Install Date:	01/01/1955
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	130700	Renewal Date:	05/01/1992
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	12/17/1999
Old PBS Number:	Not reported	Expiration Date:	07/20/2002
Inspected Date:	11/21/1996	Inspector:	BAJ
Inspection Result:	Not reported		
Lat/long:	45 05 20 / 78 26 20		
Facility Type:	OTHER		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		

This is the most recent NY PBS data for this site.

[Click this hyperlink](#) while viewing on your computer to access
5 additional NY PBS record(s) in the EDR Site Report.

PBS AST:

PBS Number:	9-386634	CBS Number:	9-000289
SPDES Number:	0-094781	SWIS Code:	0466
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760		
Owner Phone:	(716) 375-3000		
Facility Phone:	(716) 375-3448		
Operator:	GARY OFINOWICZ		
Emergency Name:	DAVID R. PERNA		
Emergency Phone:	(716) 375-3095		
Total Tanks:	10		
Total Capacity:	130700		
Tank ID:	1E		
Capacity (Gal):	1000		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Missing Data for Tank : Minor data missing
Tank Location: ABOVEGROUND
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Install Date: 01/01/1949
Tank Internal: Not reported
Tank External: Not reported
Tank Containment: OTHER
Pipe Type: STEEL/IRON
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: NONE
Overfill Protection: Product Level Gauge
Dispenser Method: Suction
Date Tested: / / Next Test Date: / /
Date Closed: / / Test Method: Not reported
Updated: False Deleted: False
Date Inspected: 11/21/1996 Inspector: BAJ
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner Expiration Date: 07/20/2002
Certification Flag: False Certification Date: 12/17/1999
Renew Flag: False Renew Date: 05/01/1992
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True
PBS Number: 9-386634 CBS Number: 9-000289
SPDES Number: 0-094781 SWIS Code: 0466
Federal ID: Not reported Previous PBS#: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760
Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Total Capacity:	130700	
Tank ID:	1F	
Capacity (Gal):	1000	
Missing Data for Tank :	Minor data missing	
Tank Location:	ABOVEGROUND	
Product Stored:	NOS 1,2, OR 4 FUEL OIL	
Tank Type:	Steel/carbon steel	
Install Date:	01/01/1949	
Tank Internal:	Not reported	
Tank External:	Not reported	
Tank Containment:	OTHER	
Pipe Type:	STEEL/IRON	
Pipe Location:	Not reported	
Pipe Internal:	Not reported	
Pipe External:	Not reported	
Leak Detection:	NONE	
Overfill Protection:	Product Level Gauge	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	/ /	Test Method: Not reported
Updated:	False	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760	
Owner Phone:	(716) 375-3000	
Facility Phone:	(716) 375-3448	
Operator:	GARY OFINOWICZ	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Emergency Name:	DAVID R. PERNA	
Emergency Phone:	(716) 375-3095	
Total Tanks:	10	
Total Capacity:	130700	
Tank ID:	1G	
Capacity (Gal):	1000	
Missing Data for Tank :	Minor data missing	
Tank Location:	ABOVEGROUND	
Product Stored:	NOS 1,2, OR 4 FUEL OIL	
Tank Type:	Steel/carbon steel	
Install Date:	01/01/1949	
Tank Internal:	Not reported	
Tank External:	Not reported	
Tank Containment:	OTHER	
Pipe Type:	STEEL/IRON	
Pipe Location:	Not reported	
Pipe Internal:	Not reported	
Pipe External:	Not reported	
Leak Detection:	NONE	
Overfill Protection:	Product Level Gauge	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	/ /	Test Method: Not reported
Updated:	False	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 1M
Capacity (Gal): 1000
Missing Data for Tank : Minor data missing
Tank Location: ABOVEGROUND
Product Stored: LEADED GASOLINE
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: Not reported
Tank External: Not reported
Tank Containment: Not reported
Pipe Type: STEEL/IRON
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: NONE
Overfill Protection: Product Level Gauge
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: False
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ

Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9

Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992

Fiscal Amount for Registration Fee is Correct: True

PBS Number: 9-386634
SPDES Number: 0-094781
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
CBS Number: 9-000289
SWIS Code: 0466
Previous PBS#: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760
Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2A
Capacity (Gal): 110000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: PAINTED/ASPHALT COATING/NONE
Tank Containment: EARTHEN DIKE/NONE
Pipe Type: STEEL/IRON
Pipe Location: Above/Underground Combination
Pipe Internal: NONE
Pipe External: PAINTED/ASPHALT COATING/NONE
Leak Detection: NONE/NONE
Overfill Protection: Product Level Gauge, None
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True
Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ
Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992
PBS Number: 9-386634
SPDES Number: 0-094781
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
CBS Number: 9-000289
SWIS Code: 0466
Previous PBS#: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND	
	NORTH 5TH ST	
	OLEAN, NY 14760	
Owner Phone:	(716) 375-3000	
Facility Phone:	(716) 375-3448	
Operator:	GARY OFINOWICZ	
Emergency Name:	DAVID R. PERNA	
Emergency Phone:	(716) 375-3095	
Total Tanks:	10	
Total Capacity:	130700	
Tank ID:	2D	
Capacity (Gal):	1800	
Missing Data for Tank :	No data missing	
Tank Location:	ABOVEGROUND	
Product Stored:	LUBE OIL	
Tank Type:	Steel/carbon steel	
Install Date:	01/01/1973	
Tank Internal:	NONE	
Tank External:	PAINTED/ASPHALT COATING/NONE	
Tank Containment:	OTHER/NONE	
Pipe Type:	STEEL/IRON	
Pipe Location:	Aboveground	
Pipe Internal:	NONE	
Pipe External:	PAINTED/ASPHALT COATING/NONE	
Leak Detection:	NONE/NONE	
Overfill Protection:	Product Level Gauge, None	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	/ /	Test Method: Not reported
Updated:	True	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST	
	P.O. BOX 560	
	OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Federal ID: Not reported Previous PBS#: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760
Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2E
Capacity (Gal): 850
Missing Data for Tank : Minor data missing
Tank Location: ABOVEGROUND
Product Stored: OTHER
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: Not reported
Tank External: Not reported
Tank Containment: OTHER
Pipe Type: STEEL/IRON
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: NONE
Overfill Protection: Product Level Gauge
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: False
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ

Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

PBS Number:	9-386634	CBS Number:	9-000289
SPDES Number:	0-094781	SWIS Code:	0466
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	DRESSER RAND		
	NORTH 5TH ST		
	OLEAN, NY 14760		
Owner Phone:	(716) 375-3000		
Facility Phone:	(716) 375-3448		
Operator:	GARY OFINOWICZ		
Emergency Name:	DAVID R. PERNA		
Emergency Phone:	(716) 375-3095		
Total Tanks:	10		
Total Capacity:	130700		
Tank ID:	2F		
Capacity (Gal):	850		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	OTHER		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	OTHER		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Suction		
Date Tested:	/ /		
Date Closed:	/ /		
Updated:	False		
Date Inspected:	11/21/1996		
Result of Inspection:	Not reported		
Mailing Name:	DRESSER RAND		
Mailing Address:	NORTH 5TH ST		
	P.O. BOX 560		
	OLEAN, NY 14760		
Mailing Contact:	GARY OFINOWICZ		
Mailing Telephone:	(716) 375-3448		
Owner Mark:	First Owner		
Certification Flag:	False		
Renew Flag:	False		
Lat/Long:	45 05 20 / 78 26 20		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	OLEAN		
Town or City Code:	66		

Next Test Date:	/ /
Test Method:	Not reported
Deleted:	False
Inspector:	BAJ

Expiration Date:	07/20/2002
Certification Date:	12/17/1999
Renew Date:	05/01/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 9-386634 CBS Number: 9-000289
SPDES Number: 0-094781 SWIS Code: 0466
Federal ID: Not reported Previous PBS#: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760

Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2G
Capacity (Gal): 1800
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: LUBE OIL
Tank Type: Steel/carbon steel
Install Date: 01/01/1973
Tank Internal: NONE
Tank External: PAINTED/ASPHALT COATING/NONE
Tank Containment: OTHER/NONE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: PAINTED/ASPHALT COATING/NONE
Leak Detection: NONE/NONE
Overfill Protection: Product Level Gauge, None
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ
Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 9-386634
SPDES Number: 0-094781
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

CBS Number: 9-000289
SWIS Code: 0466
Previous PBS#: Not reported

Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760

Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2I
Capacity (Gal): 6000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Product Stored: LUBE OIL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: PAINTED/ASPHALT COATING/NONE
Tank Containment: CONCRETE DIKE/NONE
Pipe Type: STEEL/IRON
Pipe Location: Above/Underground Combination
Pipe Internal: NONE
Pipe External: PAINTED/ASPHALT COATING/NONE
Leak Detection: NONE/NONE
Overfill Protection: Product Level Gauge, None
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ
Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 9-386634 CBS Number: 9-000289
SPDES Number: 0-094781 SWIS Code: 0466
Federal ID: Not reported Previous PBS#: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760

Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2J
Capacity (Gal): 1000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: PAINTED/ASPHALT COATING/NONE
Tank Containment: PREFABRICATED STEEL DIKE/NONE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: PAINTED/ASPHALT COATING/NONE
Leak Detection: NONE/NONE
Overfill Protection: Product Level Gauge, None
Dispenser Method: Suction
Date Tested: / / Next Test Date: / /
Date Closed: / / Test Method: Not reported
Updated: True Deleted: False
Date Inspected: 11/21/1996 Inspector: BAJ
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner Expiration Date: 07/20/2002

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Certification Flag:	False	Certification Date:	12/17/1999
Renew Flag:	False	Renew Date:	05/01/1992
Lat/Long:	45 05 20 / 78 26 20		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
Fiscal Amount for Registration Fee is Correct:	True		
PBS Number:	9-386634	CBS Number:	9-000289
SPDES Number:	0-094781	SWIS Code:	0466
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	DRESSER RAND		
	NORTH 5TH ST		
	OLEAN, NY 14760		
Owner Phone:	(716) 375-3000		
Facility Phone:	(716) 375-3448		
Operator:	GARY OFINOWICZ		
Emergency Name:	DAVID R. PERNA		
Emergency Phone:	(716) 375-3095		
Total Tanks:	10		
Total Capacity:	130700		
Tank ID:	2K		
Capacity (Gal):	300		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	OTHER		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	NONE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	07/01/1988	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	11/21/1996	Inspector:	BAJ
Result of Inspection:	Not reported		
Mailing Name:	DRESSER RAND		
Mailing Address:	NORTH 5TH ST		
	P.O. BOX 560		
	OLEAN, NY 14760		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 9-386634
SPDES Number: 0-094781
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

CBS Number: 9-000289
SWIS Code: 0466
Previous PBS#: Not reported

Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760

Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2L
Capacity (Gal): 1000
Missing Data for Tank : Minor data missing
Tank Location: ABOVEGROUND
Product Stored: OTHER
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: Not reported
Tank External: Not reported
Tank Containment: NONE
Pipe Type: STEEL/IRON
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: NONE
Overfill Protection: Product Level Gauge
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: False
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND

Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760

Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448

Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 9-386634
SPDES Number: 0-094781
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760

Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2M
Capacity (Gal): 1050
Missing Data for Tank : Minor data missing
Tank Location: ABOVEGROUND
Product Stored: OTHER
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: Not reported
Tank External: Not reported
Tank Containment: NONE
Pipe Type: STEEL/IRON
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: NONE
Overfill Protection: Product Level Gauge
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: False

Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992

CBS Number: 9-000289
SWIS Code: 0466
Previous PBS#: Not reported

Next Test Date: / /
Test Method: Not reported
Deleted: False

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Date Inspected: 11/21/1996 Inspector: BAJ
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner Expiration Date: 07/20/2002
Certification Flag: False Certification Date: 12/17/1999
Renew Flag: False Renew Date: 05/01/1992
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 9-386634 CBS Number: 9-000289
SPDES Number: 0-094781 SWIS Code: 0466
Federal ID: Not reported Previous PBS#: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than
1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760
Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2P
Capacity (Gal): 1100
Missing Data for Tank : Minor data missing
Tank Location: ABOVEGROUND
Product Stored: OTHER
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: Not reported
Tank External: Not reported
Tank Containment: NONE
Pipe Type: STEEL/IRON
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: NONE
Overfill Protection: Product Level Gauge
Dispenser Method: Suction

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	False	Deleted:	False
Date Inspected:	11/21/1996	Inspector:	BAJ
Result of Inspection:	Not reported		
Mailing Name:	DRESSER RAND		
Mailing Address:	NORTH 5TH ST		
	P.O. BOX 560		
	OLEAN, NY 14760		
Mailing Contact:	GARY OFINOWICZ		
Mailing Telephone:	(716) 375-3448		
Owner Mark:	First Owner	Expiration Date:	07/20/2002
Certification Flag:	False	Certification Date:	12/17/1999
Renew Flag:	False	Renew Date:	05/01/1992
Lat/Long:	45 05 20 / 78 26 20		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
Fiscal Amount for Registration Fee is Correct:	True		
PBS Number:	9-386634	CBS Number:	9-000289
SPDES Number:	0-094781	SWIS Code:	0466
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	DRESSER RAND		
	NORTH 5TH ST		
	OLEAN, NY 14760		
Owner Phone:	(716) 375-3000		
Facility Phone:	(716) 375-3448		
Operator:	GARY OFINOWICZ		
Emergency Name:	DAVID R. PERNA		
Emergency Phone:	(716) 375-3095		
Total Tanks:	10		
Total Capacity:	130700		
Tank ID:	2Q		
Capacity (Gal):	1200		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	OTHER		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	NONE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Leak Detection:	NONE	
Overfill Protection:	Product Level Gauge	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	/ /	Test Method: Not reported
Updated:	False	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760	
Owner Phone:	(716) 375-3000	
Facility Phone:	(716) 375-3448	
Operator:	GARY OFINOWICZ	
Emergency Name:	DAVID R. PERNA	
Emergency Phone:	(716) 375-3095	
Total Tanks:	10	
Total Capacity:	130700	
Tank ID:	2R	
Capacity (Gal):	110000	
Missing Data for Tank :	Minor data missing	
Tank Location:	ABOVEGROUND	
Product Stored:	NOS 1,2, OR 4 FUEL OIL	
Tank Type:	Steel/carbon steel	
Install Date:	01/01/1975	
Tank Internal:	Not reported	
Tank External:	Not reported	
Tank Containment:	NONE	
Pipe Type:	STEEL/IRON	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Pipe Location:	Not reported	
Pipe Internal:	Not reported	
Pipe External:	Not reported	
Leak Detection:	NONE	
Overfill Protection:	Product Level Gauge	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	/ /	Test Method: Not reported
Updated:	True	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760	
Owner Phone:	(716) 375-3000	
Facility Phone:	(716) 375-3448	
Operator:	GARY OFINOWICZ	
Emergency Name:	DAVID R. PERNA	
Emergency Phone:	(716) 375-3095	
Total Tanks:	10	
Total Capacity:	130700	
Tank ID:	2W	
Capacity (Gal):	2500	
Missing Data for Tank :	No data missing	
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE	
Product Stored:	LUBE OIL	
Tank Type:	Steel/carbon steel	
Install Date:	/ /	
Tank Internal:	NONE	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Tank External:	PAINTED/ASPHALT COATING/NONE	
Tank Containment:	CONCRETE DIKE/NONE	
Pipe Type:	STEEL/IRON	
Pipe Location:	Above/Underground Combination	
Pipe Internal:	NONE	
Pipe External:	PAINTED/ASPHALT COATING/NONE	
Leak Detection:	NONE/NONE	
Overfill Protection:	Product Level Gauge, None	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	/ /	Test Method: Not reported
Updated:	True	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760	
Owner Phone:	(716) 375-3000	
Facility Phone:	(716) 375-3448	
Operator:	GARY OFINOWICZ	
Emergency Name:	DAVID R. PERNA	
Emergency Phone:	(716) 375-3095	
Total Tanks:	10	
Total Capacity:	130700	
Tank ID:	2X	
Capacity (Gal):	3500	
Missing Data for Tank :	No data missing	
Tank Location:	ABOVEGROUND	
Product Stored:	OTHER	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Tank Type:	Steel/carbon steel	
Install Date:	/ /	
Tank Internal:	NONE	
Tank External:	PAINTED/ASPHALT COATING/NONE	
Tank Containment:	PREFABRICATED STEEL DIKE/NONE	
Pipe Type:	STEEL/IRON	
Pipe Location:	Above/Underground Combination	
Pipe Internal:	NONE	
Pipe External:	PAINTED/ASPHALT COATING/NONE	
Leak Detection:	NONE/NONE	
Overfill Protection:	90	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	03/01/1997	Test Method: Not reported
Updated:	True	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760	
Owner Phone:	(716) 375-3000	
Facility Phone:	(716) 375-3448	
Operator:	GARY OFINOWICZ	
Emergency Name:	DAVID R. PERNA	
Emergency Phone:	(716) 375-3095	
Total Tanks:	10	
Total Capacity:	130700	
Tank ID:	2Z	
Capacity (Gal):	4200	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: LUBE OIL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: PAINTED/ASPHALT COATING/NONE
Tank Containment: PREFABRICATED STEEL DIKE/NONE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: PAINTED/ASPHALT COATING/NONE
Leak Detection: NONE/NONE
Overfill Protection: 90
Dispenser Method: Suction
Date Tested: / /
Date Closed: 03/01/1997
Updated: True
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True
Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ
Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992
PBS Number: 9-386634
SPDES Number: 0-094781
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
CBS Number: 9-000289
SWIS Code: 0466
Previous PBS#: Not reported
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760
Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Total Capacity:	130700	
Tank ID:	2AA	
Capacity (Gal):	5000	
Missing Data for Tank :	No data missing	
Tank Location:	ABOVEGROUND	
Product Stored:	USED OIL	
Tank Type:	Steel/carbon steel	
Install Date:	/ /	
Tank Internal:	NONE	
Tank External:	PAINTED/ASPHALT COATING/NONE	
Tank Containment:	CONCRETE DIKE/NONE	
Pipe Type:	STEEL/IRON	
Pipe Location:	Aboveground	
Pipe Internal:	NONE	
Pipe External:	PAINTED/ASPHALT COATING/NONE	
Leak Detection:	NONE/NONE	
Overfill Protection:	90	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	05/01/1997	Test Method: Not reported
Updated:	True	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760	
Owner Phone:	(716) 375-3000	
Facility Phone:	(716) 375-3448	
Operator:	GARY OFINOWICZ	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Emergency Name:	DAVID R. PERNA	
Emergency Phone:	(716) 375-3095	
Total Tanks:	10	
Total Capacity:	130700	
Tank ID:	2BB	
Capacity (Gal):	1000	
Missing Data for Tank :	No data missing	
Tank Location:	ABOVEGROUND	
Product Stored:	USED OIL	
Tank Type:	Steel/carbon steel	
Install Date:	/ /	
Tank Internal:	NONE	
Tank External:	PAINTED/ASPHALT COATING/NONE	
Tank Containment:	NONE/NONE	
Pipe Type:	STEEL/IRON	
Pipe Location:	Aboveground	
Pipe Internal:	NONE	
Pipe External:	PAINTED/ASPHALT COATING/NONE	
Leak Detection:	NONE/NONE	
Overfill Protection:	None	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	03/01/1997	Test Method: Not reported
Updated:	True	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST P.O. BOX 560 OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND NORTH 5TH ST OLEAN, NY 14760	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2CC
Capacity (Gal): 800
Missing Data for Tank : Minor data missing
Tank Location: ABOVEGROUND
Product Stored: OTHER
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: Not reported
Tank External: Not reported
Tank Containment: NONE
Pipe Type: STEEL/IRON
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: OTHER
Overfill Protection: Not reported
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ

Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992

PBS Number: 9-386634
SPDES Number: 0-094781
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
CBS Number: 9-000289
SWIS Code: 0466
Previous PBS#: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760
Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: 2DD
Capacity (Gal): 1800
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: LUBE OIL
Tank Type: Steel/carbon steel
Install Date: 12/01/1993
Tank Internal: NONE
Tank External: PAINTED/ASPHALT COATING/NONE
Tank Containment: OTHER/NONE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: PAINTED/ASPHALT COATING/NONE
Leak Detection: NONE/NONE
Overfill Protection: Product Level Gauge, None
Dispenser Method: Suction
Date Tested: / / Next Test Date: / /
Date Closed: / / Test Method: Not reported
Updated: True Deleted: False
Date Inspected: 11/21/1996 Inspector: BAJ
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner Expiration Date: 07/20/2002
Certification Flag: False Certification Date: 12/17/1999
Renew Flag: False Renew Date: 05/01/1992
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True
PBS Number: 9-386634 CBS Number: 9-000289
SPDES Number: 0-094781 SWIS Code: 0466
Federal ID: Not reported Previous PBS#: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	DRESSER RAND	
	NORTH 5TH ST	
	OLEAN, NY 14760	
Owner Phone:	(716) 375-3000	
Facility Phone:	(716) 375-3448	
Operator:	GARY OFINOWICZ	
Emergency Name:	DAVID R. PERNA	
Emergency Phone:	(716) 375-3095	
Total Tanks:	10	
Total Capacity:	130700	
Tank ID:	2GG	
Capacity (Gal):	1800	
Missing Data for Tank :	No data missing	
Tank Location:	ABOVEGROUND	
Product Stored:	LUBE OIL	
Tank Type:	Steel/carbon steel	
Install Date:	12/01/1994	
Tank Internal:	NONE	
Tank External:	PAINTED/ASPHALT COATING/NONE	
Tank Containment:	OTHER/NONE	
Pipe Type:	STEEL/IRON	
Pipe Location:	Aboveground	
Pipe Internal:	NONE	
Pipe External:	PAINTED/ASPHALT COATING/NONE	
Leak Detection:	NONE/NONE	
Overfill Protection:	Product Level Gauge, None	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	/ /	Test Method: Not reported
Updated:	True	Deleted: False
Date Inspected:	11/21/1996	Inspector: BAJ
Result of Inspection:	Not reported	
Mailing Name:	DRESSER RAND	
Mailing Address:	NORTH 5TH ST	
	P.O. BOX 560	
	OLEAN, NY 14760	
Mailing Contact:	GARY OFINOWICZ	
Mailing Telephone:	(716) 375-3448	
Owner Mark:	First Owner	Expiration Date: 07/20/2002
Certification Flag:	False	Certification Date: 12/17/1999
Renew Flag:	False	Renew Date: 05/01/1992
Lat/Long:	45 05 20 / 78 26 20	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-386634	CBS Number: 9-000289
SPDES Number:	0-094781	SWIS Code: 0466

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER RAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003317168

Federal ID: Not reported Previous PBS#: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: DRESSER RAND
NORTH 5TH ST
OLEAN, NY 14760
Owner Phone: (716) 375-3000
Facility Phone: (716) 375-3448
Operator: GARY OFINOWICZ
Emergency Name: DAVID R. PERNA
Emergency Phone: (716) 375-3095
Total Tanks: 10
Total Capacity: 130700
Tank ID: WO1
Capacity (Gal): 3000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: USED OIL (fuel)
Tank Type: Fiberglass reinforced plastic [FRP]
Install Date: 09/01/1992
Tank Internal: NONE
Tank External: NONE/NONE
Tank Containment: CONCRETE DIKE/NONE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/NONE
Leak Detection: NONE/NONE
Overfill Protection: Product Level Gauge, None
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: 11/21/1996
Result of Inspection: Not reported
Mailing Name: DRESSER RAND
Mailing Address: NORTH 5TH ST
P.O. BOX 560
OLEAN, NY 14760
Mailing Contact: GARY OFINOWICZ
Mailing Telephone: (716) 375-3448
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: 45|05|20 / 78|26|20
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: BAJ

Expiration Date: 07/20/2002
Certification Date: 12/17/1999
Renew Date: 05/01/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

**A7
SE
1/4-1/2
1842 ft.**

**DRESSER IND INC DRESSER CLARK DIV
5TH ST
OLEAN, NY 14760**

**FINDS
RCRA-LQG
TRIS**

EDR ID Number
EPA ID Number

Site 3 of 3 in cluster A

**Relative:
Equal**

RCRAInfo:

**Actual:
1427 ft.**

Owner: Not reported
EPA ID: NYD002123644
Contact: P E MAARSEN
(716) 375-3443

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 372.2(a)(8)(d)
Area of Violation: GENRATOR-SQG REQUIREMENTS
Date Violation Determined: 04/27/2005
Actual Date Achieved Compliance: 05/20/2005

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/06/2005
Penalty Type: Not reported

Regulation Violated: 373-3.9(d)(3)
Area of Violation: GENRATOR-SQG REQUIREMENTS
Date Violation Determined: 04/27/2005
Actual Date Achieved Compliance: 05/20/2005

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/06/2005
Penalty Type: Not reported

Regulation Violated: 374-3.2(e)(5) & (f)(3)
Area of Violation: GENERATOR-SPECIAL CONDITIONS
Date Violation Determined: 04/27/2005
Actual Date Achieved Compliance: 05/20/2005

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/06/2005
Penalty Type: Not reported

Regulation Violated: 372-2(a)(8)(i)(a)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 07/31/2001
Actual Date Achieved Compliance: 08/28/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/06/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/02/1999
Actual Date Achieved Compliance: 12/06/1999

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/04/1999
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/13/1995

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DRESSER IND INC DRESSER CLARK DIV (Continued)

EDR ID Number
EPA ID Number

1000386215

Actual Date Achieved Compliance: 03/20/1995
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/13/1995
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 02/13/1995
Actual Date Achieved Compliance: 03/20/1995
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/13/1995
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 08/23/1988
Actual Date Achieved Compliance: 10/24/1988
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/09/1988
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 08/26/1986
Actual Date Achieved Compliance: 02/03/1987
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/26/1986
Penalty Type: Not reported

There are 9 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-SQG REQUIREMENTS	20050520
	GENRATOR-SQG REQUIREMENTS	20050520
	GENERATOR-SPECIAL CONDITIONS	20050520
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20010828
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19991206
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19950320
	GENERATOR-LAND BAN REQUIREMENTS	19950320
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19881024
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19870203

NY MANIFEST

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
NATIONAL EMISSIONS INVENTORY
PERMIT COMPLIANCE SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B8
SW
1/4-1/2
1877 ft.

FORMER FELMONT OIL SITE
1446 BUFFALO STREET
OLEAN, NY 14760

BROWNFIELDS
NY Spills

S106450335
N/A

Relative:
Lower

Site 1 of 4 in cluster B

Actual:
1422 ft.

NY BROWNFIELD:

Region: 9
Classification: 99
Acres: 21.7
Program: ERP
Site Code: 57539
HW Code: E905027
SWIS: 0512
Town: Olean (c)
Record Added: 01/22/04
Update Date: 03/22/05
Update By: MLDOSTER

Site Description :

The purpose of this Environmental Restoration project is to further investigate known and suspected contamination at the former Felmont Oil Site (subject site) located at 1446 Buffalo Street, Olean, New York. The subject site consists of one property with an approximate area of 15 acres located in a historically industrial area of Olean. The City of Olean and Cattaraugus County have identified the subject site as a prime candidate for restoration and redevelopment. The subject site's attributes include its size; the presence of existing infrastructure (e.g., municipal sanitary sewer, water, etc.); position within an Empire Zone; and proximity to an existing interstate 86 interchange. However, a number of issues continue to block efforts to advance redevelopment efforts at the subject site. These issues center on the suspected presence of environmental contamination and the associated short and long term liability. The City of Olean is considering the acquisition of the Felmont Oil parcels via tax foreclosure. The actions of the City of Olean and Cattaraugus County with respect to the acquisition of these three parcels have been coordinated with the intent of consolidating the subject site under the control of the Olean Urban Renewal Agency. The subject site has a long history of industrial use, having been utilized by various companies for petroleum refining from 1917 to 1955 and by the Felmont Oil Corporation for the production of anhydrous ammonia from 1964 until 1983.

Environmental Problems :

Investigations of several adjacent former industrial properties, including the Agway Nitrogen Complex and the Van Der Horst Plant 1 and 2 Sites have confirmed the historical presence of soil contamination, groundwater contamination, and sediment contamination within Two-Mile Creek, which is located about 0.25 miles west of the subject site's western boundary. Based upon the historical use of the subject site and the results of the investigations of the adjacent former industrial sites, the following potential environmental concerns were identified in connection with the subject site: *leaks from extensive petrochemical storage and processing facilities formerly located on the subject site; *The potential presence of potential underground storage tanks (USTs) and/or process piping; *The potential for contamination associated with the former rail facilities that serviced the subject site; *The documented occurrence of groundwater contamination by ammonia and nitrate on the adjacent Agw

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

FORMER FELMONT OIL SITE (Continued)

S106450335

ay site; and *Potential presence of contaminated sediments sludges
and/or wastewater within the remaining components of the on-site
drainage system.
Assessment : Not reported

SPILLS:

DER Facility ID :	299605	CID :	31
Site ID :	352308	Region of Spill:	9
Spill Number:	0506994	SWIS:	0566
Investigator:	FXGALLEG	Caller Agency:	AGWAY
Caller Name:	JOHN STEINER	Caller Extension:	Not reported
Caller Phone:	(315) 449-7427	Notifier Agency:	AGWAY
Notifier Name:	JOHN STEINER	Notifier Extension:	Not reported
Notifier Phone:	(315) 449-7427	Reported to Dept:	09/09/05
Spill Date:	09/09/05		
Facility Address 2:	Not reported		
Facility Type:	ER	DEC Region :	9
Referred To :	Not reported		
Remediation Phase :	1		
Program Number :	0506994		
Spill Cause:	OTHER	Spill Source:	INSTITUTIONAL, EDUCATIONAL, GOV., OTHER
Water Affected:	Not reported	Facility Tele:	(315) 449-7427
Contact Name:	JOHN STEINER		
Spill Notifier:	OTHER		
Spiller:	JOHN STEINER		
Spiller Company :	AGWAY PROPERTY		
Spiller Address:	1446 BUFFALO STREET		
	OLEAN, NY		
Spiller County :	001		
Spill Class:	Not reported		
Spill Closed Dt:	//		
Cleanup Ceased:	//		
Last Inspection:	//	Cleanup Meets Std:	False
Recommended Penalty:	Penalty Not Recommended		
UST Trust:	False		
Spill Record Last Update:	11/30/05		
Date Spill Entered In Computer Data File:	09/09/05		
Material			
Material ID :	2099833		
Site ID :	352308		
Operable Unit :	01		
Operable Unit ID :	1109813		
Material Code :	0066A		
Material Name :	UNKNOWN PETROLEUM		
Case No. :	Not reported		
Material FA :	Petroleum		
Quantity :	Not reported		
Units :	G		
Recovered :	Not reported		
Resource Affected - Soil :	No		
Resource Affected - Air :	No		
Resource Affected - Indoor Air :	No		
Resource Affected - Groundwater :	Yes		
Resource Affected - Surface Water :	No		
Resource Affected - Drinking Wtr :	No		
Resource Affected - Sewer :	No		
Resource Affected - Impervious Surface :	No		
Resource Affected - Subway :	No		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FORMER FELMONT OIL SITE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S106450335

Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False
DEC Remarks : 9/15/05 FG SPOKE TO JOHN STEINER WITH AGWAY WHO SAID THAT THEY ARE LIQUIDATING ASSETS AND A POTENTIAL PURCHASER WAS INTERESTED IN THIS PROPERTY. THEY PUT 72 TEST PITS ON A 35 ACRE PARCEL AND DISCOVERED PETROLEUM. MR. STEINER SAID AGWAY HAD A NITR
OGEN OPERATION ON THE FACILITY, IT WAS NOT PETROLEUM STORAGE. HE BELIEVES THE CONTAMINATION IS FROM THE FORMER STANDARD OIL REFINERY THAT WAS AT THE SITE. HE WILL PROVIDE ALL THE DOCUMENTATION HE HAS ON THESE ISSUES. HE HAS NOT RECEIVED THE POTEN
TIAL DEVELOPERS REPORT OF FINDINGS YET BUT WILL PROVIDE IT ONCE HE RECEIVES IT. 10/26/05 FG DKK MET WITH MOBIL, ERIC ERRICO AND MENTIONED THIS SITE. MR. ERRICO SAID THIS IS ASSIGNED TO THE MAJOR PROJECTS GROUP, MIKE LAMARRE. I TOLD MR. ERRICO
NYSDEC WILL BE MEETING WITH MR. LAMARRE ON SITE ON 11/8/05. 11/30/05 JOHN STEINER 315-449-7427 WITH AGWAY CALLED. HE SAID THAT HE WILL BE DEALING WITH THE IRON OXIDE PELLETS DISCOVERED ON THE PROPERTY. HE SAID THEY WERE USED AS A CATALYST IN T
HEIR PROCESS. HE IS HOPING TO RECYCLE AND HAS CONTACTED SOME FIRMS. IF HE CANNOT RECYCLE HE WILL DETERMINE THE APPROPRIATE DISPOSAL NECESSARY.
Remark: WHILE DOING SOIL TESTING FOUND SOME CONTAMINATED SOIL: PRE AGWAY OWNING WAS A TERMINAL, AGWAY NOW IS TRYINGH TO SELL AND THAT IS WHY IT IS BEING TESTED:

B9
SW
1/4-1/2
1877 ft.

CF INDUSTRIES INC OLEAN NITROG
1446 BUFFALO STREET
OLEAN, NY 14760

RCRA-SQG 1000255893
CORRACTS NYD055057665
CERC-NFRAP

Site 2 of 4 in cluster B

Relative:
Lower

CERCLIS-NFRAP Classification Data:

Actual:
1422 ft.

Federal Facility: Not a Federal Facility
Non NPL Code: DR
NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	04/15/1980
Assessment:	PRELIMINARY ASSESSMENT	Completed:	06/23/1987
Assessment:	SITE INSPECTION	Completed:	09/25/1990
Assessment:	ARCHIVE SITE	Completed:	01/31/1997

CERCLIS-NFRAP Alias Name(s):

MOBIL OIL/OLEAN REFINERY
CF INDUSTRIES
AGWAY (NYD980506174)

CORRACTS Data:

EPA Id: NYD055057665
Region: 02
Area Name: SITEWIDE
Actual Date: 06/26/1996
Corrective Action: CA225NR - Stabilization Measures Evaluation, This facility is , not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
2002 NAICS Title: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CF INDUSTRIES INC OLEAN NITROG (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000255893

EPA Id: NYD055057665
Region: 02
Area Name: SITEWIDE
Actual Date: 09/08/1993
Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
2002 NAICS Title: Not reported

EPA Id: NYD055057665
Region: 02
Area Name: SITEWIDE
Actual Date: 09/22/1992
Corrective Action: CA050 - RFA Completed
2002 NAICS Title: Not reported

RCRAInfo Corrective Action Summary:

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event Date: 06/26/1996

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event Date: 09/08/1993

Event: RFA Completed

Event Date: 09/22/1992

RCRAInfo:

Owner: CF INDUSTRIES INC
(312) 438-9500
EPA ID: NYD055057665
Contact: STANLEY C RYS
(716) 373-1700

Classification: Small Quantity Generator

TSD Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 04/11/1985
Actual Date Achieved Compliance: 07/30/1985
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/11/1985
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/05/1985
Actual Date Achieved Compliance: 07/30/1985
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/05/1985

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CF INDUSTRIES INC OLEAN NITROG (Continued)

EDR ID Number
EPA ID Number

Database(s)

Penalty Type: Not reported

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

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850730
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850730

NY MANIFEST

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

B10
SW
1/4-1/2
1877 ft.

FELMONT OIL CORP CHEMICAL DIV
1446 BUFFALO ST
OLEAN, NY 14760

RCRA-SQG **1000301660**
FINDS **NYD006983605**

Site 3 of 4 in cluster B

Relative:
Lower

RCRAInfo:

Owner: FELMONT OIL CORP
(212) 555-1212

EPA ID: NYD006983605

Contact: Not reported

Classification: Small Quantity Generator

TSD Activities: Not reported

Violation Status: No violations found

NY MANIFEST

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

NATIONAL EMISSIONS INVENTORY

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

B11
SW
1/4-1/2
1877 ft.

AGWAY OLEAN NITROGEN COMPLEX
1446 BUFFALO ST
OLEAN, NY 14760

RCRA-SQG **1000546726**
FINDS **NYD030207708**

Site 4 of 4 in cluster B

Relative:
Lower

RCRAInfo:

Owner: AGWAY INC
(315) 449-6498

EPA ID: NYD030207708

Contact: Not reported

Classification: Small Quantity Generator

TSD Activities: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

AGWAY OLEAN NITROGEN COMPLEX (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000546726

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

C12 **CYTEC OLEAN INCORPORATED**
SSW **1405 BUFFALO ST.**
1/4-1/2 **OLEAN, NY 14760**
1910 ft.

Relative:
Higher

Actual:
1433 ft.

Site 1 of 2 in cluster C

FINDS **1000153951**
RCRA-LQG **14760CNPNC14**
TRIS
CBS AST
LTANKS
NY Spills
NY Hist Spills
HIST LTANKS

RCRAInfo:
Owner: WHEELABRATOR-FRYE, INC
(603) 926-5911
EPA ID: NYD096297544
Contact: GEORGE KARPIN
(716) 372-9650
Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	16419.00	D002	635.00
D003	200.00	D005	157.00
D007	3804.00	D008	3804.00
D009	24413.00	D011	4560.00
D018	15348.00	D022	4560.00
D035	4560.00	D040	32362.00
F003	9550.00	U153	375.00
U158	215.00	U223	369.00

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 09/03/1997
Actual Date Achieved Compliance: 03/12/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/03/1997
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/03/1997
Actual Date Achieved Compliance: 03/12/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/03/1997
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/14/1994
Actual Date Achieved Compliance: 01/26/1995

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

EDR ID Number
EPA ID Number

1000153951

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/14/1994
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	12/14/1994
Actual Date Achieved Compliance:	01/26/1995
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/14/1994
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/16/1985
Actual Date Achieved Compliance:	02/20/1986
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/15/1986
Penalty Type:	Not reported

There are 5 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19980312
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19980312
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19950126
	GENERATOR-LAND BAN REQUIREMENTS	19950126
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19860220

NY MANIFEST

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
INTEGRATED COMPLIANCE INFORMATION SYSTEM
NATIONAL COMPLIANCE DATABASE SYSTEM
NATIONAL EMISSIONS INVENTORY
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

SPILLS:

DER Facility ID :	184151	CID :	31
Site ID :	222702	Region of Spill:	9
Spill Number:	9611515	SWIS:	0566
Investigator:	FXGALLEG	Caller Agency:	CONAP INC
Caller Name:	DON WILLIAMSON	Caller Extension:	Not reported
Caller Phone:	(716) 372-9650	Notifier Agency:	CONAP INC
Notifier Name:	TOM DYE	Notifier Extension:	Not reported
Notifier Phone:	(716) 372-9650	Reported to Dept:	12/19/96
Spill Date:	12/19/96		
Facility Address 2:	Not reported		
Facility Type:	ER		
Referred To :	Not reported	DEC Region :	9
Remediation Phase :	0		
Program Number :	9611515		
Spill Cause:	EQUIPMENT FAILURE		

CYTEC OLEAN INCORPORATED (Continued)

1000153951

Water Affected:	Not reported	Spill Source:	COMMERCIAL/INDUSTRIAL
Contact Name:	Not reported	Facility Tele:	Not reported
Spill Notifier:	RESPONSIBLE PARTY		
Spiller:	DON WILLIAMSON		
Spiller Company :	CONAP, INC		
Spiller Address:	1405 BUFFALO STREET OLEAN, NY 14760		
Spiller County :	001		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Spill Closed Dt: 09/08/98

Cleanup Ceased: / /

Last Inspection: 12/27/96

Cleanup Meets Std:False

Recommended Penalty: Penalty Not Recommended

UST Trust: False

Spill Record Last Update: 10/08/99

Date Spill Entered In Computer Data File: 12/19/96

Material

Material ID :	340157
Site ID :	222702
Operable Unit :	01
Operable Unit ID :	1042927
Material Code :	2006A
Material Name :	TOLUENE 2,4-DIISOCYANATE
Case No. :	00584849
Material FA :	Hazardous Material
Quantity :	19
Units :	G

Recovered :	19
Resource Affected - Soil :	Yes
Resource Affected - Air :	No
Resource Affected - Indoor Air :	No
Resource Affected - Groundwater :	No
Resource Affected - Surface Water :	No
Resource Affected - Drinking Wtr :	No
Resource Affected - Sewer :	No
Resource Affected - Impervious Surface :	No
Resource Affected - Subway :	No
Resource Affected - Utility :	No
Resource Affected - Impervious Surface :	No
Oxygenate :	False

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "FG"
12/19/96: MNP TELECON WITH DON WILLIAMSON, CONAP, SPILL CONTAINED IN
DIKE, THEY HIRED EP&S TO CLEANUP. 12/19/96: MNP RESPONSE, EP&S ON
SITE, SPILL CONTAINED INSIDE DIKE AREA
IN ONE BUILDING WHICH IS SEPARATE FROM THE REST OF THE PLANT. ADJACENT
STORM & SANITARY SEWERS WERE CHECKED VISUALLY & WITH A TDI DETECTOR,
NOTHING FOUND. EP&S FOUND ABOUT 12-13" OF PRODUCT IN THE BUILDING WHICH
INDICATES 3200 - 3300 GALS SPILLED IN
STEAD OF THE ORIGINAL ESTIMATE OF 1400 GALS. MONITORING AT THE OUTSIDE
DOOR INDICATES 200 PPM DOWN TO 0 A FEW FEET AWAY. NO OFF-SITE IMPACTS
EXPECTED. CONAP HAD ALREADY CLOSED & EVACUATED THE PLANT AS A
PRECAUTION. CONAP ALSO NOTIFIED THE LOCAL MEDI
A, NEIGHBORS & PUBLIC SCHOOL. EP&S BEGAN PUMPING THE TDI INTO DRUMS
STAGED ON POLY OUTSIDE, THE DRUMS TO BE TRANSPORTED TO CONAP'S SECURE
HAZ-WASTE DRUM STORAGE ROOM ON THE OTHER SIDE OF THE PLANT. I SPOKE WITH
THE OLEAN FIRE CHIEF. HE WAS SATISFIED

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CYTEC OLEAN INCORPORATED (Continued)

1000153951

WITH CONTAINMENT & CLEANUP PROCEDURES & LEFT THE SCENE. AFTER UPDATING SAC, I LEFT THE SITE BECAUSE THE CLEANUP WILL GO ON THROUGH THE NIGHT. I REQUESTED TO BE CONTACTED IF THEIR WERE ANY PROBLEMS. 12/20/96: MNP TELECON WITH DON WILLIAMSON, CONAP
, CLEANUP STILL UNDERWAY, PRODUCT PUMPED DOWN TO 3". THE PUMP KEEPS FREEZING DUE TO THE COLD TEMPERATURES. STILL NO PRODUCT SPILLED OUTSIDE OF THE DIKE IN THE BUIDING. 12/27/96: MNP INSPECTION, MET WITH GARY POKORSKI, CONAP, SPILL CLEANUP DONE, U
NABLE TO INSPECT SPILL AREA IN TDI BUILDING, STILL NEEDS ADDITIONAL DECON, EVEN THEN AREA WILL STILL HAVE RESTRICTED ACCESS (IE. LEVEL B). AN ESTIMATED 96 LBS. OF TDI LEAKED INTO BASEMENT OF ADJACENT BLDG IN THE MAIN PLANT, SPILLAGE CLEANED UP. ALL
DRUMS OF RECOVERED PRODUCT, DECON WATER & DBRIS STAGED IN HAZ-WASTE DRUM ROOM. NEW ESTIMATE OF TDI SPILLED IS 1970 GALS. CONAP TO SEND PRELIMINARY INCIDENT REPORT TO DEC BY 1/19/97 & A COMPLETE REPORT EXPECTED BY 2/1/97. [TO CC BRUCE BARTZ - AIR RES
OURCES]. 01/21/97: RECEIVED PRELIMINARY REPORT FROM CONAP. CLEANUP OF ALL TDI SPILLAGE INSIDE STORAGE BUILDING COMPLETE. APPROX. 95 LBS (9.3 GALS.) UNACCOUNTED FOR BETWEEN STORAGE BLDG & ADJACENT BASEMENT. CONAP OBTAINING BIDS TO COMPLETE A SITE
ASSESSMENT & REMEDIATE AREA. THEY ALSO PLAN TO CONSTRUCT A NEW TANK FARM FACILITY IN 1997 OR 1998. 11/?/97: GREEN ENV. REMOVED PORTION OF OLD GRAIN AUGER & REPAIRED DIKE IN TDI BUILDING. 01/?/98: MNP TELECONS WITH MATT CHIMPF, GREEN ENV., HOL
E IN WALL BETWEEN TDI BUILDING, AUGER FILLED WITH CONCRETE. TDI READINGS NOTED ON METER. TDI CAN BE SAMPLED VIA MODIFIED EPA METHOD 625. CONAP RELUCTANT TO DO ANALYSIS. BOB REICH TO CALL & DISCUSS. 01/?/98: MNP TELECONS TO BOB REICH - CONAP. NOT
AVAILABLE. 09/08/98 FILE, REVIEW, CONAP SUBMITTED A REPORT OF A SITE ASSESSMENT COMPLETED REGARDING THE TDI SPILL IN A LETTER DATED APRIL 3, 1998. THE TDI DISPOSAL RECEIPTS WERE SUBMITTED ALONG WITH THIS REPORT. TWO SOIL BORINGS COMPLETED AT THE
SPILL AREA SHOW LEVELS OF TDI AT 2.6PPM AND .88PPM IN THE SOIL. A WELL ADJACENT TO THE TDI SPILL AREA SHOWS NO CONTAMINATION PRESENT. THE BORINGS ALSO SHOW THAT BENZO(K)FLUORANTHENE AND CHRYSENE ARE PRESENT AT .45PPM AND .5PPM IN THE SOIL BORINGS.
NO CLEANUP LEVEL IS AVAILABLE FOR TDI. THE BENZO(K)FLUORANTHENE AND THE CHRYSENE EXCEED THE STARS LEVELS. THE SITE CAN BE MADE INACTIVE, NO FURTHER WORK WILL BE REQUIRED. THE TDI CLEANUP LEVEL IS BEING REFERRED TO HAZARDOUS WASTE
REMEDATION TO DETERMINE IF ADDITIONAL WORK IS REQUIRED.
Remark: SPILL CONTAINED IN A DYKED AREA AFTER A VALVE TO A PUMP FAILED INSIDE THE CONTAINMENT AREA - THE 1400 GALLON DID EMPTY - ENVIROMENTAL SERVICES CONTACTED FOR CLEAN UP AND THEY ARE ENROUTE - FD & PD WERE BOTH CONTACTED AND ON SITE
This is the most recent NY SPILLS record for this site.

[Click this hyperlink](#) while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

HIST SPILLS:

Spill Number:	9611515	Region of Spill:	9
Investigator:	FG	SWIS:	04
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spill Date:	12/19/1996 07:15	Reported to Dept:	12/19/96 11:06

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

1000153951

Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	DON WILLIAMSON	Facility Tele:	(716) 372-9654
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	CONAP, INC		
Spiller Address:	1405 BUFFALO STREET OLEAN, NY 14760		

DEC Remarks : 12/19/96: MNP TELECON WITH DON WILLIAMSON, CONAP, SPILL CONTAINED IN DIKE, THEY HIRED EP S TO CLEANUP. 12/19/96: MNP RESPONSE, EP S ON SITE, SPILL CONTAINED INSIDE DIKE AREA IN ONE BUILDING WHICH IS SEPARATE FROM THE REST OF THE PLANT. ADJACENT STORM SANITARY SEWERS WERE CHECKED VISUALLY WITH A TDI DETECTOR, NOTHING FOUND. EP S FOUND ABOUT 12-13 OF PRODUCT IN THE BUILDING WHICH INDICATES 3200 - 3300 GALS SPILLED INSTEAD OF THE ORIGINAL ESTIMATE OF 1400 GALS. MONITORING AT THE OUTSIDE DOOR INDICATES 200 PPM DOWN TO 0 A FEW FEET AWAY. NO OFF-SITE IMPACTS EXPECTED. CONAP HAD ALREADY CLOSED EVACUATED THE PLANT AS A PRECAUTION. CONAP ALSO NOTIFIED THE LOCAL MEDIA, NEIGHBORS PUBLIC SCHOOL. EP S BEGAN PUMPING THE TDI INTO DRUMS STAGED ON POLY OUTSIDE, THE DRUMS TO BE TRANSPORTED TO CONAP S SECURE HAZ-WASTE DRUM STORAGE ROOM ON THE OTHER SIDE OF THE PLANT. I SPOKE WITH THE OLEAN FIRE CHIEF, HE WAS SATISFIED WITH CONTAINMENT CLEANUP PROCEDURES LEFT THE SCENE. AFTER UPDATING SAC, I LEFT THE SITE BECAUSE THE CLEANUP WILL GO ON THROUGH THE NIGHT. I REQUESTED TO BE CONTACTED IF THEIR WERE ANY PROBLEMS. 12/20/96: MNP TELECON WITH DON WILLIAMSON, CONAP, CLEANUP STILL UNDERWAY, PRODUCT PUMPED DOWN TO 3 . THE PUMP KEEPS FREEZING DUE TO THE COLD TEMPERATURES. STILL NO PRODUCT SPILLED OUTSIDE OF THE DIKE IN THE BUIDING. 12/27/96: MNP INSPECTION, MET WITH GARY POKORSKI, CONAP, SPILL CLEANUP DONE, UNABLE TO INSPECT SPILL AREA IN TDI BUILDING, STILL NEEDS ADDITIONAL DEC ON, EVEN THEN AREA WILL STILL HAVE RESTRICTED ACCESS (IE. LEVEL B). AN ESTIMATED 96 LBS. OF TDI LEAKED INTO BASEMENT OF ADJACENT BLDG IN THE MAIN PLANT, SPILLAGE CLEANED UP. ALL DRUMS OF RECOVERED PRODUCT, DECON WATER DBRIS STAGED IN HAZ-WASTE DRUM ROOM. NEW ESTIMATE OF TDI SPILLED IS 1970 GALS. CONAP TO SEND PRELIMINARY INCIDENT REPORT TO DEC BY 1/19/97 A COMPLETE REPORT EXPECTED BY 2/1/97. TO CC BRUCE BARTZ - AIR RESOURCES . 01/21/97: RECEIVED PRELIMINARY REPORT FROM CONAP. CLEANUP OF ALL TDI SPILLAGE INSIDE STORAGE BUILDING COMPLETE. APPROX. 95 LBS (9.3 GALS.) UNACCOUNTED FOR BETWEEN STORAGE BLDG ADJACENT BASEMENT. CONAP OBTAINING BIDS TO COMPLETE A SITE ASSESSMENT REMEDIATE AREA. THEY ALSO PLAN TO CONSTRUCT A NEW TANK FARM FACILITY IN 1997 OR 1998. 11/?/97: GREEN ENV. REMOVED PORTION OF OLD GRAIN AUGER REPAIRED DIKE IN TDI BUILDING. 01/?/98: MNP TELECONS WITH MATT CHIMPF, GREEN ENV., HOLE IN WALL BETWEEN TDI BUILDING, AUGER FILLED WITH CONCRETE. TDI READINGS NOTED ON METER. TDI CAN BE SAMPLED VIA MODIFIED EPA METHOD 625. CONAP RELUCTANT TO DO ANALYSIS. BOB REICH TO CALL DISCUSS. 01/?/98: MNP TELECONS TO BOB REICH - CONAP. NOT AVAILABLE. 09/08/98 FILE, REVIEW, CONAP SUBMITTED A REPORT OF A SITE ASSESSMENT COMPLETED REGARDING THE TDI SPILL IN A LETTER DATED APRIL 3, 1998. THE TDI DISPOSAL RECEIPTS WERE SUBMITTED ALONG WITH THIS REPORT. TWO SOIL BORINGS COMPLETED AT THE SPILL AREA SHOW LEVELS OF TDI AT 2.6PPM AND .88PPM IN THE SOIL. A WELL ADJACENT TO THE TDI SPILL AREA SHOWS NO CONTAMINATION PRESENT. THE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

1000153951

BORINGS ALSO SHOW THAT BENZO K)FLUORANTHENE AND CHRYSENE ARE PRESENT AT .45PPM AND .5PPM IN THE SOIL BORINGS. NO CLEANUP LEVEL IS AVAILABLE FOR TDI. THE BENZO K)FLUORANTHENE AND THE CHRYSENE EXCEED THE STARS LEVELS. THE SITE CAN BE MADE INACTIVE, NO FURTHER WORK WILL BE REQUIRED. THE TDI CLEANUP LEVEL IS BEING REFERRED TO HAZARDOUS WASTE REMEDIATION TO DETERMINE IF ADDITIONAL WORK IS REQUIRED.

Remark: SPILL CONTAINED IN A DYKED AREA AFTER A VALVE TO A PUMP FAILED INSIDE THE CONTAINMENT AREA - THE 1400 GALLON DID EMPTY - ENVIROMENTAL SERVICES CONTACTED FOR CLEAN UP AND THEY ARE ENROUTE - FD PD WERE BOTH CONTACTED AND ON SITE

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

Material:

Material Class Type: 2
Quantity Spilled: 1970
Units: Gallons
Unknown Qty Spilled: 1970
Quantity Recovered: 1900
Unknown Qty Recovered: False
Material: TOLUENE 2,4-DIISOCYANATE
Class Type: Hazardous
Chem Abstract Service Number: TOLUENE 2,4-DIISOCYANATE
Last Date: Not reported
Num Times Material Entry In File: 0

Spill Closed Dt: 09/08/98
Cleanup Ceased: / /
Last Inspection: 12/27/96
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 10/08/99
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/19/96
Date Region Sent Summary to Central Office: / /

Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

This is the most recent NY HISTORIC SPILLS record for this site.

[Click this hyperlink](#) while viewing on your computer to access additional NY HIST SPILLS detail in the EDR Site Report.

CBS AST:

CBS Number: 9-000136 Telephone: (716) 372-9650
Owner: CYTEC INDUSTRIES, INC.
FIVE GARRET MOUNTAIN PLAZA
WEST PATERSON, NJ 07424
(716) 372-9650

Facility Status: Active
Total Tanks: 2
Tank Status: In Service
Tank Error Status: No Missing Data
Tank Location: Aboveground on crib, rack or cradle
Install Date: 06/85
Capacity (Gal): 5000
Tank Type: Stainless steel alloy
Substance: Single Hazardous Substance on DEC List
Extrnl Protection: None
Intrnl Protection: None

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000153951

Tank Containment:	Other	Pipe Location:	Aboveground
Pipe Type:	STAINLESS STEEL ALLOY		
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	Other		
Overfill Protection:	Not reported		
Chemical:	Toluene diisocyanite		
Tank Closed:	06/99		
PBS Number:	9-042684	SWIS Code:	0466
Federal ID:	Not reported		
MOSF Number:	-	CAS Number:	26471625
SPDES Number:	0-24471	ICS Number:	9-179343
Facility Type:	Manufacturing		
Operator:	GERRET PETERS	Facility Town:	OLEAN
Emrgncy Contact:	JOHN NORTHRUP	Emrgncy Phone:	(716) 372-7955
Certified Date:	03/29/2001	Expiration Date:	06/20/2003
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	CYTEC INDUSTRIES, INC.		
Mail Contact:	TOM HARDES		
	1405 BUFFALO STREET		
	OLEAN, NY 14760		
Mail Phone:	(716) 372-9650		
Tank Secret:	False	Date Entered:	06/20/1989 10:01:49
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	03/01/93	Date Expired:	06/20/95
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	14000		
Unique Tank Id Number:	00001		
Date Pre-Printed Renewal App Form Was Last Printed:	03/12/2001		
CBS Number:	9-000136	Telephone:	(716) 372-9650
Owner:	CYTEC INDUSTRIES, INC.		
	FIVE GARRET MOUNTAIN PLAZA		
	WEST PATERSON, NJ 07424		
	(716) 372-9650		
Facility Status:	Active		
Total Tanks:	2		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground on crib, rack or cradle		
Install Date:	06/85		
Capacity (Gal):	5000		
Tank Type:	Stainless steel alloy		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	Other		
Pipe Type:	STAINLESS STEEL ALLOY	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000153951

Pipe Containment:	None	Haz Percent:	100
Leak Detection:	Other		
Overfill Protection:	Not reported		
Chemical:	Toluene 2,4-diisocyanate		
Tank Closed:	06/99		
PBS Number:	9-042684	SWIS Code:	0466
Federal ID:	Not reported		
MOSF Number:	-	CAS Number:	584849
SPDES Number:	0-24471	ICS Number:	9-179343
Facility Type:	Manufacturing		
Operator:	GERRET PETERS	Facility Town:	OLEAN
Emrgncy Contact:	JOHN NORTHRUP	Emrgncy Phone:	(716) 372-7955
Certified Date:	03/29/2001	Expiration Date:	06/20/2003
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	CYTEC INDUSTRIES, INC.		
Mail Contact:	TOM HARDES		
	1405 BUFFALO STREET		
	OLEAN, NY 14760		
Mail Phone:	(716) 372-9650		
Tank Secret:	False	Date Entered:	06/20/1989 10:01:25
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	03/01/93	Date Expired:	06/20/95
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	14000		
Unique Tank Id Number:	00002		
Date Pre-Printed Renewal App Form Was Last Printed:		03/12/2001	
CBS Number:	9-000136	Telephone:	(716) 372-9650
Owner:	CYTEC INDUSTRIES, INC.		
	FIVE GARRET MOUNTAIN PLAZA		
	WEST PATERSON, NJ 07424		
	(716) 372-9650		
Facility Status:	Active		
Total Tanks	2		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground on crib, rack or cradle		
Install Date:	10/99		
Capacity (Gal):	7000		
Tank Type:	Stainless steel alloy		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	Other		
Pipe Type:	STAINLESS STEEL ALLOY	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	Other		
Overfill Protection:	3/3		
Chemical:	Toluene diisocyanite		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000153951

Tank Closed:	02/00	SWIS Code:	0466
PBS Number:	9-042684	CAS Number:	26471625
Federal ID:	Not reported	ICS Number:	9-179343
MOSF Number:	-	Facility Town:	OLEAN
SPDES Number:	0-24471	Emrgncy Phone:	(716) 372-7955
Facility Type:	Manufacturing	Expiration Date:	06/20/2003
Operator:	GERRET PETERS		
Emrgncy Contact:	JOHN NORTHRUP		
Certified Date:	03/29/2001		
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	CYTEC INDUSTRIES, INC.		
Mail Contact:	TOM HARDES		
	1405 BUFFALO STREET		
	OLEAN, NY 14760		
Mail Phone:	(716) 372-9650	Date Entered:	04/01/1999 08:18:42
Tank Secret:	False	Due Date:	Not reported
Last Test:	Not reported	Owner Mark:	1
Pipe Flag:	False	Date Expired:	06/20/95
Renew Date:	03/01/93	Is Updated:	False
Is it There:	False		
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	14000		
Unique Tank Id Number:	0001		
Date Pre-Printed Renewal App Form Was Last Printed:	03/12/2001		
CBS Number:	9-000136	Telephone:	(716) 372-9650
Owner:	CYTEC INDUSTRIES, INC.		
	FIVE GARRET MOUNTAIN PLAZA		
	WEST PATERSON, NJ 07424		
	(716) 372-9650		
Facility Status:	Active		
Total Tanks	2		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground on crib, rack or cradle		
Install Date:	10/99		
Capacity (Gal):	7000		
Tank Type:	Stainless steel alloy		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	Other		
Pipe Type:	STAINLESS STEEL ALLOY	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	Other		
Overfill Protection:	3/3		
Chemical:	Toluene 2,4-diisocyanate		
Tank Closed:	02/00		
PBS Number:	9-042684	SWIS Code:	0466
Federal ID:	Not reported	CAS Number:	584849
MOSF Number:	-		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

EDR ID Number
EPA ID Number

1000153951

SPDES Number:	0-24471	ICS Number:	9-179343
Facility Type:	Manufacturing		
Operator:	GERRET PETERS	Facility Town:	OLEAN
Emrgncy Contact:	JOHN NORTHRUP	Emrgncy Phone:	(716) 372-7955
Certified Date:	03/29/2001	Expiration Date:	06/20/2003
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	CYTEC INDUSTRIES, INC.		
Mail Contact:	TOM HARDES		
	1405 BUFFALO STREET		
	OLEAN, NY 14760		
Mail Phone:	(716) 372-9650		
Tank Secret:	False	Date Entered:	04/01/1999 08:19:03
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	03/01/93	Date Expired:	06/20/95
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	14000		
Unique Tank Id Number:	00002		
Date Pre-Printed Renewal App Form Was Last Printed:			03/12/2001

This is the most recent NY CBS AST data for this site.

[Click this hyperlink](#) while viewing on your computer to access
1 additional NY CBS AST record(s) in the EDR Site Report.

LTANKS:

Spill Number:	9005295	Region of Spill:	9
Facility ID :	9005295	DER Facility ID :	224933
Site ID :	276671	CID :	Not reported
Spill Date:	08/13/90	Reported to Dept:	08/13/90
Referred To :	Not reported	DEC Region :	9
Water Affected:	Not reported	Spill Source:	COMMERCIAL/INDUSTRIAL
Spill Cause:	TANK FAILURE		
Facility Address 2:	Not reported	Facility Tele:	(716) 372-9650
Investigator:	MXFRANKS	SWIS:	0566
Caller Name:	KEN CAMPBELL	Caller Agency:	GRIFFITH OIL
Caller Phone:	(716) 372-2171	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:	Not reported		
Spiller Company :	CONAP INC.		
Spiller Address:	1405 BUFFALO STREET		
	OLEAN, NY 14760		
Spiller County :	001		
Spill Class:	Not reported		
Spill Closed Dt:	09/14/90		
Spill Notifier:	DEC		
Cleanup Ceased:	09/14/90		
Last Inspection:	/ /		
Cleanup Meets Standard:	True		
Recommended Penalty:	Penalty Not Recommended		
UST Involvement:	False		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000153951

Spill Record Last Update: 09/19/90
Date Spill Entered In Computer Data File: 08/16/90
Remediation Phase : 0
Program Number : 9005295
Material
Material ID : 436347
Site ID : 276671
Operable Unit : 01
Operable Unit ID : 945778
Material Code : 0001
Material Name : #2 Fuel Oil
Case No. : Not reported
Material FA : Petroleum
Quantity : Not reported
Units : G
Recovered : Not reported
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
Resource Affected - Surface Water : No
Resource Affected - Drinking Wtr : No
Resource Affected - Sewer : No
Resource Affected - Impervious Surface : No
Resource Affected - Subway : No
Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False

Tank Test

Spill Tank Test : 11989
Site ID : 276671
Tank Number : Not reported
Tank Size : 0
Test Method : 00
Leak Rate : 0.00
Gross Fail : Not reported
Modified By : Spills
Last Modified : 10/01/04
Test Method : Unknown

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "MF"
08/14/90: RNL NOTIFIED CACHD 08/14/90, T. POWERS; RNL TELECON TO
GRIFFITH OIL 08/14/90, CONAP FOUND FITTING LEAK, WILL REPAIR AND RETEST.
09/14/90: MF RECEIVED RETEST RESULTS,
TANK PASSED. NO FUTHER ACTION NECESSARY.

Remark: 10000 GALLON TANK FAILED TANK AT CONAP, FAILURE RATE -1.214

Spill Number:	9108208	Region of Spill:	9
Facility ID :	9108208	DER Facility ID :	184151
Site ID :	222699	CID :	31
Spill Date:	10/31/91	Reported to Dept:	10/31/91
Referred To :	Not reported	DEC Region :	9
Water Affected:	Not reported	Spill Source:	COMMERCIAL/INDUSTRIAL
Spill Cause:	TANK TEST FAILURE		
Facility Address 2:	Not reported	Facility Tele:	(716) 372-9650
Investigator:	MXFRANKS	SWIS:	0566
Caller Name:	KEN CAMPBELL	Caller Agency:	GRIFFITH OIL
Caller Phone:	(716) 372-2171	Caller Extension:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CYTEC OLEAN INCORPORATED (Continued)

1000153951

Notifier Name: Not reported
Notifier Phone: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Company : CONAP INC
Spiller Address: 1405 BUFFALO STREET
 OLEAN, NY 14760
Spiller County : 001
Spill Class: Not reported
Spill Closed Dt: 12/30/91
Spill Notifier: TANK TESTER
Cleanup Ceased: 12/30/91
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Spill Record Last Update: 01/24/92
Date Spill Entered In Computer Data File: 10/31/91
Remediation Phase : 0
Program Number : 9108208
Material
Material ID : 420367
Site ID : 222699
Operable Unit : 01
Operable Unit ID : 958584
Material Code : 0001
Material Name : #2 Fuel Oil
Case No. : Not reported
Material FA : Petroleum
Quantity : Not reported
Units : Not reported
Recovered : Not reported
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
Resource Affected - Surface Water : No
Resource Affected - Drinking Wtr : No
Resource Affected - Sewer : No
Resource Affected - Impervious Surface : No
Resource Affected - Subway : No
Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False
Tank Test
Spill Tank Test : 13820
Site ID : 222699
Tank Number : Not reported
Tank Size : 0
Test Method : 00
Leak Rate : 0.00
Gross Fail : Not reported
Modified By : Spills
Last Modified : 10/01/04
Test Method : Unknown

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "MF"
11/01/91: MF INFO WILL EXCAVATE & RETEST. 11/01/91: MF 11/1/91 TELECON

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CYTEC OLEAN INCORPORATED (Continued)

1000153951

SPILLER, GAVE HIM TANK OPTIONS. LETTTER SENT. 12/11/91: MF 11/9/91
TELECON SPILLER, HE CLAIMED TANK PA
SSED RETEST (AIR POCKET). HE HASEN'T RECEIVED THE RESULTS FROM GRIFFITH
AS YET. HE WILL FOWARD THEY TO ME WHEN HE RECEIVES THEM. 12/30/91: MF
12/30/91 RECEIVED COPY OF TANK RETEST RESULTS. TANK PASSED, NO REASON
FOR FIRST FAILURE. NO FURTHER ACTIO
N NECESSARY.

Remark: 10K #2FO TANK TEST FAILURE, WILL EXCAVATE & RETEST.

Spill Number:	9708644	Region of Spill:	9
Facility ID :	9708644	DER Facility ID :	99383
Site ID :	113907	CID :	31
Spill Date:	10/23/97	Reported to Dept:	10/23/97
Referred To :	Not reported	DEC Region :	9
Water Affected:	Not reported	Spill Source:	UNKNOWN
Spill Cause:	TANK OVERFILL		
Facility Address 2:	Not reported	Facility Tele:	(716) 372-9650
Investigator:	PRINGLE	SWIS:	0566
Caller Name:	JAMES GRIEG	Caller Agency:	GREEN ENVIORNMENT
Caller Phone:	(716) 298-5297	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:	TOM HARDES		
Spiller Company :	CONAP		
Spiller Address:	1405 BUFFALO ST		
	OLEAN, NY		
Spiller County :	001		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Spill Closed Dt: 01/23/98

Spill Notifier: OTHER

Cleanup Ceased: / /

Last Inspection: 10/29/97

Cleanup Meets Standard: True

Recommended Penalty: Penalty Not Recommended

UST Involvement: False

Spill Record Last Update: 01/23/98

Date Spill Entered In Computer Data File: 10/23/97

Remediation Phase : 0

Program Number : 9708644

Material

Material ID : 330598

Site ID : 113907

Operable Unit : 01

Operable Unit ID : 1051757

Material Code : 0001

Material Name : #2 Fuel Oil

Case No. : Not reported

Material FA : Petroleum

Quantity : Not reported

Units : G

Recovered : Not reported

Resource Affected - Soil : No

Resource Affected - Air : No

Resource Affected - Indoor Air : No

Resource Affected - Groundwater : Yes

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CYTEC OLEAN INCORPORATED (Continued)

1000153951

Resource Affected - Surface Water : No
Resource Affected - Drinking Wtr : No
Resource Affected - Sewer : No
Resource Affected - Impervious Surface : No
Resource Affected - Subway : No
Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False

Tank Test

Spill Tank Test : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "MNP"
10/29/97: MNP INSP. MET W/ JAMES GREIG - GREEN ENV. VISIBLE
CONTAMINATION IN BOTTOM OF EXCAVATION, PETRO. ODOR NOTED. ADDITIONAL
SOIL REMOVED, TO CHECK AGAIN LATER TODAY. 10
/29/97: MNP INSP. ABOUT 300 YDS. CONTAM. SOIL REMOVED. SOIL PASSED SHEEN
TEST, NO SIGNIFICANT ODORS NOTED. SOIL SAMPLES COLLECTED FROM BOTTOM FOR
STARS #1 ANALYSIS. 11/21/97: REVIEWED DISPOSAL RECEIPTS RECEIVED ON
11/19/97. APPROX. 205 TONS DIS
POSED AT MODERN LANDFILL ON 11/6/97. SITE NEEDS FINAL INSP. BEFORE
CLOSING. 11/ /97: MNP INSP. EXCAVATION BACKFILLED, SOIL GONE,
COMPLETE

Remark: TANK REMOVAL CONTRACTOR REPORTED CONTAMINATION PER SAMPLE RESULTS
LEVELS WELL ABOVE NYSDEC GUIDANCE VALUES

HIST LTANKS:

Spill Number:	9005295	Region of Spill:	9
Spill Date:	08/13/1990 15:00	Reported to Dept:	08/13/90 15:15
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Facility Contact:	Not reported	Facility Tele:	(716) 372-9650
Investigator:	MF	SWIS:	04
Caller Name:	Not reported	Caller Agency:	Not reported
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:	CONAP INC.		
Spiller Address:	1405 BUFFALO STREET OLEAN, NY 14760		
Spill Class:	Not reported		
Spill Closed Dt:	09/14/90		
Spill Notifier:	DEC	PBS Number:	9-042684
Cleanup Ceased:	09/14/90		
Last Inspection:	/ /		
Cleanup Meets Standard:	True		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		

1000153951

Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 09/19/90
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/16/90
Date Region Sent Summary to Central Office: / /
Tank Test:

PBS Number:	7-033847
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	0
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1	
Quantity Spilled:	0	
Units:	Gallons	
Unknown Qty Spilled:	No	
Quantity Recovered:	0	
Unknown Qty Recovered:	False	
Material:	#2 FUEL OIL	
Class Type:	Petroleum	
Chem Abstract Service Number:		#2 FUEL OIL
Last Date:		12/07/1994
Num Times Material Entry In File:		24464

DEC Remarks: 08/14/90: RNL NOTIFIED CACHD 08/14/90, T. POWERS; RNL TELECON TO GRIFFIT
H OIL 08/14/90, CONAP FOUND FITTING LEAK, WILL REPAIR AND RETEST. 09/14
/90: MF RECEIVED RETEST RESULTS. TANK PASSED. NO FUTHER ACTION NECESSARY

Spill Cause: 10000 GALLON TANK FAILED TANK AT CONAP, FAILURE RATE -1.214

Spill Number:	9108208	Region of Spill:	9
Spill Date:	10/31/1991 15:00	Reported to Dept:	10/31/91 15:48
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Resource Affected:	On Land		
Spill Cause:	Tank Test Failure		
Facility Contact:	Not reported	Facility Tele:	(716) 372-9650
Investigator:	MF	SWIS:	04
Caller Name:	Not reported	Caller Agency:	Not reported
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:	CONAP INC		
Spiller Address:	1405 BUFFALO STREET		
	OLEAN, NY 14760		

Spill Class:	Not reported		
Spill Closed Dt:	12/30/91		
Spill Notifier:	Tank Tester	PBS Number:	Not reported
Cleanup Ceased:	12/30/91		
Last Inspection:	/ /		
Cleanup Meets Standard:	True		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CYTEC OLEAN INCORPORATED (Continued)

1000153951

UST Involvement: False
Spill Record Last Update: 01/24/92
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/31/91
Date Region Sent Summary to Central Office: / /

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464

DEC Remarks: 11/01/91: MF INFO WILL EXCAVATE RETEST. 11/01/91: MF 11/1/91 TELECON SPI
LLER, GAVE HIM TANK OPTIONS. LETTTER SENT. 12/11/91: MF 11/9/91 TELECON
SPILLER, HE CLAIMED TANK PASSED RETEST AIR POCKET). HE HASEN T RECEIVED
THE RESULTS FROM GRIFFITH AS YET. HE WILL FOWARD THEY TO ME WHEN HE RECE
IVES THEM. 12/30/91: MF 12/30/91 RECEIVED COPY OF TANK RETEST RESULTS. T
ANK PASSED, NO REASON FOR FIRST FAILURE. NO FURTHER ACTION NECESSARY.

Spill Cause: 10K 2FO TANK TEST FAILURE, WILL EXCAVATE RETEST.

Spill Number:	9708644	Region of Spill:	9
Spill Date:	10/20/1997 12:00	Reported to Dept:	10/23/97 11:30
Water Affected:	Not reported	Spill Source:	Unknown
Resource Affectd:	Groundwater		
Spill Cause:	Tank Overfill		
Facility Contact:	TOM HARDES	Facility Tele:	(716) 372-9650
Investigator:	MNP	SWIS:	04
Caller Name:	Not reported	Caller Agency:	Not reported
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:	CONAP		
Spiller Address:	1405 BUFFALO ST		
	OLEAN, NY		

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

Spill Closed Dt: 01/23/98
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: 10/29/97
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /

PBS Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CYTEC OLEAN INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000153951

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 01/23/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/23/97
Date Region Sent Summary to Central Office: / /

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464

DEC Remarks: 10/29/97: MNP INSP. MET W/ JAMES GREIG - GREEN ENV. VISIBLE CONTAMINATION IN BOTTOM OF EXCAVATION, PETRO. ODOR NOTED. ADDITIONAL SOIL REMOVED, TANK CHECK AGAIN LATER TODAY. 10/29/97: MNP INSP. ABOUT 300 YDS. CONTAM. SOIL REMOVED. SOIL PASSED SHEEN TEST, NO SIGNIFICANT ODORS NOTED. SOIL SAMPLES COLLECTED FROM BOTTOM FOR STARS 1 ANALYSIS. 11/21/97: REVIEWED DISPOSAL RECEIPTS RECEIVED ON 11/19/97. APPROX. 205 TONS DISPOSED AT MODERN LANDFILL ON 11/6/97. SITE NEEDS FINAL INSP. BEFORE CLOSING. 11/97: MNP INSP. EXCAVATION BACKFILLED, SOIL GONE, COMPLETE
Spill Cause: TANK REMOVAL CONTRACTOR REPORTED CONTAMINATION PER SAMPLE RESULTS LEVELS WELL ABOVE NYSDEC GUIDANCE VALUES

C13
SSW
1/4-1/2
1910 ft.

CONAP INC
1405 BUFFALO ST
OLEAN, NY 14760

UST U003316581
N/A

Site 2 of 2 in cluster C

Relative:
Higher

PBS UST:

PBS Number: 9-042684
SPDES Number: -
Operator: CONAP INC
(716) 372-9650
Emergency Contact: TOM HARDES
(716) 676-9111

CBS Number: 9-000136
SWIS ID: 0466

Actual:
1433 ft.

Total Tanks: 0
Owner: CONAP INC
1405 BUFFALO ST
OLEAN, NY 14760
(716) 372-9650
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CONAP INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003316581

Mailing Address:	CONAP INC ATTN: TOM HARDES 1405 BUFFALO ST OLEAN, NY 14760 (716) 372-9650	
Tank Status:	Closed - Removed	
Capacity (gals):	10000	
Tank Location:	UNDERGROUND	
Tank Id:	1	Install Date: 07/01/1974
Tank Type:	Steel/carbon steel	Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal: NONE
Pipe Location:	Above/Underground Combination	Pipe Type: GALVANIZED STEEL
Tank External:	NONE	
Missing Data for Tank:	No Missing Data	
Pipe External:	NONE	
Second Containment:	NONE	
Leak Detection:	NONE	
Overfill Prot:	Product Level Gauge	Dispenser: Suction
Date Tested:	10/01/1996	Next Test Date: Not reported
Date Closed:	09/01/1997	Test Method: HORNER
Deleted:	False	Updated: True
Dead Letter:	False	Owner Screen: No data missing
FAMT:	Fiscal amount for registration fee is correct	
Total Capacity:	0	Renewal Date: Not reported
Tank Screen:	0	Federal ID: Not reported
Renew Flag:	Renwal has not been printed	Facility Screen: No data missing
Certification Flag:	False	Certification Date: 11/19/1996
Old PBS Number:	Not reported	Expiration Date: 11/14/2001
Inspected Date:	10/25/1996	Inspector: BAJ
Inspection Result:	Not reported	
Lat/long:	42 05 05 / 78 26 40	
Facility Type:	OTHER	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	

D14
NNE
1/4-1/2
1932 ft.

R G SCOTT
900 W CONNELL ST
OLEAN, NY 14760

RCRA-SQG 1000140751
FINDS NYD000822932

Site 1 of 3 in cluster D

Relative:
Higher

RCRAInfo:
Owner: VAN DER HORST CORP
(716) 372-5200
EPA ID: NYD000822932
Contact: ROBERT BUSH
(716) 372-2946

Actual:
1430 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

R G SCOTT (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000140751

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

D15
NNE
1/4-1/2
1938 ft.

ANDERSON EQUIPMENT COMPANY (NY), INC.
355 EAST FRANKLIN STREET
OLEAN, NY 14760

AST A100183665
N/A

Site 2 of 3 in cluster D

Relative:
Higher

PBS AST:

Actual:
1430 ft.

PBS Number:	9-600535	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	0412
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	ANDERSON EQUIPMENT COMPANY (NY), INC. 101 GREAT ARROW AVENUE BUFFALO, NY 14216		
Owner Phone:	(716) 877-1992		
Facility Phone:	(716) 372-8822		
Operator:	ROD DABOLT		
Emergency Name:	BILL SNOWBERGER		
Emergency Phone:	(716) 877-1992		
Total Tanks:	3		
Total Capacity:	4336		
Tank ID:	260		
Capacity (Gal):	2500		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	USED OIL (fuel)		
Tank Type:	Steel/carbon steel		
Install Date:	12/01/1992		
Tank Internal:	NONE		
Tank External:	NONE		
Tank Containment:	OTHER		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE		
Leak Detection:	OTHER		
Overfill Protection:	High Level Alarm		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	ANDERSON EQUIPMENT COMPANY (NY), INC.		
Mailing Address:	101 GREAT ARROW AVENUE BUFFALO, NY 14216		
Mailing Contact:	BILL SNOWBERGER		
Mailing Telephone:	(716) 877-1992		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ANDERSON EQUIPMENT COMPANY (NY), INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

A100183665

Owner Mark:	First Owner	Expiration Date:	08/08/2006
Certification Flag:	False	Certification Date:	08/17/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	OLEAN (C)		
Town or City Code:	12		
County Code:	04		
Region:	9		
Fiscal Amount for Registration Fee is Correct: True			
PBS Number:	9-600535	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	0412
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	ANDERSON EQUIPMENT COMPANY (NY), INC. 101 GREAT ARROW AVENUE BUFFALO, NY 14216		
Owner Phone:	(716) 877-1992		
Facility Phone:	(716) 372-8822		
Operator:	ROD DABOLT		
Emergency Name:	BILL SNOWBERGER		
Emergency Phone:	(716) 877-1992		
Total Tanks:	3		
Total Capacity:	4336		
Tank ID:	262		
Capacity (Gal):	716		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	LUBE OIL		
Tank Type:	Steel/carbon steel		
Install Date:	10/11/1993		
Tank Internal:	NONE		
Tank External:	NONE		
Tank Containment:	OTHER		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE		
Leak Detection:	OTHER		
Overfill Protection:	High Level Alarm		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	ANDERSON EQUIPMENT COMPANY (NY), INC.		
Mailing Address:	101 GREAT ARROW AVENUE BUFFALO, NY 14216		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ANDERSON EQUIPMENT COMPANY (NY), INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

A100183665

Mailing Contact:	BILL SNOWBERGER	
Mailing Telephone:	(716) 877-1992	
Owner Mark:	First Owner	Expiration Date: 08/08/2006
Certification Flag:	False	Certification Date: 08/17/2001
Renew Flag:	False	Renew Date: / /
Lat/Long:	Not reported	
Dead Letter:	False	
Facility Screen:	No data missing	
Owner Screen:	No data missing	
Tank Screen:	No data missing	
Town or City:	OLEAN (C)	
Town or City Code:	12	
County Code:	04	
Region:	9	
Fiscal Amount for Registration Fee is Correct:	True	
PBS Number:	9-600535	CBS Number: Not reported
SPDES Number:	Not reported	SWIS Code: 0412
Federal ID:	Not reported	Previous PBS#: Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	
Facility Type:	OTHER	
Owner Type:	Corporate/Commercial	
Owner Sub Type:	Not reported	
Owner:	ANDERSON EQUIPMENT COMPANY (NY), INC. 101 GREAT ARROW AVENUE BUFFALO, NY 14216	
Owner Phone:	(716) 877-1992	
Facility Phone:	(716) 372-8822	
Operator:	ROD DABOLT	
Emergency Name:	BILL SNOWBERGER	
Emergency Phone:	(716) 877-1992	
Total Tanks:	3	
Total Capacity:	4336	
Tank ID:	264	
Capacity (Gal):	1120	
Missing Data for Tank :	No data missing	
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE	
Product Stored:	NOS 1,2, OR 4 FUEL OIL	
Tank Type:	Steel/carbon steel	
Install Date:	11/01/1992	
Tank Internal:	NONE	
Tank External:	NONE	
Tank Containment:	OTHER	
Pipe Type:	GALVANIZED STEEL	
Pipe Location:	Aboveground	
Pipe Internal:	NONE	
Pipe External:	NONE	
Leak Detection:	OTHER	
Overfill Protection:	Product Level Gauge	
Dispenser Method:	Suction	
Date Tested:	/ /	Next Test Date: / /
Date Closed:	/ /	Test Method: Not reported
Updated:	True	Deleted: False
Date Inspected:	Not reported	Inspector: Not reported
Result of Inspection:	Not reported	
Mailing Name:	ANDERSON EQUIPMENT COMPANY (NY), INC.	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ANDERSON EQUIPMENT COMPANY (NY), INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

A100183665

Mailing Address: 101 GREAT ARROW AVENUE
BUFFALO, NY 14216
Mailing Contact: BILL SNOWBERGER
Mailing Telephone: (716) 877-1992
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: OLEAN (C)
Town or City Code: 12
County Code: 04
Region: 9
Expiration Date: 08/08/2006
Certification Date: 08/17/2001
Renew Date: / /
Fiscal Amount for Registration Fee is Correct: True

**E16
SSE
1/4-1/2
1947 ft.**

**ADVANCED MONOLYTHIC CERAMICS
1010 WAYNE ST
OLEAN, NY 14760**

**RCRA-SQG 1001119557
FINDS NYR000028449**

Site 1 of 3 in cluster E

**Relative:
Higher**

RCRAInfo:
Owner: CATTARAUGUS ECONOMIC DEVELOPMENT
(716) 373-9260
EPA ID: NYR000028449
Contact: DANIEL JORDAN
(716) 312-5225

**Actual:
1428 ft.**

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

**F17
NW
1/4-1/2
1959 ft.**

**NYS POLICE WESTERN REGIONAL CRIME LAB
722 HOMER ST
OLEAN, NY 14760**

**RCRA-SQG 1007264861
NYR000123232**

Site 1 of 4 in cluster F

**Relative:
Higher**

**Actual:
1428 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NYS POLICE WESTERN REGIONAL CRIME LAB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1007264861

RCRAInfo:

Owner: CITY OF OLEAN
(716) 373-5525

EPA ID: NYR000123232

Contact: ROBERT CAMPBELL
(716) 373-5525

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

**F18
NW
1/4-1/2
1959 ft.**

**WESTERN REGIONAL CRIME LABORATORY
722 HOMER STREET
OLEAN, NY 14760**

**UST U003316674
N/A**

Site 2 of 4 in cluster F

**Relative:
Higher**

PBS UST:

PBS Number: 9-059706
SPDES Number: Not reported
Operator: NEW YORK STATE POLICE
(716) 373-5525

CBS Number: Not reported
SWIS ID: 0466

Emergency Contact: STATION COMMANDER
(716) 373-5525

Total Tanks: 0
Owner: NYS DIV STATE POLICE- DIV HQ
BLDG 22 STATE CAMPUS
ALBANY, NY 12226
(518) 457-6811

Owner Type: State Government
Owner Mark: First Owner
Owner Subtype: NYS Division of State Police
Mailing Address: NYS DIV STATE POLICE - DIV.HQ
ATTN: MAJOR-ADMINISTRATION
BLDG 22 STATE CAMPUS
1220 WASHINGTON AVE
ALBANY, NY 12226
(518) 457-6811

Tank Status: Closed - Removed

Capacity (gals): 2000

Tank Location: UNDERGROUND

Tank Id: 1

Tank Type: Steel/carbon steel

Tank Internal: FIBERGLASS LINER [FRP]

Pipe Location: Above/Underground Combination

Tank External: NONE

Missing Data for Tank: No Missing Data

Pipe External: NONE

Second Containment: NONE

Leak Detection: NONE

Overfill Prot: Product Level Gauge

Date Tested: 05/01/1993

Date Closed: 09/01/1998

Deleted: False

Dead Letter: False

FAMT: Fiscal amount for registration fee is correct

Total Capacity: 0

Install Date: 07/01/1986
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: HORNER
Updated: True
Owner Screen: No data missing
Renewal Date: 10/17/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

WESTERN REGIONAL CRIME LABORATORY (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003316674

Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/20/1998
Old PBS Number:	Not reported	Expiration Date:	12/30/2001
Inspected Date:	10/16/1996	Inspector:	BAJ
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		

F19
NW
1/4-1/2
1959 ft.

NYS POLICE/NYSOGS
722 HOMER STREET
OLEAN, NY

LTANKS
HIST LTANKS
S103479565
N/A

Site 3 of 4 in cluster F

Relative:
Higher

Actual:
1428 ft.

LTANKS:

Spill Number:	9807382	Region of Spill:	9
Facility ID :	9807382	DER Facility ID :	100593
Site ID :	115435	CID :	31
Spill Date:	09/16/98	Reported to Dept:	09/16/98
Referred To :	Not reported	DEC Region :	9
Water Affected:	Not reported	Spill Source:	INSTITUTIONAL, EDUCATIONAL, GOV., OTHER
Spill Cause:	TANK FAILURE		
Facility Address 2:	Not reported		
Investigator:	JFOTTO	Facility Tele:	Not reported
Caller Name:	MATT BOKUS	SWIS:	0566
Caller Phone:	(518) 370-5631	Caller Agency:	FLOOR DANIEL GTI
Notifier Name:	Not reported	Caller Extension:	Not reported
Notifier Phone:	Not reported	Notifier Agency:	Not reported
Notifier Extension:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	MIKE BECHELLI	Spiller Phone:	(716) 373-5525
Spiller:	OWEN BYRNE		
Spiller Company :	NYS POLICE/NYSOGS		
Spiller Address:	722 HOMER STREET OLEAN, NY		
Spiller County :	001		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response.		
	Willing Responsible Party. Corrective action taken.		

Spill Closed Dt: 03/17/99

Spill Notifier: RESPONSIBLE PARTY

Cleanup Ceased: / /

Last Inspection: 09/18/98

Cleanup Meets Standard: True

Recommended Penalty: Penalty Not Recommended

UST Involvement: True

Spill Record Last Update: 07/21/00

Date Spill Entered In Computer Data File: 09/16/98

Remediation Phase : 0

Program Number : 9807382

Material

Material ID : 318473

Site ID : 115435

Operable Unit : 01

Operable Unit ID : 1064952

Material Code : 0009

Material Name : Gasoline

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NYS POLICE/NYSOGS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103479565

Case No. : Not reported
Material FA : Petroleum
Quantity : Not reported
Units : G
Recovered : Not reported
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
Resource Affected - Surface Water : No
Resource Affected - Drinking Wtr : No
Resource Affected - Sewer : No
Resource Affected - Impervious Surface : No
Resource Affected - Subway : No
Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False

Tank Test

Spill Tank Test : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "JFO"
09/16/98: JFO NOTE, SPILL ORIGINALLY SENT TO REGION 7, BOB CORCORAN
CORRECTED 09/18/98: JFO ON SITE, MET WITH MIKE BICELLI WITH THE
STATE TROOPERS. HOLE BACKFILLED AND SAM
PLES TAKEN. SOIL STAGED ON PLASTIC. 02/04/99: JFO RECEIVED CLOSURE
REPORT WITH REQUEST FOR NO FURTHER ACTION LETTER. REPORT DOESN'T
CONTAIN THE DISPOSAL RECEIPTS FOR SOIL. 02/05/99: JFO CALL TO OWEN
BYRNE (OGS), NOT IN, LEFT MESSAGE ON MACHI
NE. 02/08/99: JFO CALL TO JOHN WAECHTER (SUBMITTED REPORT). NOT IN,
LEFT MESSAGE ON MACHINE. 02/10/99: JFO CALL TO OWEN BYRNE. HE WILL
FORWARD RECEIPTS WHEN HE FINDS THEM. 02/24/99: JFO SENT LETTER TO
CONFIRM OUR TELEPHONE CONVERSATION.
03/17/99: JFO RECEIVED DISPOSAL RECEIPTS FOR CONTAMINATED SOIL. SENT
CLOSURE LETTER. NO FURTHER ACTION REQUIRED. CLOSED

Remark: caller pulling tank, found contamination.

HIST LTANKS:

Spill Number:	9807382	Region of Spill:	9
Spill Date:	09/16/1998 13:00	Reported to Dept:	09/16/98 13:13
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Resource Affected:	On Land		
Spill Cause:	Tank Failure		
Facility Contact:	OWEN BYRNE	Facility Tele:	() -
Investigator:	JFO	SWIS:	04
Caller Name:	Not reported	Caller Agency:	Not reported
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:	MIKE BECHELLI	Spiller Phone:	(716) 373-5525
Spiller:	NYS POLICE/NYSOGS		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NYS POLICE/NYSOGS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103479565

Spiller Address: 722 HOMER STREET
OLEAN, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/17/99
Spill Notifier: Responsible Party PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: 09/18/98
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 07/21/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/16/98
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 09/16/98: JFO NOTE, SPILL ORIGINALLY SENT TO REGION 7, BOB CORCORAN CORRECTED 09/18/98: JFO ON SITE, MET WITH MIKE BICELLI WITH THE STATE TROOPERS. HOLE BACKFILLED AND SAMPLES TAKEN. SOIL STAGED ON PLASTIC. 02/04/99: JFO RECEIVED CLOSURE REPORT WITH REQUEST FOR NO FURTHER ACTION LETTER. REPORT DOESN'T CONTAIN THE DISPOSAL RECEIPTS FOR SOIL. 02/05/99: JFO CALL TO OWEN BYRNE (OGS), NOT IN, LEFT MESSAGE ON MACHINE. 02/08/99: JFO CALL TO JOHN WAECHTER (SUBMITTED REPORT). NOT IN, LEFT MESSAGE ON MACHINE. 02/10/99: JFO CALL TO OWEN BYRNE. HE WILL FORWARD RECEIPTS WHEN HE FINDS THEM. 02/24/99: JFO SENT LETTER TO CONFIRM OUR TELEPHONE CONVERSATION. 03/17/99: JFO RECEIVED DISPOSAL RECEIPTS FOR CONTAMINATED SOIL. SENT CLOSURE LETTER. NO FURTHER ACTION REQUIRED. CLOSED
Spill Cause: caller pulling tank, found contamination.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F20
NW
1/4-1/2
1959 ft.

NYS POLICE WESTERN CRIME LABORATORY
722 HOMER ST
OLEAN, NY 14760

RCRA-SQG
FINDS

1004763079
NYU005001011

Site 4 of 4 in cluster F

Relative:
Higher

RCRAInfo:

Owner: NON REGULATED
(716) 555-1212

Actual:
1428 ft.

EPA ID: NYU005001011

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

G21
East
1/4-1/2
1960 ft.

R G SCOTT
314 PENN AVE
OLEAN, NY 14760

RCRA-SQG
RAATS

1000140752
NYD071468292

Site 1 of 5 in cluster G

Relative:
Higher

RCRAInfo:

Owner: VAN DER HORST CORPORATION OF AMERICA
(716) 372-5200

Actual:
1430 ft.

EPA ID: NYD071468292

Contact: ROBERT BUSH
(716) 372-2946

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/31/1983
Actual Date Achieved Compliance: 01/11/1984

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 11/14/1983
Penalty Type: Final Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/17/1983
Penalty Type: Final Monetary Penalty

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

Evaluation

Area of Violation

Date of
Compliance
19840111

Financial Record Review

GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

NY MANIFEST

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

G22
East
1/4-1/2
1960 ft.

VAN DER HORST CORP OF AMERICA
314 PENN AVENUE
OLEAN, NY 14760

Database(s)
EDR ID Number
EPA ID Number

CERCLIS
RCRA-SQG
FINDS
UST
AST
1000110509
NYD980780928

Relative:
Higher

Site 2 of 5 in cluster G

Actual:
1430 ft.

CERCLIS Classification Data:

Federal Facility: Not a Federal Facility
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup
NPL Status: Not on the NPL
Site Description: VAN DER HORST #1 WAS AN OPERATING PLATING FACILITY UNTIL JULY OF 1987, WHEN STRIKE CLOSED THE PLANT. AFTER A PROBLEM WITH THE SPRINKLER SYSTEM DREW ATTENTION TO THE PLANT IN 1988, NYSDEC CONDUCT A SITE INVESTIGATION WHICH CONFIRMED THAT MANY

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	09/01/1984
Assessment:	PRELIMINARY ASSESSMENT	Completed:	09/01/1984
Assessment:	SITE INSPECTION	Completed:	05/01/1991
Assessment:	REMOVAL	Completed:	04/30/1992
Assessment:	PREPARATION OF COST DOCM PKGE	Completed:	02/14/1995
Assessment:	NON-NPL PRP SEARCH	Completed:	09/28/1995

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

VAN DER HORST #1

RCRAInfo:

Contact: REPORTING SECTION
(518) 457-0532

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM
NEW YORK-FACILITY INFORMATION SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

PBS UST:

PBS Number: 9-224162 CBS Number: Not reported

SPDES Number: Not reported SWIS ID: 0466

Operator: VAN DER HORST CORP OF AMERICA

(716) 372-5200

Emergency Contact: ROBERT BUSH

(716) 372-5200

Total Tanks: 0

Owner: VAN DER HORST CORP OF AMERICA

314 PENN AVE

OLEAN, NY 14760

(716) 372-5200

Owner Type: Not reported

Owner Mark: First Owner

Owner Subtype: Not reported

Mailing Address: VAN DER HORST CORP OF AMERICA

314 PENN AVE

OLEAN, NY 14760

(716) 372-5200

Tank Status: Closed - Removed

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VAN DER HORST CORP OF AMERICA (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000110509

Capacity (gals):	10000	Install Date:	Not reported
Tank Location:	UNDERGROUND	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Id:	101	Pipe Internal:	Not reported
Tank Type:	Steel/carbon steel	Pipe Type:	Not reported
Tank Internal:	Not reported		
Pipe Location:	Not reported		
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	True	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	05/27/1992
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	08/17/1987
Old PBS Number:	Not reported	Expiration Date:	08/17/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
PBS AST:			
PBS Number:	9-224162	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	0466
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Facility Type:	Not reported		
Owner Type:	Not reported		
Owner Sub Type:	Not reported		
Owner:	VAN DER HORST CORP OF AMERICA 314 PENN AVE OLEAN, NY 14760		
Owner Phone:	(716) 372-5200		
Facility Phone:	(716) 372-5200		
Operator:	VAN DER HORST CORP OF AMERICA		
Emergency Name:	ROBERT BUSH		
Emergency Phone:	(716) 372-5200		
Total Tanks:	0		
Total Capacity:	0		
Tank ID:	102		
Capacity (Gal):	500		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VAN DER HORST CORP OF AMERICA (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000110509

Tank External: Not reported
Tank Containment: NONE
Pipe Type: GALVANIZED STEEL
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: NONE
Overfill Protection: Product Level Gauge
Dispenser Method: Gravity
Date Tested: / / Next Test Date: / /
Date Closed: / / Test Method: Not reported
Updated: True Deleted: False
Date Inspected: Not reported Inspector: Not reported
Result of Inspection: Not reported
Mailing Name: VAN DER HORST CORP OF AMERICA
Mailing Address: 314 PENN AVE
OLEAN, NY 14760
Mailing Contact: Not reported
Mailing Telephone: (716) 372-5200
Owner Mark: First Owner Expiration Date: 08/17/1992
Certification Flag: False Certification Date: 08/17/1987
Renew Flag: False Renew Date: 05/27/1992
Lat/Long: Not reported
Dead Letter: True
Facility Screen: Minor data missing
Owner Screen: Minor data missing
Tank Screen: 0
Town or City: OLEAN
Town or City Code: 66
County Code: 04
Region: 9
Fiscal Amount for Registration Fee is Correct: True

G23
East
1/4-1/2
1960 ft.

VAN DER HORS
314 PENN AVENUE
OLEAN, NY 14760

RCRA-SQG 1007204998
NYP000791871

Site 3 of 5 in cluster G

Relative:
Higher

RCRAInfo:
Contact: JACK D HARMON
(908) 321-6789

Actual:
1430 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

G24
East
1/4-1/2
1960 ft.

VAN DER HORST CORPORATION
314 PENN AVENUE
OLEAN, NY 14760

SHWS S101657953
N/A

Site 4 of 5 in cluster G

Relative:
Higher

SHWS:
Region: 9
Classification
Acres: 2

Actual:
1430 ft.

SITE IS PROPERLY CLOSED - REQUIRES CONTINUED MANAGEMENT

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VAN DER HORST CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101657953

Program: HW
Site Code: 56516
Site Description : The site is the former location of chromium plating facility located adjacent to a residential area. It is alleged that spent chromic acid solutions and contaminated waste water were disposed at the site. The facility was operated from the early 1940s to June 1987. A full-scale Remedial Investigation / Feasibility Study was initiated by the NYSDEC in late 1988. EPA completed an emergency removal action in 1991 to mitigate the imminent threat posed by the chemicals stored inside of the building. Phase I and Phase II Remedial Investigations (RI) confirmed contamination in the soils, groundwater and City storm sewers around the site. Contamination was also detected in the sediments of Olean Creek. A Phase III RI was completed in June 1991 to determine the contamination of the building structure. A Record of Decision was signed on March 26, 1992 and called for asbestos removal and building demolition (for off-site disposal); the excavation of contaminated soil and sediment from Olean Creek for off site disposal; the extraction and treatment of contaminated groundwater (if required); and long term monitoring. Contaminated residential soils have been removed and above grade structures demolished. Final residential yard restorations were completed in spring 1995. Remedial construction, to remove contaminated subsurface soils, began in September 1996 and was completed in mid 1997. During this remedial work, a large mass of soil contaminated with very high levels of chromium was identified. This 'monolith' of highly contaminated soil was approximately 4000 cubic yards in size and was located 18 ft. below the ground surface. Remedial construction was initiated in April of 1999 and was completed by October 1999. A total of 31,539 tons of contaminated building and soil has been removed from the site at a cost of approximately \$9,767,837.00. Annual groundwater monitoring is in progress to determine the effectiveness of the remediation and evaluate post remediation groundwater conditions on the site.

Health Problems Assessment : Residential surface soil adjacent to the site showed elevated levels of arsenic, lead and chromium confirming airborne transport of site-related contaminants. Soil removal from and restoration of the residential yards was completed in July 1995. Removal of on-site surface soil and restoration was completed in 1997. The groundwater has been contaminated with chromium, lead and tetrachloroethene. Human exposures via drinking water are not expected because homes in the area are served by public water. The NYSDOH completed a health evaluation of residents within the historic area of air emission deposition and concluded that respiratory health effects from the exposure to the substances emitted could result in chronic effects on the residents. The NYSDOH completed a cancer incidence study of the City of Olean in May 1990 and concluded that overall cancer incidence in the City of Olean did not differ from other comparable areas of NYS between 1976-86. Results of air monitoring during excavation work indicated nothing of public health significance in airborne dust.

Environmental Problems : All contaminated surface soil has been removed, as well as the sub-surface chromium monolith. The site is in long-term O&M and annual sampling has shown chromium levels in groundwater leveling off.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VAN DER HORST CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101657953

HW Extra
Site Code : 56516
HW Code : 905008
Dump : True
Structure : False
Lagoon : False
Landfill : False
Pond : False
Disp Start : 1941
Disp Term : 1952
Lat/Long : 42:05:26:0 / 78:26:15:0
Dell : F
Record Add : 11/18/99
Record Upd : 11/18/99
Updated By : INITIAL
Owner Operator
Site Code : 56516
HW Code : 905008
Own Op : 01
Seq no : 0000000
Sub Type : E
Name : Not reported
Company : VAN DER HORST CORPORATION
Address : 11818 RIDGEVIEW
MESQUITE, TX 75149
Country : United States of America
Site Code : 56516
HW Code : 905008
Own Op : 01
Seq no : 0000001
Sub Type : E
Name : Not reported
Company : RG Scott, Inc.
Address : 11818 Ridgeview
Mesquite, TX 75149
Country : United States of America
Site Code : 56516
HW Code : 905008
Own Op : 01
Seq no : 0000001
Sub Type : NNN
Name : Not reported
Company : RG Scott, Inc.
Address : 11818 Ridgeview
Mesquite, TX 75149
Country : United States of America
Site Code : 56516
HW Code : 905008
Own Op : 03
Seq no : 0000000
Sub Type : NNN
Name : Not reported
Company : VAN DER HORST CORPORATION
Address : ZZ
Country : United States of America
Site Code : 56516
HW Code : 905008

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VAN DER HORST CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101657953

Own Op : 04
Seq no : 0000001
Sub Type : E
Name : Not reported
Company : VAN DER HORST CORPORATION
Address : 314 PENN AVE.
OLEAN, NY 14760
Country : United States of America
Site Code : 56516
HW Code : 905008
Own Op : 04
Seq no : 0000001
Sub Type : NNN
Name : Not reported
Company : Van Der Horst Corporation
Address : 314 Penn Avenue
Olean, NY 14760
Country : United States of America
Material
Site Code : 56516
HW Code : 905008
Waste Name : WASTE CHROMIC ACID
Waste Quan : UNKNOWN
Waste Code : Not reported
Site Code : 56516
HW Code : 905008
Waste Name : CHROMIC ACID CONTAMINATED WASTEWATER
Waste Quan : UNKNOWN
Waste Code : Not reported
Cross Ref
Site Code : 56516
HW Code : 905008
Crossref ID : NYD980780928
Type Code : 05
Xref Type : EPA Site ID
Record Add : 05/10/01
Record Upd : 02/24/05
Updated By : REGTRANS

E25
SSE
1/4-1/2
1971 ft.

UNI-MART #05019
9TH AT WAYNE ST.
OLEAN, NY 14760

UST **U003318489**
N/A

Relative:
Higher

Site 2 of 3 in cluster E

Actual:
1428 ft.

PBS UST:
PBS Number: 9-488844
SPDES Number: Not reported
Operator: UNI-MARTS, INC.
(716) 373-5002
Emergency Contact: CHARLES BOWER
(814) 234-6000
Total Tanks: 3
Owner: UNI-MARTS, INC.
477 EAST BEAVER AVENUE
STATE COLLEGE, PA 16801
(814) 234-6000
Owner Type: Corporate/Commercial
Owner Mark: First Owner

CBS Number: Not reported
SWIS ID: 0466

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNI-MART #05019 (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003318489

Owner Subtype:	Not reported		
Mailing Address:	UNI-MARTS, INC. ATTN: CHARLES BOWER 477 EAST BEAVER AVENUE STATE COLLEGE, PA 16801 (814) 234-6000		
Tank Status:	In Service	Install Date:	10/01/1988
Capacity (gals):	10000	Product Stored:	UNLEADED GASOLINE
Tank Location:	UNDERGROUND	Pipe Internal:	FIBERGLASS LINER [FRP]
Tank Id:	1	Pipe Type:	FIBERGLASS [FRP]
Tank Type:	Steel/carbon steel		
Tank Internal:	NONE		
Pipe Location:	Underground		
Tank External:	SACRIFICIAL ANODE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	FIBERGLASS/NONE		
Second Containment:	DOUBLED-WALLED TANK/NONE		
Leak Detection:	GROUNDWATER WELL/IN-TANK SYSTEM		
Overfill Prot:	Product Level Gauge, Automatic Shut-Off	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	30000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/30/1999
Old PBS Number:	Not reported	Expiration Date:	06/23/2004
Inspected Date:	09/16/1996	Inspector:	BAJ
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
PBS Number:	9-488844	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	0466
Operator:	UNI-MARTS, INC. (716) 373-5002		
Emergency Contact:	CHARLES BOWER (814) 234-6000		
Total Tanks:	3		
Owner:	UNI-MARTS, INC. 477 EAST BEAVER AVENUE STATE COLLEGE, PA 16801 (814) 234-6000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	UNI-MARTS, INC. ATTN: CHARLES BOWER 477 EAST BEAVER AVENUE STATE COLLEGE, PA 16801 (814) 234-6000		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNI-MART #05019 (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003318489

Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	2	Install Date:	10/01/1988
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground	Pipe Type:	FIBERGLASS [FRP]
Tank External:	SACRIFICIAL ANODE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	FIBERGLASS/NONE		
Second Containment:	DOUBLED-WALLED TANK/NONE		
Leak Detection:	GROUNDWATER WELL/IN-TANK SYSTEM		
Overfill Prot:	Product Level Gauge, Automatic Shut-Off	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	30000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/30/1999
Old PBS Number:	Not reported	Expiration Date:	06/23/2004
Inspected Date:	09/16/1996	Inspector:	BAJ
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
PBS Number:	9-488844	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	0466
Operator:	UNI-MARTS, INC. (716) 373-5002		
Emergency Contact:	CHARLES BOWER (814) 234-6000		
Total Tanks:	3		
Owner:	UNI-MARTS, INC. 477 EAST BEAVER AVENUE STATE COLLEGE, PA 16801 (814) 234-6000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	UNI-MARTS, INC. ATTN: CHARLES BOWER 477 EAST BEAVER AVENUE STATE COLLEGE, PA 16801 (814) 234-6000		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	3	Install Date:	10/01/1988
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	FIBERGLASS LINER [FRP]

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNI-MART #05019 (Continued)

U003318489

Pipe Location:	Underground	Pipe Type:	FIBERGLASS [FRP]
Tank External:	SACRIFICIAL ANODE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	FIBERGLASS/NONE		
Second Containment:	DOUBLED-WALLED TANK/NONE		
Leak Detection:	GROUNDWATER WELL/IN-TANK SYSTEM		
Overfill Prot:	Product Level Gauge, Automatic Shut-Off	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	30000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/30/1999
Old PBS Number:	Not reported	Expiration Date:	06/23/2004
Inspected Date:	09/16/1996	Inspector:	BAJ
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		

E26
SSE
1/4-1/2
1971 ft.

UNI-MARTS INC
9TH AT WAYNE STS
OLEAN, NY 14760

RCRA-SQG 1004759883
FINDS NYR000024414

Site 3 of 3 in cluster E

Relative:
Higher

RCRAInfo:

Owner: UNI-MARTS INC
(800) 494-1500
EPA ID: NYR000024414
Contact: GARY LEARN
(814) 234-6000

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

G27
East
1/4-1/2
1986 ft.

MCKEAN MACHINERY SALES, INC.
921 N.4TH ST.
OLEAN, NY 14760

UST U003318195
LTANKS N/A
HIST LTANKS

Site 5 of 5 in cluster G

Relative:
Higher

LTANKS:

Spill Number:	9610968	Region of Spill:	9
Facility ID :	9610968	DER Facility ID :	152862
Site ID :	182426	CID :	31

Actual:
1430 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MCKEAN MACHINERY SALES, INC. (Continued)

U003318195

Spill Date:	12/05/96	Reported to Dept:	12/05/96
Referred To :	Not reported	DEC Region :	9
Water Affected:	Not reported	Spill Source:	COMMERCIAL/INDUSTRIAL
Spill Cause:	TANK FAILURE		
Facility Address 2:	Not reported	Facility Tele:	(716) 372-7733
Investigator:	PRINGLE	SWIS:	0566
Caller Name:	KEVIN GLASER	Caller Agency:	NYSDEC
Caller Phone:	(716) 373-4319	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:	DAN FOWLER		
Spiller Company :	MCKEAN MACHINE		
Spiller Address:	921 NORTH FOURTH STREET		
	OLEAN, NY		
Spiller County :	001		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Spill Closed Dt: 02/12/98

Spill Notifier: DEC
Cleanup Ceased: / /
Last Inspection: 02/26/97
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Spill Record Last Update: 09/08/98
Date Spill Entered In Computer Data File: 12/05/96
Remediation Phase : 0
Program Number : 9610968
Material
Material ID : 343182
Site ID : 182426
Operable Unit : 01
Operable Unit ID : 1038871
Material Code : 0001
Material Name : #2 Fuel Oil
Case No. : Not reported
Material FA : Petroleum
Quantity : Not reported
Units : G

Recovered :	Not reported
Resource Affected - Soil :	No
Resource Affected - Air :	No
Resource Affected - Indoor Air :	No
Resource Affected - Groundwater :	Yes
Resource Affected - Surface Water :	No
Resource Affected - Drinking Wtr :	No
Resource Affected - Sewer :	No
Resource Affected - Impervious Surface :	No
Resource Affected - Subway :	No
Resource Affected - Utility :	No
Resource Affected - Impervious Surface :	No
Oxygenate :	False

Tank Test

Spill Tank Test :	Not reported
Site ID :	Not reported
Tank Number :	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MCKEAN MACHINERY SALES, INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003318195

Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported
DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "MNP"
12/05/96: MNP INSP. MET W/ DAN FOWLER - MCKEAN MACHINE & KEVIN GLASER -
DEC. MANHOLE OF ABANDONED FUEL OIL TANK EXPOSED. TANK FULL OF WATER W/
LAYER OF OIL. NO INFORMATION AVAIL
ABLE ABOUT TANK. I TOLD FOWLER THAT TANK MUST BE EMPTIED ASAP TO
PREVENT OVERFLOW OF OIL WHEN IT RAINS. TANK MUST BE REMOVED W/IN 30
DAYS. ANY CONTAMINATED SOIL MUST BE STAGED FOR DISPOSAL OR TREATMENT.
LETTER TO BE SENT. 01/16/97: MNP TELECON W
/ DAN FOWLER - MCKEAN MACHINE. HE SPOKE W/ GARY WILLIAMS - WORK &
SILVAS. THEY PLAN TO CLOSE TANK IN PLACE. I ADVISED FOWLER THAT SAMPLING
NEXT TO TANK MUST BE DONE PRIOR TO TANK CLOSURE. IF SAMPLE RESULTS ARE
OK, THEN TANK CLEANING & CLOSURE CAN BE
GIN. LETTER ALREADY SENT. 01/22/97: MNP INSP. MET W/ DAN FOWLER -
MCKEAN MACHINE & GARY WILLIAMS - WORK & SILVAS. W&S EXCAVATED NEXT TO
8' DIAM X 10' LENGTH VERTICAL TANK. BLACK OILY STAINED SOIL FOUND AT
BOTTOM OF TANK. I REQUESTED TANK REMOVAL
TO COMPLETELY EXCAVATE THE CONTAMINATED SOIL. FOWLER AGREED TO DO WORK &
WILLIAMS WILL SCHEDULE WORK. WE DISCUSSED SAMPLING & DISPOSAL
REQUIREMENTS. TO SEND CLEANUP LETTER. NOTE: CHECK W/ KEVIN GLASER &
SW ABOUT ANY ADDITIONAL ANALYSES RECOMMENDE
D. 02/26/97: MNP INSP. W&S ON SITE EXCAVATING SOIL AROUND TANK SO IT
CAN BE REMOVED, CONTAMINATED SOIL ENCOUNTERED AT BOTTOM OF TANK & SOUTH
SIDE OF EXCAVATION WHERE IT WAS PUT DURING TEST PIT DIG. I LEFT SITE TO
CHECK AGAIN LATER. 02/26/97: M
NP INSP. W&S STILL EXCAVATING CONTAMINATED SOIL. 6 DRUMS OF OIL & SLUDGE
REMOVED FROM THE TANK BOTTOM, STILL 18" OF SLUDGE REMAIN IN TANK. AFTER
TANK WAS REMOVED W&S EXCAVATED DOWN 17 FT., BUT CONTAMINATED SOIL
REMAINED. UNABLE TO CONTINUE DIGGING BE
CAUSE OF ADJCENT BUILDING FOUNDATION & GRAVEL SIDES CAVING IN. GW
BELIEVED TO BE AT APPROX.18-19 FT. SOIL SAMPLES COLLECTED FOR EPA 8021 &
8270 ANALYSIS, AS WELL AS DOH 310-13. ADDITIONAL REMEDIATION NEEDED.
RECOMEND INSTALLATION OF MW'S, BUT WILL W
AIT FOR SAMPLE RESULTS BEFORE PROCEEDING. 02/04/98: MNP & RNL
DISCUSSION. SITE IS LOCATED ON FORMER OIL REFINERY. HISTORICAL SPILLAGE
WELL KNOWN IN NORTERN OLEAN. NO FURTHER CLEANUP WARRANTED. I WILL CHECK
FILE FOR DOCUMENTATION & SPEAK W/ KEVIN
GLASER. 02/12/98: MNP DISCUSSION W/ KEVIN GLASER - HWR. THEY FOUND
OLD OIL CONTAMINATED SOIL FROM 12-15' DOWN ALL OVER THE SITE. THIS IS
TYPICAL FOR NORTH OLEAN DUE TO THE OIL REFINERIES THAT WERE THERE. THIS
HISTORICAL SPILLAGE WILL NOT REQUIR
E CLEANUP. NO FURTHER WORK REQUIRED. SITE CAN BE CLOSED AS INACTIVE.
09/08/98: RNL REVIEW, NO INACTIVE LETTER, RNL SENT 09/10/98, CLOSEOUT
REMARK:
DISCOVERED ABANDONED FUEL OIL UST FULL OF WATER SPILL FAXED FROM
REGION 9

HIST LTANKS:
Spill Number: 9610968
Spill Date: 12/05/1996 07:00
Water Affected: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Failure
Region of Spill: 9
Reported to Dept: 12/05/96 09:40
Spill Source: Other Commercial/Industrial

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

MCKEAN MACHINERY SALES, INC. (Continued)

U003318195

Facility Contact:	DAN FOWLER	Facility Tele:	(716) 372-7733
Investigator:	MNP	SWIS:	04
Caller Name:	Not reported	Caller Agency:	Not reported
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:	MCKEAN MACHINE		
Spiller Address:	921 NORTH FOURTH STREET OLEAN, NY		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	02/12/98		
Spill Notifier:	DEC	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	02/26/97		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		
Investigation Complete:	/ /		
UST Involvement:	False		
Spill Record Last Update:	09/08/98		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		
Date Spill Entered In Computer Data File:	12/05/96		
Date Region Sent Summary to Central Office:	/ /		
Tank Test:			
PBS Number:	Not reported		
Tank Number:	Not reported		
Test Method:	Not reported		
Capacity of Failed Tank:	Not reported		
Leak Rate Failed Tank:	Not reported		
Gross Leak Rate:	Not reported		
Material:			
Material Class Type:	1		
Quantity Spilled:	0		
Units:	Gallons		
Unknown Qty Spilled:	No		
Quantity Recovered:	0		
Unknown Qty Recovered:	True		
Material:	#2 FUEL OIL		
Class Type:	Petroleum		
Chem Abstract Service Number:	#2 FUEL OIL		
Last Date:	12/07/1994		
Num Times Material Entry In File:	24464		
Spill Cause:	DISCOVERED ABANDONED FUEL OIL UST FULL OF WATER SPILL FAXED FROM REGION 9		

[Click this hyperlink](#) while viewing on your computer to access
additional HIST LTANKS detail in the EDR Site Report.

PBS UST:

PBS Number:	9-439843	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	0466
Operator:	MCKEAN MACHINERY SALES, INC. (716) 372-7733		
Emergency Contact:	DAN FOWLER		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MCKEAN MACHINERY SALES, INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003318195

Total Tanks:	(716) 372-8543 0		
Owner:	ARTHUR ROSEN 921 N. 4TH ST. OLEAN, NY 14760 (716) 372-7733		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ARTHUR ROSEN 921 N. 4TH ST. OLEAN, NY 14760 (716) 372-7733		
Tank Status:	Closed - Removed		
Capacity (gals):	8000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	01/01/1973
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	Product Level Gauge, None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	05/01/1990	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	06/28/1988
Old PBS Number:	Not reported	Expiration Date:	06/28/1993
Inspected Date:	10/04/1989	Inspector:	SIBBL
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER RETAIL SALES		
Town or City:	OLEAN		
Town or City Code:	66		
County Code:	04		
Region:	9		
PBS Number:	9-439843	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	0466
Operator:	MCKEAN MACHINERY SALES, INC. (716) 372-7733		
Emergency Contact:	DAN FOWLER (716) 372-8543		
Total Tanks:	0		
Owner:	ARTHUR ROSEN 921 N. 4TH ST. OLEAN, NY 14760 (716) 372-7733		
Owner Type:	Corporate/Commercial		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MCKEAN MACHINERY SALES, INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003318195

Owner Mark:	First Owner	
Owner Subtype:	Not reported	
Mailing Address:	ARTHUR ROSEN	
	921 N. 4TH ST.	
	OLEAN, NY 14760	
	(716) 372-7733	
Tank Status:	Closed - Removed	
Capacity (gals):	1000	
Tank Location:	UNDERGROUND	
Tank Id:	002	Install Date: 01/01/1973
Tank Type:	Steel/carbon steel	Product Stored: LEADED GASOLINE
Tank Internal:	NONE	Pipe Internal: NONE
Pipe Location:	Underground	Pipe Type: STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING/NONE	
Missing Data for Tank:	No Missing Data	
Pipe External:	PAINTED/ASPHALT COATING/NONE	
Second Containment:	NONE/NONE	
Leak Detection:	NONE/NONE	
Overfill Prot:	Product Level Gauge, None	Dispenser: Suction
Date Tested:	Not reported	Next Test Date: Not reported
Date Closed:	05/01/1990	Test Method: Not reported
Deleted:	False	Updated: True
Dead Letter:	False	Owner Screen: Minor data missing
FAMT:	Fiscal amount for registration fee is correct	
Total Capacity:	0	Renewal Date: Not reported
Tank Screen:	0	Federal ID: Not reported
Renew Flag:	Renwal has not been printed	Facility Screen: No data missing
Certification Flag:	False	Certification Date: 06/28/1988
Old PBS Number:	Not reported	Expiration Date: 06/28/1993
Inspected Date:	10/04/1989	Inspector: SIBBL
Inspection Result:	Not reported	
Lat/long:	Not reported	
Facility Type:	OTHER RETAIL SALES	
Town or City:	OLEAN	
Town or City Code:	66	
County Code:	04	
Region:	9	

28
WSW
1/4-1/2
2017 ft.

BELL ATLANTIC GARAGE
1480 BUFFALO STREET
OLEAN, NY

LTANKS **S103239058**
HIST LTANKS **N/A**

Relative:
Lower

LTANKS:

Actual:
1421 ft.

Spill Number:	9800611	Region of Spill:	9
Facility ID :	9800611	DER Facility ID :	265699
Site ID :	330310	CID :	31
Spill Date:	04/14/98	Reported to Dept:	04/14/98
Referred To :	Not reported	DEC Region :	9
Water Affected:	Not reported	Spill Source:	TANK TRUCK
Spill Cause:	TANK OVERFILL		
Facility Address 2:	Not reported	Facility Tele:	(814) 726-1483
Investigator:	JFOTTO	SWIS:	0566
Caller Name:	JOHN QUATRALE	Caller Agency:	BELL ATLANTIC
Caller Phone:	(212) 338-7141	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:	JERRY WHITE		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

BELL ATLANTIC GARAGE (Continued)

S103239058

Spiller Company : CROSSETT FUEL OIL
Spiller Address: ZZ
Spiller County : 001
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.

Spill Closed Dt: 08/05/98

Spill Notifier: AFFECTED PERSONS
Cleanup Ceased: / /
Last Inspection: 04/14/98
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Spill Record Last Update: 02/20/02
Date Spill Entered In Computer Data File: 04/14/98
Remediation Phase : 0
Program Number : 9800611

Material

Material ID : 322566
Site ID : 330310
Operable Unit : 01
Operable Unit ID : 1057959
Material Code : 0009
Material Name : Gasoline
Case No. : Not reported
Material FA : Petroleum
Quantity : Not reported
Units : G
Recovered : Not reported
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
Resource Affected - Surface Water : No
Resource Affected - Drinking Wtr : No
Resource Affected - Sewer : No
Resource Affected - Impervious Surface : No
Resource Affected - Subway : No
Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False

Tank Test

Spill Tank Test : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "JFO
MNP" 04/14/98 MNP AND RNL SITE VISIT. EP&S HIRED TO CLEANUP SPILL,
FOUND GASOLINE IN STORM SEWER, PLACED PADS IN STORM CATCH BASINS, COULD
NOT FIND STROM SEWER OUTLET, DETER
MINED CROSSETT HA DNOT STUCK TANK BEFORE FILLING, ALSO, HIGH LEVEL ALARM
NOT WORKING, THEY WILL CORRECT, MNP LEFT SITE DURING EP&S ONGOING

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BELL ATLANTIC GARAGE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103239058

CLEANUP 07/27/98 JFO RECEIVED DISPOSAL RECEIPTS. NO FURTHER ACTION REQUIRED, CLOSED

Remark: Not reported

HIST LTANKS:

Spill Number: 9800611 Region of Spill: 9
Spill Date: 04/14/1998 21:00 Reported to Dept: 04/14/98 22:52
Water Affected: Not reported Spill Source: Tank Truck
Resource Affected: On Land
Spill Cause: Tank Overfill
Facility Contact: JERRY WHITE Facility Tele: (814) 726-1483
Investigator: JFO MNP SWIS: 04
Caller Name: Not reported Caller Agency: Not reported
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: CROSSETT FUEL OIL
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/05/98
Spill Notifier: Affected Persons PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: 04/14/98
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/26/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/14/98
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 25
Units: Gallons
Unknown Qty Spilled: 25
Quantity Recovered: 25
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 04/14/98 MNP AND RNL SITE VISIT. EP S HIRED TO CLEANUP SPILL, FOUND GASOLINE IN STORM SEWER, PLACED PADS IN STORM CATCH BASINS, COULD NOT FIND STORM SEWER OUTLET, DETERMINED CROSSETT HAD NOT STUCK TANK BEFORE FILLING

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BELL ATLANTIC GARAGE (Continued)

S103239058

G, ALSO, HIGH LEVEL ALARM NOT WORKING, THEY WILL CORRECT, MNP LEFT SITE
DURING EP S ONGOING CLEANUP 07/27/98 JFO RECEIVED DISPOSAL RECEIPTS. N
O FURTHER ACTION REQUIRED, CLOSED

Spill Cause: Not reported

D29
NNE
1/4-1/2
2053 ft.

LOCTITE CORPORATION
211 FRANKLIN STREET
OLEAN, NY 14760

FINDS **1000400702**
RCRA-LQG **14760HYSLL21**
TRIS
CORRACTS

Relative:
Higher

Site 3 of 3 in cluster D

CORRACTS Data:

Actual:
1430 ft.

EPA Id: NYD042569079
Region: 02
Area Name: SITEWIDE
Actual Date: 02/02/1994
Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective
action priority
2002 NAICS Title: Custom Compounding of Purchased Resins
Adhesive Manufacturing
Paint and Coating Manufacturing
Plastics Material and Resin Manufacturing

EPA Id: NYD042569079
Region: 02
Area Name: SITEWIDE
Actual Date: 07/19/1994
Corrective Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
Custom Compounding of Purchased Resins
Adhesive Manufacturing
Paint and Coating Manufacturing
Plastics Material and Resin Manufacturing

EPA Id: NYD042569079
Region: 02
Area Name: SITEWIDE
Actual Date: 09/08/1993
Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective
action priority
2002 NAICS Title: Custom Compounding of Purchased Resins
Adhesive Manufacturing
Paint and Coating Manufacturing
Plastics Material and Resin Manufacturing

EPA Id: NYD042569079
Region: 02
Area Name: SITEWIDE
Actual Date: 09/22/1992
Corrective Action: CA050 - RFA Completed
2002 NAICS Title: Custom Compounding of Purchased Resins
Adhesive Manufacturing
Paint and Coating Manufacturing
Plastics Material and Resin Manufacturing

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LOCTITE CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000400702

RCRAInfo Corrective Action Summary:

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;
Event Date: 07/19/1994

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date: 02/02/1994

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date: 09/08/1993

Event: RFA Completed
Event Date: 09/22/1992

RCRAInfo:

Owner: 8
(716) 372-6300
EPA ID: NYD042569079
Contact: JAMES P HORNBURG
(716) 372-6300

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	95629.00	D002	628.00
D006	2952.00	D035	9211.00
F002	628.00	F003	106129.00
F005	66877.00	U069	211.00
U154	2251.00		

Violation Status: Violations exist

Regulation Violated: 372.2(a)(8)(i)(a);374-3.2(e)(I
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 07/17/2001
Actual Date Achieved Compliance: 07/17/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/19/2001
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/26/1999
Actual Date Achieved Compliance: 09/30/1999

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/30/1999
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 07/24/1990
Actual Date Achieved Compliance: 04/22/1991

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 03/13/1991
Penalty Type: Final Monetary Penalty

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LOCTITE CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000400702

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/24/1990
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 06/20/1988
Actual Date Achieved Compliance: 09/02/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/20/1988
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/16/1985
Actual Date Achieved Compliance: 02/20/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/15/1986
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/07/1985
Actual Date Achieved Compliance: 02/13/1985

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/07/1985
Penalty Type: Not reported

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	3/13/1991	6000	STATE

There are 6 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	20010717
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19990930
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910422
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19880902
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19860220
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850213

NY MANIFEST

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
NATIONAL COMPLIANCE DATABASE SYSTEM
NATIONAL ENVIRONMENTAL PERFORMANCE TRACK
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

30
South
1/4-1/2
2374 ft.

PROPOSED HAMPTON INN SITE
1128 BUFFALO STREET
OLEAN, NY

LTANKS
HIST LTANKS

S102245550
N/A

Relative:
Higher

LTANKS:

Actual:
1436 ft.

Spill Number: 9604257
Facility ID : 9604257
Site ID : 300487
Spill Date: 06/28/96
Referred To : Not reported
Water Affected: Not reported
Spill Cause: TANK FAILURE
Facility Address 2: Not reported
Investigator: FXGALLEG
Caller Name: MAXIM TECHNOLOGIES
Caller Phone: () 649-8110
Notifier Name: Not reported
Notifier Phone: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Company : URBAN RENEWAL AGENCY
Spiller Address: MUNICIPAL BLDG
OLEAN, NY 14760
Spiller County : 001
Spill Class: Known release that creates potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.

Region of Spill: 9
DER Facility ID : 243044
CID : 31
Reported to Dept: 06/28/96
DEC Region : 9
Spill Source: COMMERCIAL/INDUSTRIAL

Facility Tele: Not reported
SWIS: 0566
Caller Agency: CONSULTATNT
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

Spill Closed Dt: 06/28/96
Spill Notifier: OTHER
Cleanup Ceased: 06/28/96
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Spill Record Last Update: 10/08/99
Date Spill Entered In Computer Data File: 06/28/96
Remediation Phase : 0
Program Number : 9604257
Material
Material ID : 350545
Site ID : 300487
Operable Unit : 01
Operable Unit ID : 1031904
Material Code : 0066A
Material Name : UNKNOWN PETROLEUM
Case No. : Not reported
Material FA : Petroleum
Quantity : Not reported
Units : G
Recovered : Not reported
Resource Affected - Soil : No
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : Yes
Resource Affected - Surface Water : No
Resource Affected - Drinking Wtr : No
Resource Affected - Sewer : No
Resource Affected - Impervious Surface : No
Resource Affected - Subway : No

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PROPOSED HAMPTON INN SITE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102245550

Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False

Tank Test

Spill Tank Test : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "FG"
6/28/96 THIS SPILL IS A DUPLICATE OF SPILL #9515882. SEE THAT SPILL FOR
ALL INFORMATION. THIS SPILL, #9604257, IS CLOSED.

Remark: SITE ASSESSMENT COMPLETED BY MAXIM IDENTIFIED TWO BORINGS WITH SHEEN AND
PETROLEUM ODOR AT A 24 FOOT DEPTH

HIST LTANKS:

Spill Number: 9604257 Region of Spill: 9
Spill Date: 06/01/1996 12:00 Reported to Dept: 06/28/96 12:00
Water Affected: Not reported Spill Source: Other Commercial/Industrial

Resource Affected: Groundwater

Spill Cause: Tank Failure

Facility Contact: Not reported

Investigator: FG

Caller Name: Not reported

Caller Phone: Not reported

Notifier Name: Not reported

Notifier Phone: Not reported

Spiller Contact: Not reported

Spiller: URBAN RENEWAL AGENCY

Spiller Address: MUNICIPAL BLDG
OLEAN, NY 14760

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

Spill Closed Dt: 06/28/96

Spill Notifier: Other

PBS Number: Not reported

Cleanup Ceased: 06/28/96

Last Inspection: / /

Cleanup Meets Standard: True

Recommended Penalty: Penalty Not Recommended

Spiller Cleanup Date: / /

Enforcement Date: / /

Investigation Complete: / /

UST Involvement: False

Spill Record Last Update: 10/08/99

Is Updated: False

Corrective Action Plan Submitted: / /

Date Spill Entered In Computer Data File: 06/28/96

Date Region Sent Summary to Central Office: / /

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PROPOSED HAMPTON INN SITE (Continued)

S102245550

Leak Rate Failed Tank: Not reported

Gross Leak Rate: Not reported

Material:

Material Class Type: 1

Quantity Spilled: 0

Units: Gallons

Unknown Qty Spilled: No

Quantity Recovered: 0

Unknown Qty Recovered: True

Material: UNKNOWN PETROLEUM

Class Type: Petroleum

Chem Abstract Service Number: UNKNOWN PETROLEUM

Last Date: 09/29/1994

Num Times Material Entry In File: 16414

DEC Remarks: 6/28/96 THIS SPILL IS A DUPLICATE OF SPILL 9515882. SEE THAT SPILL FOR ALL INFORMATION. THIS SPILL, 9604257, IS CLOSED.

Spill Cause: SITE ASSESSMENT COMPLETED BY MAXIM IDENTIFIED TWO BORINGS WITH SHEEN AND PETROLEUM ODOR AT A 24 FOOT DEPTH

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OLEAN	1000447228	MEYER BARNARD CHEV GEO INC	RTE 16N	14760	RCRA-SQG, FINDS
OLEAN	1000191694	NYSDOT	RTE 17 VARIOUS LOCATIONS	14760	RCRA-SQG, FINDS
OLEAN	1000553040	NYSDOT	RTE 17 OVER OLEAN CRK	14760	RCRA-SQG, FINDS
OLEAN	1004762235	NYSDOT BIN 1092061&2	RTE 17 OVER JOHNSON ST	14760	RCRA-SQG, FINDS
OLEAN	S103557927	LEAKING TRUCK ON ROUTE 16	ROUTE 17	14760	LTANKS, HIST LTANKS
OLEAN	S102132459	OIL IN CREEK	ROUTE 29 / STATE LINE	14760	NY Spills, NY Hist Spills
OLEAN	S104653836	OIL IN POND IN FORNESS PK	ROUTE 417	14760	NY Spills, NY Hist Spills
OLEAN	S103562591	CATTARAUGUS COUNTY DEV.	ROUTE 417	14760	NY Spills, NY Hist Spills
OLEAN	1004762234	NYSDOT BIN 1092040	N 7TH ST OVER RTE 17	14760	RCRA-SQG, FINDS
OLEAN	S103572072	OIL IN GRAVEL PIT WATER	BACK HINSDALE ROAD	14760	NY Spills, NY Hist Spills
OLEAN	S104282995	CRUDE OIL WELL	BARNUM ROAD	14760	NY Spills, NY Hist Spills
OLEAN	S106468041	CONRAIL	BUFFALO STREET	14760	NY Spills, NY Hist Spills
OLEAN	S105912694	LEE'S SEPTIC SERVICE	DIRT ROAD	14760	SWF/LF
OLEAN	S107488998	ANTIFREEZE SPILL	EXIT 25 ROUTE 17	14760	NY Spills
OLEAN	S103562556	HASTING ROAD BRIDGE	HASTING ROAD / RTE 17	14760	NY Spills, NY Hist Spills
OLEAN	S106967706	FORMER SOCONY VACUUM	JOHNSON ST	14760	NY Spills
OLEAN	S105586480	VAN DER HORST PLANT NO. 2	JOHNSON ROAD	14760	SHWS
OLEAN	S105586253	OLEAN WELL FIELD; TCE CONTAMINATIO	MULTIPLE SITES	14760	SHWS
OLEAN	1007111861	C G S T - HEBRON MEASURING STATION	NYS RTE 16 N 1 MI N OF OLEAN	14760	RCRA-SQG
OLEAN	S105235953	FORMER HONDA DEALER	OLEAN PORTVILLE ROAD	14760	NY Spills, NY Hist Spills
OLEAN	S107416550	CRUDE OIL LEAK	OREGON ROAD	14760	LTANKS
OLEAN	S103482422	JOHN WISE OIL LEASE	OREGON ROAD	14760	NY Spills, NY Hist Spills
OLEAN	S102134610	OIL WELL-OLEAN	OREGON ROAD	14760	NY Spills, NY Hist Spills
OLEAN	1000553042	NYSDOT	RAMP J OVER RTE 17	14760	RCRA-SQG, FINDS
OLEAN	S102245084	NYSEG - CRUDE OIL LINE	RIVER ROAD	14760	NY Spills, NY Hist Spills
OLEAN	S103568985	NYSEG CRUDE OIL #2	RIVERSIDE DR NEAR RT 16	14760	NY Spills, NY Hist Spills
OLEAN	1000990464	NYSDOT D256580 BIN 1092071	WB RTE 17 BRIDGE OVER	14760	RCRA-SQG, FINDS
OLEAN	1000990465	NYSDOT D256580 BIN 1092072	EB RTE 17 BRIDGE OVER	14760	RCRA-SQG, FINDS
OLEAN	1000990466	NYSDOT D256580 BIN 1092081	WB RTE 17 BRIDGE OVER OLEAN	14760	RCRA-SQG, FINDS
OLEAN	1000990467	NYSDOT D256580 BIN 1092082	EB RTE 17 BRIDGE OVER OLEAN	14760	RCRA-SQG, FINDS
OLEAN	S102133229	CAMPBELL OIL CO	EAST STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	S102133228	CAMPBELL OIL	EAST STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	1000872183	OLEAN STEEL SALES & SERVICE	E STATE ST 1/10 MI E OF DUGAN	14760	CERCLIS, RCRA-SQG, FINDS
OLEAN	S102132336	BRADNER STATIUM	EAST STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	S102134060	OLEAN STEEL SALES	EAST STATE ROAD	14760	NY Spills, NY Hist Spills
OLEAN	S102134352	TERRY'S AUTOMOTIVE	STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	S102245629	COLUMBIA GAS TRANSMISSION	EAST STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	S103484126	ROUTE 17	STATE 17 EXIT 27	14760	NY Spills, NY Hist Spills
OLEAN	S103562175	ROUNDS GARAGE	EAST STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	S103562767	NIAGARA MOHAWK POLE	WEST STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	S103562957	NYSDEC - OLEAN	STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	S103936344	GREAT WALL CHINESE REST.	WEST STATE STREET	14760	NY Spills, NY Hist Spills
OLEAN	S106698746	ON THE ROADWAY	WEST STATE ST.	14760	NY Spills

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OLEAN	S102134142	OIL DUMPING - STORM SEWER	TOMPKINS STREET	14760	NY Spills, NY Hist Spills
OLEAN	S104653867	CRUDE OIL LEAK - PIPELINE	TWO MILE ROAD	14760	NY Spills, NY Hist Spills
OLEAN	S102132176	OIL IN PIPE OUTFALL	SOUTH UNION STREET	14760	NY Spills, NY Hist Spills

EPA Waste Codes Addendum

Code	Description
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
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER
D018	BENZENE
D022	CHLOROFORM
D035	METHYL ETHYL KETONE
D040	TRICHLOROETHYLENE
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

EPA Waste Codes Addendum

Code	Description
	ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
U069	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER
U069	DIBUTYL PHTHALATE
U153	METHANETHIOL (I, T)
U153	THIOMETHANOL (I,T)
U154	METHANOL (I)
U154	METHYL ALCOHOL (I)
U158	BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-
U158	4,4'-METHYLENEBIS(2-CHLOROANILINE)
U223	BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
U223	TOLUENE DIISOCYANATE (R,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.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

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) and regional EPA offices.

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 01/31/06
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/01/06
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 01/31/06
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/01/06
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

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.

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 01/31/06
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/01/06
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 11/21/05
Next Scheduled EDR Contact: 02/20/06
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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: 10/24/05
Date Data Arrived at EDR: 12/21/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 40

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 12/21/05
Next Scheduled EDR Contact: 03/20/06
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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.

Date of Government Version: 10/24/05
Date Data Arrived at EDR: 12/21/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 40

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 12/21/05
Next Scheduled EDR Contact: 03/20/06
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 10/13/05
Date Data Arrived at EDR: 10/27/05
Date Made Active in Reports: 12/07/05
Number of Days to Update: 41

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/06/05
Next Scheduled EDR Contact: 03/06/06
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/15/05
Date Data Arrived at EDR: 12/28/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 33

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/28/05
Next Scheduled EDR Contact: 02/27/06
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 01/27/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 01/12/06
Next Scheduled EDR Contact: 04/24/06
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 08/17/05
Date Data Arrived at EDR: 10/18/05
Date Made Active in Reports: 12/07/05
Number of Days to Update: 50

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/16/06
Next Scheduled EDR Contact: 04/17/06
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05
Date Data Arrived at EDR: 08/12/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 01/24/06
Next Scheduled EDR Contact: 04/03/06
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 04/06/05
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 01/20/06
Next Scheduled EDR Contact: 04/03/06
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 02/08/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/06/06
Next Scheduled EDR Contact: 05/08/06
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 06/29/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 40

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 01/19/06
Next Scheduled EDR Contact: 04/03/06
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 11/29/05
Date Data Arrived at EDR: 12/05/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 11/30/05
Next Scheduled EDR Contact: 03/13/06
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

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: 12/14/04
Date Data Arrived at EDR: 02/15/05
Date Made Active in Reports: 04/25/05
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/26/06
Next Scheduled EDR Contact: 04/24/06
Data Release Frequency: Varies

ROD: Records Of Decision

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: 10/07/05
Date Data Arrived at EDR: 10/20/05
Date Made Active in Reports: 12/07/05
Number of Days to Update: 48

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/04/06
Next Scheduled EDR Contact: 04/03/06
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/05
Date Data Arrived at EDR: 11/28/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 10/28/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Date Data Arrived at EDR: 08/09/04
Date Made Active in Reports: 09/17/04
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/04
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

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: 12/31/03
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/21/05
Next Scheduled EDR Contact: 03/20/06
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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.

Date of Government Version: 12/31/02
Date Data Arrived at EDR: 04/27/04
Date Made Active in Reports: 05/21/04
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 01/30/06
Next Scheduled EDR Contact: 04/17/06
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/12/05
Date Data Arrived at EDR: 10/31/05
Date Made Active in Reports: 12/20/05
Number of Days to Update: 50

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 12/20/05
Next Scheduled EDR Contact: 03/20/06
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 10/12/05
Date Data Arrived at EDR: 10/31/05
Date Made Active in Reports: 12/20/05
Number of Days to Update: 50

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 12/20/05
Next Scheduled EDR Contact: 03/20/06
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 01/03/05
Date Made Active in Reports: 01/25/05
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/16/06
Next Scheduled EDR Contact: 04/17/06
Data Release Frequency: Annually

PADS: PCB Activity Database System

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: 08/30/05
Date Data Arrived at EDR: 09/13/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 44

Source: EPA
Telephone: 202-564-3887
Last EDR Contact: 12/29/05
Next Scheduled EDR Contact: 02/06/06
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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: 10/18/05
Date Data Arrived at EDR: 10/31/05
Date Made Active in Reports: 12/20/05
Number of Days to Update: 50

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/03/06
Next Scheduled EDR Contact: 04/03/06
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/08/05
Date Data Arrived at EDR: 12/27/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 34

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/27/05
Next Scheduled EDR Contact: 03/27/06
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

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: 09/29/05
Date Data Arrived at EDR: 10/04/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 41

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/06
Next Scheduled EDR Contact: 04/03/06
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 12/05/05
Next Scheduled EDR Contact: 03/06/06
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 09/01/02
Date Data Arrived at EDR: 10/15/02
Date Made Active in Reports: 10/30/02
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 11/30/05
Next Scheduled EDR Contact: 02/27/06
Data Release Frequency: No Update Planned

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 12/30/05
Date Data Arrived at EDR: 01/23/06
Date Made Active in Reports: 02/07/06
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 01/05/06
Next Scheduled EDR Contact: 03/13/06
Data Release Frequency: Annually

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 12/30/05
Date Data Arrived at EDR: 01/23/06
Date Made Active in Reports: 02/07/06
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 01/05/06
Next Scheduled EDR Contact: 03/13/06
Data Release Frequency: Annually

SWF/LF: Facility Register

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 Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/01/05
Date Data Arrived at EDR: 11/01/05
Date Made Active in Reports: 12/08/05
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 01/30/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: Semi-Annually

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 11/01/05
Date Data Arrived at EDR: 11/15/05
Date Made Active in Reports: 12/08/05
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 01/30/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List

Date of Government Version: 04/01/04
Date Data Arrived at EDR: 05/19/04
Date Made Active in Reports: 06/25/04
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 11/18/05
Next Scheduled EDR Contact: 02/13/06
Data Release Frequency: Annually

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 12/08/05
Date Data Arrived at EDR: 01/05/06
Date Made Active in Reports: 02/07/06
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/05/06
Next Scheduled EDR Contact: 02/20/06
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/02
Date Data Arrived at EDR: 07/08/05
Date Made Active in Reports: 07/14/05
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/05
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/02
Date Data Arrived at EDR: 02/20/02
Date Made Active in Reports: 03/22/02
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/23/06
Next Scheduled EDR Contact: 04/24/06
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/02
Date Data Arrived at EDR: 02/20/02
Date Made Active in Reports: 03/22/02
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/05
Next Scheduled EDR Contact: 01/23/06
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Date Data Arrived at EDR: 02/20/02
Date Made Active in Reports: 03/22/02
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Varies

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/02
Date Data Arrived at EDR: 02/20/02
Date Made Active in Reports: 03/22/02
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/23/06
Next Scheduled EDR Contact: 04/24/06
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/02
Date Data Arrived at EDR: 02/20/02
Date Made Active in Reports: 03/22/02
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Date Data Arrived at EDR: 02/20/02
Date Made Active in Reports: 03/22/02
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: No Update Planned

SPILLS: Spills Information Database

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: 12/08/05
Date Data Arrived at EDR: 01/05/06
Date Made Active in Reports: 02/07/06
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/05/06
Next Scheduled EDR Contact: 02/20/06
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/02
Date Data Arrived at EDR: 07/08/05
Date Made Active in Reports: 07/14/05
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/05
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 12/30/05
Date Data Arrived at EDR: 01/23/06
Date Made Active in Reports: 02/07/06
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 01/05/06
Next Scheduled EDR Contact: 03/13/06
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 12/30/05
Date Data Arrived at EDR: 01/23/06
Date Made Active in Reports: 02/07/06
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 01/05/06
Next Scheduled EDR Contact: 03/13/06
Data Release Frequency: Quarterly

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 12/30/05
Date Data Arrived at EDR: 01/05/06
Date Made Active in Reports: 02/07/06
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 01/05/06
Next Scheduled EDR Contact: 03/13/06
Data Release Frequency: Semi-Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/04
Date Data Arrived at EDR: 06/15/04
Date Made Active in Reports: 07/29/04
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 05/21/04
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

Brownfields: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 12/30/05
Date Data Arrived at EDR: 01/23/06
Date Made Active in Reports: 02/07/06
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 01/23/06
Next Scheduled EDR Contact: 03/13/06
Data Release Frequency: Semi-Annually

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/05
Date Data Arrived at EDR: 12/01/05
Date Made Active in Reports: 01/10/06
Number of Days to Update: 40

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 02/06/06
Next Scheduled EDR Contact: 05/08/06
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data

Date of Government Version: 12/31/02
Date Data Arrived at EDR: 09/13/04
Date Made Active in Reports: 10/18/04
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 11/21/05
Next Scheduled EDR Contact: 02/20/06
Data Release Frequency: Annually

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 02/08/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/06/06
Next Scheduled EDR Contact: 05/08/06
Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: 11/15/05
Date Data Arrived at EDR: 12/05/05
Date Made Active in Reports: 12/28/05
Number of Days to Update: 23

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: 01/25/06
Next Scheduled EDR Contact: 04/24/06
Data Release Frequency: No Update Planned

EDR Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: 12/05/05
Date Data Arrived at EDR: 12/14/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 47

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: 02/06/06
Next Scheduled EDR Contact: 05/08/06
Data Release Frequency: Varies

EDR Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/05
Date Data Arrived at EDR: 12/14/05
Date Made Active in Reports: 01/30/06
Number of Days to Update: 47

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: 02/06/06
Next Scheduled EDR Contact: 05/08/06
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

Date of Government Version: 01/06/06
Date Data Arrived at EDR: 01/11/06
Date Made Active in Reports: 02/01/06
Number of Days to Update: 21

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 11/28/05
Next Scheduled EDR Contact: 02/27/06
Data Release Frequency: Quarterly

ESE COUNTY:

Cortland County Storage Tank Listing

Date of Government Version: 01/06/06
Date Data Arrived at EDR: 01/11/06
Date Made Active in Reports: 02/01/06
Number of Days to Update: 21

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 11/28/05
Next Scheduled EDR Contact: 02/27/06
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database

Date of Government Version: 05/21/03
Date Data Arrived at EDR: 05/27/03
Date Made Active in Reports: 06/09/03
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/30/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: No Update Planned

Registered Tank Database

Date of Government Version: 05/21/03
Date Data Arrived at EDR: 05/27/03
Date Made Active in Reports: 06/09/03
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/30/06
Next Scheduled EDR Contact: 05/01/06
Data Release Frequency: No Update Planned

Storage Tank Database

Date of Government Version: 05/25/04
Date Data Arrived at EDR: 06/08/04
Date Made Active in Reports: 07/29/04
Number of Days to Update: 51

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 12/23/05
Next Scheduled EDR Contact: 02/06/06
Data Release Frequency: Varies

Storage Tank Database

Date of Government Version: 05/25/04
Date Data Arrived at EDR: 06/08/04
Date Made Active in Reports: 07/29/04
Number of Days to Update: 51

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 12/23/05
Next Scheduled EDR Contact: 02/06/06
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROCKLAND COUNTY:

Petroleum Bulk Storage Database

Date of Government Version: 10/19/05
Date Data Arrived at EDR: 10/20/05
Date Made Active in Reports: 11/22/05
Number of Days to Update: 33

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 01/03/06
Next Scheduled EDR Contact: 04/03/06
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database

Date of Government Version: 10/19/05
Date Data Arrived at EDR: 10/20/05
Date Made Active in Reports: 11/18/05
Number of Days to Update: 29

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 01/03/06
Next Scheduled EDR Contact: 04/03/06
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database

Date of Government Version: 06/21/05
Date Data Arrived at EDR: 09/19/05
Date Made Active in Reports: 11/03/05
Number of Days to Update: 45

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 12/02/05
Next Scheduled EDR Contact: 02/27/06
Data Release Frequency: Annually

Storage Tank Database

Date of Government Version: 06/21/05
Date Data Arrived at EDR: 09/19/05
Date Made Active in Reports: 11/03/05
Number of Days to Update: 45

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 09/01/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks

Listing of underground storage tanks in Westchester County.

Date of Government Version: 05/05/05
Date Data Arrived at EDR: 05/31/05
Date Made Active in Reports: 06/30/05
Number of Days to Update: 30

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/28/05
Next Scheduled EDR Contact: 02/27/06
Data Release Frequency: Varies

Listing of Storage Tanks

Listing of aboveground storage tanks in Westchester County.

Date of Government Version: 05/05/05
Date Data Arrived at EDR: 05/31/05
Date Made Active in Reports: 06/30/05
Number of Days to Update: 30

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/28/05
Next Scheduled EDR Contact: 02/27/06
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Oil/Gas Pipelines: 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.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers

Source: Department of Health

Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER VACUUM OIL COMPANY
BUFFALO STREET/WAYNE STREET
OLEAN, NY 14760

TARGET PROPERTY COORDINATES

Latitude (North):	42.090302 - 42° 5' 25.1"
Longitude (West):	78.443199 - 78° 26' 35.5"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	711461.6
UTM Y (Meters):	4662752.0
Elevation:	1427 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION 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, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

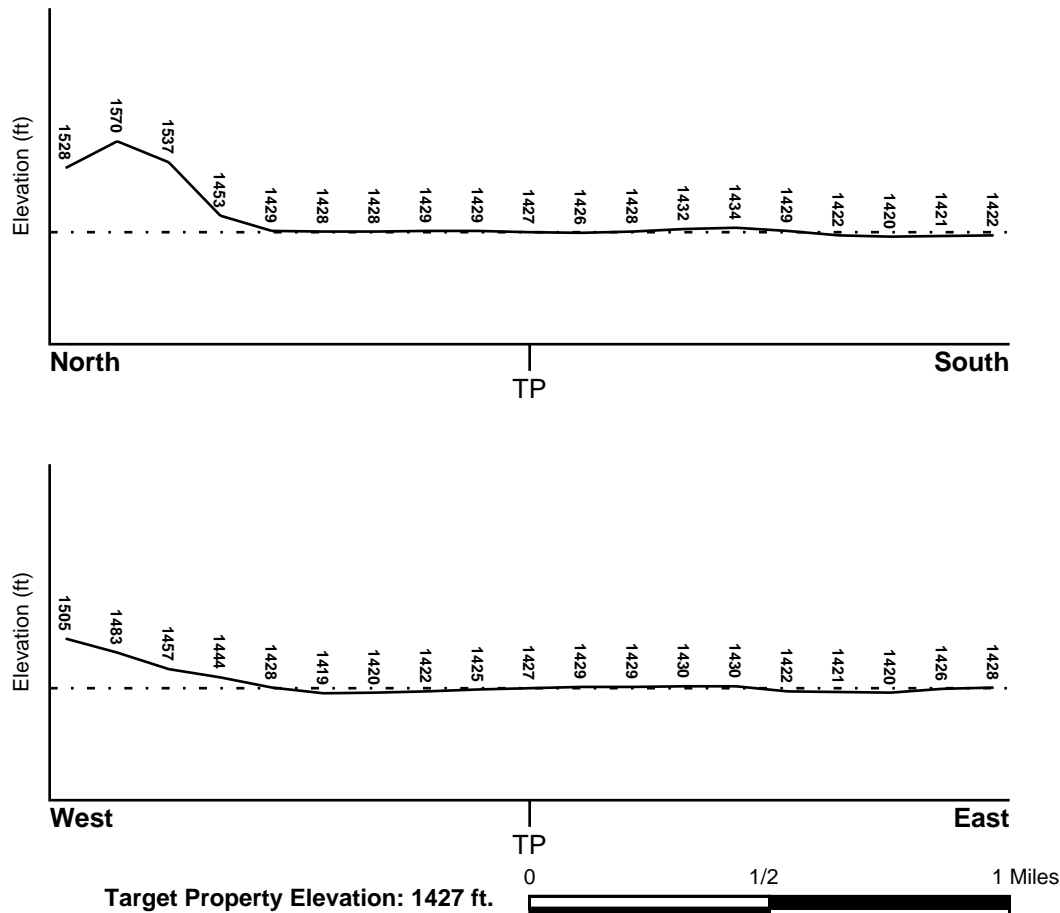
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 42078-A4 OLEAN, NY
General Topographic Gradient: General West
Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
CATTARAUGUS, NY	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3600880001B

Additional Panels in search area: 3600890005B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
OLEAN	<u>Data Coverage</u>
	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u>	<u>GENERAL DIRECTION</u>
Not Reported	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Devonian
Series: Upper Devonian
Code: D3 (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit 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).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy fine sand
channery - silt loam

Surficial Soil Types: silt loam
loamy fine sand
channery - silt loam

Shallow Soil Types: loam
silt loam
channery - silt loam

Deeper Soil Types: silt loam
fine sand
silty clay
unweathered bedrock
very channery - loam
gravelly - loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS2242084	0 - 1/8 Mile NNE
A2	USGS2242087	0 - 1/8 Mile North
3	USGS2242090	0 - 1/8 Mile NE
4	USGS2242083	1/8 - 1/4 Mile East
5	USGS2242081	1/8 - 1/4 Mile WSW
B6	USGS2242096	1/8 - 1/4 Mile NNE
7	USGS2242085	1/8 - 1/4 Mile East
8	USGS2242094	1/8 - 1/4 Mile ENE
B9	USGS2242097	1/4 - 1/2 Mile NNE
10	USGS2242079	1/4 - 1/2 Mile WSW
11	USGS2242076	1/4 - 1/2 Mile SW
12	USGS2242098	1/4 - 1/2 Mile NNE
13	USGS2242067	1/4 - 1/2 Mile SSE
14	USGS2242075	1/4 - 1/2 Mile ESE
16	USGS2242082	1/2 - 1 Mile West
17	USGS2242060	1/2 - 1 Mile SSE
18	USGS2242068	1/2 - 1 Mile SW
19	USGS2242059	1/2 - 1 Mile SSW
20	USGS2242103	1/2 - 1 Mile NE
21	USGS2242058	1/2 - 1 Mile SSW
22	USGS2242106	1/2 - 1 Mile NE
23	USGS2242249	1/2 - 1 Mile SW
24	USGS2242104	1/2 - 1 Mile NW
C25	USGS2242243	1/2 - 1 Mile SSE
26	USGS2242111	1/2 - 1 Mile NE
C27	USGS2242242	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

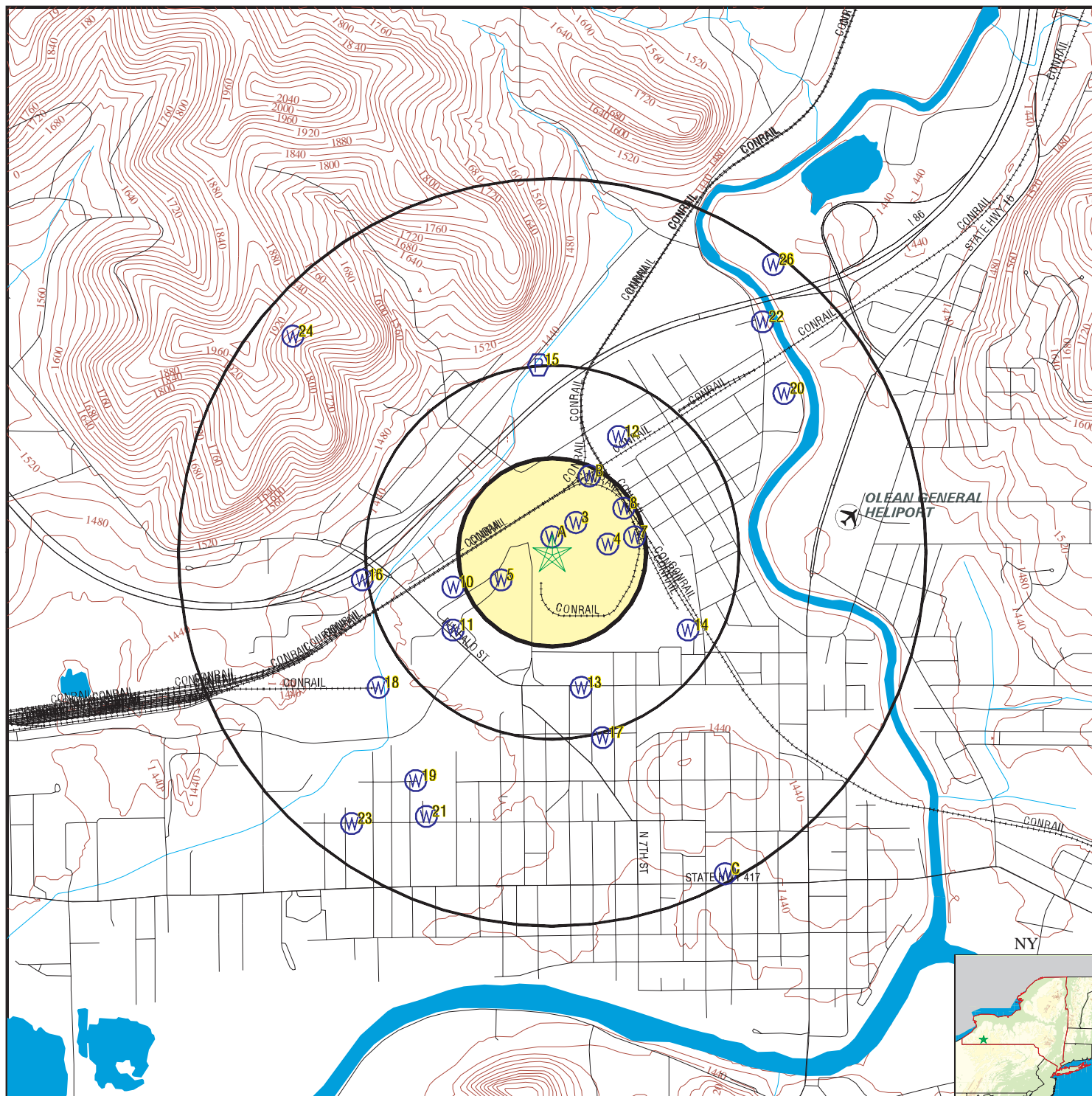
MAP ID	WELL ID	LOCATION FROM TP
15	NY0000345	1/2 - 1 Mile North

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1608251.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

SITE NAME: Former Vacuum Oil Company
 ADDRESS: Buffalo Street/Wayne Street
 Olean NY 14760
 LAT/LONG: 42.0903 / 78.4432

CLIENT: AMEC Earth & Environmental
 CONTACT: Christy Benes
 INQUIRY #: 1608251.2s
 DATE: February 07, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
NNE
0 - 1/8 Mile
Higher

FED USGS USGS2242084

Agency cd:	USGS	Site no:	420526078263601
Site name:	CT 58		
Latitude:	420526		
Longitude:	0782636	Dec lat:	42.09062057
Dec lon:	-78.44307576	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	82.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-01-01	Ground water data end date:	1966-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-01-01	22.00	

A2
North
0 - 1/8 Mile
Higher

FED USGS USGS2242087

Agency cd:	USGS	Site no:	420528078263701
Site name:	CT 350		
Latitude:	420528		
Longitude:	0782637	Dec lat:	42.09117613
Dec lon:	-78.44335355	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19240101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	86.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1924-10-01	Ground water data end date:	1924-10-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1924-10-01	21.00	

**3
NE
0 - 1/8 Mile
Higher**

FED USGS USGS2242090

Agency cd:	USGS	Site no:	420529078263201
Site name:	CT 61		
Latitude:	420529	Dec lat:	42.09145392
Longitude:	0782632	Coor meth:	M
Dec lon:	-78.44196461	Latlong datum:	NAD27
Coor accr:	S	District:	36
Dec latlong datum:	NAD83	County:	009
State:	36	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	OLEAN M-07-4	Altitude method:	M
Altitude:	1430.00	Altitude datum:	NGVD29
Altitude accuracy:	10		
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	73.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-09-01	Ground water data end date:	1966-09-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-09-01	21.00	

4

East
1/8 - 1/4 Mile
Higher

FED USGS USGS2242083

Agency cd:	USGS	Site no:	420526078262601
Site name:	CT 512		
Latitude:	420526		
Longitude:	0782626	Dec lat:	42.09062059
Dec lon:	-78.44029788	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	67.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-03-01	Ground water data end date:	1966-03-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-03-01	18.00	

5

WSW
1/8 - 1/4 Mile
Lower

FED USGS USGS2242081

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	420521078264601
Site name:	CT 511		
Latitude:	420521		
Longitude:	0782646	Dec lat:	42.08923166
Dec lon:	-78.44585363	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1425.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19240101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	QUATERNARY		
Well depth:	104	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1924-10-01	Ground water data end date:	1924-10-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1924-10-01	23.00	

B6
NNE
1/8 - 1/4 Mile
Higher

FED USGS USGS2242096

Agency cd:	USGS	Site no:	420534078263001
Site name:	CT 66		
Latitude:	420534		
Longitude:	0782630	Dec lat:	42.09284282
Dec lon:	-78.44140905	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	72.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-09-01	Ground water data end date:	1966-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1966-09-01	22.00	

7

East
1/8 - 1/4 Mile
Higher

FED USGS USGS2242085

Agency cd:	USGS	Site no:	420527078262101
Site name:	CT 59		
Latitude:	420527		
Longitude:	0782621	Dec lat:	42.09089838
Dec lon:	-78.43890895	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	67.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-03-01	Ground water data end date:	1966-03-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-03-01	18.00	

8

ENE

1/8 - 1/4 Mile
Higher

FED USGS

USGS2242094

Agency cd:	USGS	Site no:	420531078262301
Site name:	CT 362		
Latitude:	420531		
Longitude:	0782623	Dec lat:	42.09200949
Dec lon:	-78.43946453	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	72.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-03-01	Ground water data end date:	1966-03-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-03-01	21.00	

B9

NNE

1/4 - 1/2 Mile
Higher

FED USGS

USGS2242097

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	420537078262901
Site name:	CT 385		
Latitude:	420537		
Longitude:	0782629	Dec lat:	42.09367616
Dec lon:	-78.44113126	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1433.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19281012
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	70.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1928-09-01	Ground water data end date:	1928-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1928-09-01	31.00	

10
WSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2242079

Agency cd:	USGS	Site no:	420520078265501
Site name:	CT 55		
Latitude:	420520		
Longitude:	0782655	Dec lat:	42.08895386
Dec lon:	-78.44835372	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1425.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19240101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	82.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1924-09-01	Ground water data end date:	1924-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1924-09-01	23.00	

11
SW
1/4 - 1/2 Mile
Lower

FED USGS USGS2242076

Agency cd:	USGS	Site no:	420514078265501
Site name:	CT 327		
Latitude:	420514		
Longitude:	0782655	Dec lat:	42.08728719
Dec lon:	-78.44835371	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1425.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19250101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	93.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1925-04-01	Ground water data end date:	1925-04-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1925-04-01	17.00	

12
NNE
1/4 - 1/2 Mile
Higher

FED USGS USGS2242098

Agency cd:	USGS	Site no:	420541078262401
Site name:	CT 68		
Latitude:	420541		
Longitude:	0782624	Dec lat:	42.09478728
Dec lon:	-78.43974233	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5.	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19450101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	70.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1974-00-00	Ground water data end date:	1974-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974	32.00	

13
SSE
1/4 - 1/2 Mile
Higher

FED USGS USGS2242067

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	420506078263101
Site name:	CT 345		
Latitude:	420506		
Longitude:	0782631	Dec lat:	42.08506499
Dec lon:	-78.4416868	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	24000
Altitude:	1426.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	64.6	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-04-15	Ground water data end date:	1971-04-15
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1971-04-15 33

Note: A nearby site that taps the same aquifer had been pumped recently.

14
ESE
1/4 - 1/2 Mile
Higher

FED USGS USGS2242075

Agency cd:	USGS	Site no:	420514078261101
Site name:	CT 366		
Latitude:	420514		
Longitude:	0782611	Dec lat:	42.08728726
Dec lon:	-78.43613105	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5.	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19380101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: N
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: OUTWASH
Well depth: 83.0
Source of depth data: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 1946-03-00
Ground water data begin date: 1974-00-00
Ground water data count: 1

Hole depth: Not Reported
Project number: Not Reported
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data end date: 0000-00-00
Water quality data begin date: 1946-03-00
Water quality data count: 1
Ground water data end date: 1974-00-00

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974	20.00	

15
North
1/2 - 1 Mile
Higher

FRDS PWS NY0000345

PWS ID: NY0000345
Date Initiated: Not Reported
PWS Name: OLEAN CITY
P.O. BOX 668 MUNICIPAL BLDG.
OLEAN, NY 14760

PWS Status: Active
Date Deactivated: Not Reported

Addressee / Facility: System Owner/Responsible Party
MARCUS PETER
CITY OF OLEAN
P.O. BOX 668 MUNICIPAL BLDG.
OLEAN, NY 14760

Facility Latitude:	42 04 19	Facility Longitude:	078 24 15
Facility Latitude:	42 04 07	Facility Longitude:	078 24 10
Facility Latitude:	42 04 19	Facility Longitude:	078 24 23
Facility Latitude:	42 05 51	Facility Longitude:	078 26 39
City Served:	OLEAN (C)		
Treatment Class	Not Reported	Population:	Not Reported

PWS currently has or had major violation(s) or enforcement: No

16
West
1/2 - 1 Mile
Lower

FED USGS USGS2242082

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	420521078271201
Site name:	CT 357		
Latitude:	420521		
Longitude:	0782712	Dec lat:	42.08923161
Dec lon:	-78.45307611	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	24000
Altitude:	1410.00	Altitude method:	M
Altitude accuracy:	2	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19770819	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	Not Reported		
Well depth:	22.75	Hole depth:	22.75
Source of depth data:	reporting agency (generally USGS)	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-08-19	Ground water data end date:	1977-08-19
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-08-19	11.28	

17
SSE
1/2 - 1 Mile
Higher

FED USGS USGS2242060

Agency cd:	USGS	Site no:	420459078262701
Site name:	CT 487		
Latitude:	420459		
Longitude:	0782627	Dec lat:	42.08312055
Dec lon:	-78.44057564	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19320101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	118	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1946-03-00
Water quality data end date:	1946-03-00	Water quality data count:	1
Ground water data begin date:	1974-00-00	Ground water data end date:	1974-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1974	22.00	

**18
SW
1/2 - 1 Mile
Lower**

FED USGS USGS2242068

Agency cd:	USGS	Site no:	420506078270901
Site name:	CT 121		
Latitude:	420506		
Longitude:	0782709	Dec lat:	42.08506493
Dec lon:	-78.45224273	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	24000
Altitude:	1418.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	60	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1970-02-00	Ground water data end date:	1970-02-00
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1970-02	29.73	
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Note: A nearby site that taps the same aquifer had been pumped recently.

19
SSW
1/2 - 1 Mile
Lower

FED USGS USGS2242059

Agency cd:	USGS	Site no:	420453078270201
Site name:	CT 313		
Latitude:	420453		
Longitude:	0782702	Dec lat:	42.08145381
Dec lon:	-78.4502982	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-02-19	Ground water data end date:	1971-02-19
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1971-02-19	19.83	
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20
NE
1/2 - 1 Mile
Lower

FED USGS USGS2242103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	420547078255301
Site name:	CT 71		
Latitude:	420547		
Longitude:	0782553	Dec lat:	42.09645401
Dec lon:	-78.43113092	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1423.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19380101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	265	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1938-01-01	Ground water data end date:	1938-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1938-01-01	18.00	

21
SSW
1/2 - 1 Mile
Lower

FED USGS USGS2242058

Agency cd:	USGS	Site no:	420448078270001
Site name:	CT 378		
Latitude:	420448		
Longitude:	0782700	Dec lat:	42.08006492
Dec lon:	-78.44974262	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	24000
Altitude:	1415.00	Altitude method:	M
Altitude accuracy:	2	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	197708	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	QUATERNARY		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

22
NE
1/2 - 1 Mile
Lower

FED USGS USGS2242106

Agency cd:	USGS	Site no:	420557078255701
Site name:	CT 433		
Latitude:	420557		
Longitude:	0782557	Dec lat:	42.0992318
Dec lon:	-78.43224208	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1421.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19380101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	266	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

23
SW
1/2 - 1 Mile
Lower

FED USGS USGS2242249

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	420447078271401
Site name:	CT 356		
Latitude:	420447		
Longitude:	0782714	Dec lat:	42.07978712
Dec lon:	-78.45363165	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	24000
Altitude:	1415.00	Altitude method:	M
Altitude accuracy:	2	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19780920
Date inventoried:	19781016	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	QUATERNARY		
Well depth:	106	Hole depth:	106
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1978-11-01	Ground water data end date:	1978-11-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1978-11-01	22.5	

**24
NW
1/2 - 1 Mile
Higher**

FED USGS USGS2242104

Agency cd:	USGS	Site no:	420555078272501
Site name:	CT 63		
Latitude:	420555		
Longitude:	0782725	Dec lat:	42.09867609
Dec lon:	-78.4566874	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	24000
Altitude:	1417.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-02-02	Ground water data end date:	1971-02-02
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1971-02-02	23.58	

C25
SSE
1/2 - 1 Mile
Higher

FED USGS USGS2242243

Agency cd:	USGS	Site no:	420440078260601
Site name:	CT 464		
Latitude:	420440		
Longitude:	0782606	Dec lat:	42.07784277
Dec lon:	-78.43474207	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19390101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	77.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1974-00-00	Ground water data end date:	1974-00-00
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974	15.00	

26
NE
1/2 - 1 Mile
Lower

FED USGS USGS2242111

Agency cd:	USGS	Site no:	420605078255501
Site name:	CT 340		
Latitude:	420605		
Longitude:	0782555	Dec lat:	42.10145403
Dec lon:	-78.43168651	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported
Altitude:	1421.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19380101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	182	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

C27
SSE
1/2 - 1 Mile
Higher

FED USGS USGS2242242

Agency cd:	USGS	Site no:	420440078260201
Site name:	CT 37		
Latitude:	420440		
Longitude:	0782602	Dec lat:	42.07784278
Dec lon:	-78.43363092	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	009
Country:	US	Land net:	Not Reported
Location map:	OLEAN M-07-4	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	1428.00	Altitude method:	M
Altitude accuracy:	5.	Altitude datum:	NGVD29
Hydrologic:	Upper Allegheny. Pennsylvania, New York. Area = 2560 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19640101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	OUTWASH		
Well depth:	95.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-10-02
Water quality data end date:	1967-10-02	Water quality data count:	1
Ground water data begin date:	1974-00-00	Ground water data end date:	1974-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
<hr style="border-top: 1px dashed black;"/>		
1974	40.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
14760	346	235 (67.9%)	100 (28.9%)	11 (3.2%)	4.26	56.2
14760	2	0 (0%)	2 (100%)	0 (0%)	7.10	9.9

Federal EPA Radon Zone for CATTARAUGUS County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for CATTARAUGUS COUNTY, NY

Number of sites tested: 65

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.780 pCi/L	83%	17%	0%
Basement	2.760 pCi/L	62%	31%	8%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic (SSURGO) Database

Source: Department of Agriculture, Natural Resources Conservation Services

Telephone: 800-672-5559

SSURGO depicts information about soil features on or near the surface of the Earth.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

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 wells, springs, and other sources of groundwater.

STATE RECORDS**New York Public Water Wells**

Source: New York Department of Health

Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION**RADON****State Database: NY Radon**

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER**Airport Landing Facilities:** Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Appendix C

Statement By George S.

Dunham, Director in Charge

of Manufacturing Socony-

Vacuum Oil Company, Inc.,

May 11, 1954

STATEMENT BY GEORGE S. DUNHAM,
DIRECTOR IN CHARGE OF MANUFACTURING
SOCONY-VACUUM OIL COMPANY, INC.,
MAY 11, 1954

TO OLEAN REFINERY EMPLOYEES:

As most of you know, the closing of the Olean refinery has been under consideration by Socony-Vacuum for a number of years because of the plant's continuing operating losses.

Since the end of World War II repeated efforts have been made to improve operating efficiency so that the plant would pay its own way. Since 1949 engineers and technicians have almost continuously been analyzing operations here. From time to time numerous changes in operating methods and procedures directed toward reducing costs and increasing efficiency have been made and put into effect. As one result of these changes during the last few years the Olean payroll has gradually been brought down from over 500 people to fewer than 350.

In spite of these efforts, the refinery has continued to operate in the red year after year, and our analyses point toward mounting operating losses at the plant from now on.

The decision to close was postponed until such time as it could be done with the least hardship to employees.

We believe that time has now come, and we are therefore taking preliminary steps to prepare for the eventual shutdown of the plant.

As you know, we are building a new 35,000-barrel refinery at Ferndale, Washington. We expect that it will be ready to begin

operations late this fall. As the new plant approaches completion, many new jobs will open up.

It has therefore been decided to dovetail the closing of Olean with the opening of Ferndale, and thus make possible the transfer of a substantial number of Olean people to the new refinery.

By making public the company's decision well in advance, we hope to make things easier for all concerned.

You people have been loyal to Socony-Vacuum. Let me assure you that Socony-Vacuum will be loyal to you. While we cannot promise all of you jobs and pay rates equivalent to those you have now, we can and do promise that every physically qualified employee in Olean who wants a job will be offered one either at Ferndale or elsewhere in the Socony-Vacuum organization. The only exceptions will be people for whom special retirement or termination arrangements will be made on account of age or physical disabilities.

The new refinery will be operated by General Petroleum Corporation, our wholly-owned affiliate on the West Coast. It will be the first such plant in the Pacific Northwest.

To help you make up your minds about moving to Ferndale -- which, by the way, we think is an exceptionally attractive community -- four or five of you, from among those who may be interested in re-locating there, will be given an opportunity within the next week or so to visit the Puget Sound area, with your wives, to see what it is like and to report your observations to your fellow employees upon your return.

Soon afterwards, management representatives of the Ferndale refinery will come to Olean to interview those of you who are interested in moving to the Pacific Northwest.

If you choose to take new jobs with Socony-Vacuum, whether at Ferndale or elsewhere, the company will pay transportation costs for you and your immediate families, as well as the costs of shipping your furniture and household effects. In addition, the company will pay you a sum equal to one month's wages or salary to compensate you for extraordinary expenses incident to moving -- for example, alterations to your curtains and rugs, or the purchase of electric stoves, which are standard kitchen equipment in the Ferndale area.

We hope that most of you will decide to transfer to new jobs in the Socony-Vacuum organization. By doing so you will retain your status under the company's Annuities and Insurance Plan, the Employees Savings Plan, the Hospitalization Insurance Plan, and other employee benefits. For its part, the company will benefit by retaining your experience, skills, and know-how.

On the other hand, I want to emphasize that whether you take a new job with the company elsewhere or stay here in Olean is entirely up to you. Those of you who want to stay will receive either the company's regular termination allowances or, if you are eligible, special retirement benefits.

People who are now within six years of normal or optional retirement will be offered accelerated retirement under the company's retirement plan. Our records show that 79 Olean employees are in this category.

As all of you probably know, the company and its domestic affiliates operate refineries at the following places: Augusta, Kansas; Beaumont, Texas; Brooklyn and Buffalo, New York; Casper, Wyoming; East Chicago, Indiana; East Providence, Rhode Island; East St. Louis, Illinois; Paulsboro, New Jersey; Torrance, California; and Trenton, Michigan.

The company will do what it can to assist in finding jobs for employees who are not eligible for accelerated retirement and who do not wish to transfer to other jobs in the Socony-Vacuum organization. People finding jobs with other employers will be released immediately, regardless of the importance of their work here, and will receive termination allowances and other company benefits equal to what they would have received if the company itself had initiated the termination.

We deeply regret the decision that economic forces have compelled us to make. We have been in Olean a long time. The people here have been good neighbors to us, and we have tried to be a good neighbor, too. We are proud of the contribution you people have made to the civic life of the community, as well as the contribution of the company itself toward the community's development and prosperity for three-quarters of a century.

As we leave Olean, it will be evident that we are trying to close down our operations in such a way as to cause the least possible dislocation to the economic life of the community.

We are making detailed plans not only to minimize hardship for you, our Olean employees, but also to cushion the effects of the shutdown on the community. I know that the news I have given you

will raise many questions in your minds about the future. I can't answer all of them today, and many of the answers in any event will depend on individual circumstances. But you may rest assured that we will work out our plans and give you answers as fast as we can. And in the days and weeks ahead, Mr. Wanner and his staff will meet individually with every one of you to talk about your particular problems and what can be done to deal with them.

##

Appendix D

*Personal Letter From Paul
Wollstadt to a Mr. Holton.
Dated December 2, 1954*

Refineries Olean Closing Exploitation - Reader's Digest
MODEL HISTORICAL FILE US -- NY -- Mtg
-- Olean -- Closing

December 2, 1954

Mr. Holton:

Donald Wharton of the Reader's Digest is at Ferndale with Bryant Putney. Mr. Wharton has asked three groups of questions about the Olean closing which Mr. Putney has referred back to us.

We have already answered the first group, which related to statistics on the Pennsylvania oil fields.

Our proposed answers to the second and third groups are attached. We would appreciate your comments on them. Subject to your approval, we will ask Mr. Strohsahl to try to determine how many times the Olean closing was considered by the Board. Incidentally, we don't think the number of times the closing was considered is significant, but we believe it would be good public relations to try to meet Mr. Wharton's request for this information.

In addition, Mr. Wharton would like the text of the Board minutes on the Olean closing, also any quotations from Board members reflecting their attitude toward the need to close the refinery. Would you approve giving him the text of the minutes? Do you recall any comment by yourself or another member of the Board which might be suitable for Mr. Wharton to quote in his article?

Paul Wollstadt

PW:amf

*Call retired manager
Pop Wanner*

*Uneconomically
need for replacing moment
and we could close
and be done*

THE UNIVERSITY OF TEXAS AT AUSTIN

NUMBERED PARAGRAPH 1:

a. What and when was the peak yield of the Pennsylvania oil fields?

ANSWER: This question is interpreted as referring to the fields in Pennsylvania, New York, Ohio, and parts of Virginia and West Virginia that produce "Pennsylvania grade" crude. The peak year was 1900, when production averaged 99,269 barrels a day, or 57% of total U.S. output.

b. What was the yield last year?

ANSWER: Average: 51,485 barrels a day, or .8% of total U.S. production.

c. What was the capacity of the Olean refinery and how did that compare with the throughput in the last year of operations?

ANSWER: Olean was rated at 6,500 barrels a day; throughput in 1953 averaged 2,600 barrels a day and in the first five months of 1954, 2,800 barrels a day.

d. Why was it uneconomic for us to import crude to the Olean refinery from the mid-continent or abroad?

ANSWER: Olean had no facilities for processing the light Mid-Continent crude nor Middle East crudes. To process crude from either of these sources would have required installation of costly new equipment, and Olean was not properly located with respect to crude supply routes nor to markets to justify construction of what would have amounted to a new refinery there. It would have been particularly difficult to lay Middle East crude down at Olean. As for Venezuelan crude, there would have been the same transportation problem (no pipelines from Atlantic Coast deep water to Olean) plus the fact that Venezuelan crudes are not good for lubricant manufacture, and Olean was a lube plant primarily

PARAGRAPH 2:

4. What evidence is there that the way Socony-Vacuum handled the closing of the Olean refinery reflected a predetermined philosophy of the Board of Directors rather than merely astute public relations thinking at the time the Olean problem arose? That is, what is the link between the philosophy and the deed?

ANSWER: Statement by George McDaniel, general manager, Eastern Region of Socony-Vacuum Marketing, before Empire State Petroleum Association, October 6, 1953: "I don't have the figures for any other company, but I should like to have you know that in our Eastern Region, our indirect heating oil business in the period from June 1, 1947 through January, 1948, increased 43.3 percent, while our direct operation gallonage increased only 7.5 percent in the same period. I might also recall to you that, based on our marketing studies, we determined six years ago that we could not operate profitably, on either a direct or indirect basis in the Piedmont section of North and South Carolina and in portions of Eastern Tennessee. We discussed the problem very frankly with our distributors in that area and told them that we would continue to supply them until the situation was such that they could get other good sources of supply. It may interest you to know that the last of those accounts was supplied until September, 1952--five years after our decision to withdraw from those areas."

Statement by Albert L. Nickerson, Vice-president and Director in charge of Foreign Trade, Socony-Vacuum, before College English Association, October 16, 1953: "I am convinced, and I think a great many businessmen will agree, that the overriding problems of business in the years to come will be those centering around human relations and human values. We have crossed the threshold of an era of scientific

Technological development that is altering the world we live in more sharply than at any time in man's history. It is imperative that this knowledge be based on sound moral values. We must continue to raise the standard of living in a world whose population is growing prodigiously and, by means of this standard, to preserve and enlarge further the freedom of the individual."

In the 1920's and 1930's, when the Company was moving from direct to indirect operations in its marketing of kerosine in New York and New England, it turned this business in many areas over to its drivers, who became distributors -- initially of kerosine, later of fuel oils as well.

Appendix E

TVGA Consultants Bond Act

Application – Project

Description Report Submitted

in December, 2003

DRAFT

1996 CLEAN WATER/CLEAN AIR BOND ACT ENVIRONMENTAL RESTORATION PROJECT

APPLICATION FOR INVESTIGATION

FORMER FELMONT OIL SITE
1446 BUFFALO STREET, CITY OF OLEAN
CATARAUGUS COUNTY

PREPARED ON BEHALF OF:
Olean Urban Renewal Agency
101 East State Street
P.O. Box 668
Olean, New York 14760

November 2003

RECEIVED

NOV 24 2003

NYS DEC REC 6
REL UNRE

PREPARED FOR
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

APPLICATION CONTENTS

- SECTION 1: APPLICATION FORM
- SECTION 2: CERTIFIED MUNICIPAL AUTHORIZATION
- SECTION 3: PROJECT DESCRIPTION
- SECTION 4: SUMMARY OF ENVIRONMENTAL HISTORY
- SECTION 5: STATEMENT OF WORK FOR SI/RAR



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



ENVIRONMENTAL RESTORATION PROGRAM (ERP) APPLICATION

1996 CLEAN WATER/CLEAN AIR BOND ACT

ECL ARTICLE 56 - 6NYCRR 375-4

10/9/03

Applicant Information			
NAME OF MUNICIPALITY Olean Urban Renewal Agency			
NAME OF INDIVIDUAL AUTHORIZED TO SIGN APPLICATION John J. Sayegh			
TITLE OF AUTHORIZED INDIVIDUAL Executive Director			
ADDRESS 101 East State Street, Olean Municipal Building, PO Box 668			
CITY/TOWN Olean		ZIP CODE 14760-0668	
PHONE (716) 373-9260	FAX (716) 372-7912	E-MAIL jsayegh@oleanny.com	
NAME OF COMMUNITY BASED ORGANIZATION (IF APPLICABLE)			
COMMUNITY BASED ORGANIZATION'S REPRESENTATIVE			
ADDRESS			
CITY/TOWN		ZIP CODE	
PHONE	FAX	E-MAIL	
Site Information			
SITE NAME Former Felmont Oil Site			
SITE ADDRESS 1446 Buffalo Street			
CITY/TOWN Olean		ZIP CODE 14760	
COUNTY Cattaraugus		SIZE (ACRES) Approx 21.7	
LATITUDE 42° 05' 17" N		LONGITUDE 78° 26' 58" W	
PLEASE ATTACH A COUNTY TAX MAP WITH IDENTIFIER NUMBERS, ALONG WITH ANY FIGURES NEEDED TO SHOW THE LOCATION AND BOUNDARIES OF THE SITE. ALSO INCLUDE A USGS 7.5 MINUTE QUAD MAP IN WHICH THE SITE IS LOCATED.			
1. DO THE SITE BOUNDARIES CORRESPOND TO TAX MAP METES AND BOUNDS? IF NO, PLEASE ATTACH A METES AND BOUNDS DESCRIPTION OF THE SITE.		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
2. IS THE SITE PART OF A DESIGNATED BROWNFIELD OPPORTUNITY AREA PURSUANT TO GML970-R? IF YES, IDENTIFY AREA (NAME) _____		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
3. IS THE SITE LISTED ON THE NYS REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES? IF YES, FILL IN CURRENT REGISTRY SITE NUMBER AND CLASSIFICATION.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
REGISTRY SITE NUMBER: _____ CLASSIFICATION: _____			

Applicant Eligibility Information

1. HAS THE APPLICANT GENERATED, TRANSPORTED OR DISPOSED OF, OR ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF, HAZARDOUS WASTE OR PETROLEUM ON THE SITE? ☐ YES ☒ NO
2. HAS THE APPLICANT UNDERTAKEN, OR INTEND TO UNDERTAKE, ANY INDEMNIFICATION OBLIGATION RESPECTING A PARTY RESPONSIBLE UNDER LAW FOR THE REMEDIATION OF THE SITE? ☐ YES ☒ NO
3. HAS THE APPLICANT LEASED THE SITE TO ANOTHER PARTY THAT GENERATED, TRANSPORTED OR DISPOSED OF, OR THAT ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF HAZARDOUS WASTE OR PETROLEUM ON THE SITE? IF YES, CHECK ONE OF THE FOLLOWING: ☐ YES ☒ NO
- ☐ A. THE APPLICANT DID NOT KNOW THAT SUCH OTHER PARTY GENERATED, TRANSPORTED OR DISPOSED OF, OR ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF SUCH HAZARDOUS WASTE OR PETROLEUM.
- ☐ B. THE APPLICANT KNEW THAT SUCH OTHER PARTY GENERATED, TRANSPORTED OR DISPOSED OF, OR ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF SUCH HAZARDOUS WASTE OR PETROLEUM AND DID NOT TAKE ACTION TO REMEDIATE OR CAUSE THE REMEDIATION OF SUCH HAZARDOUS WASTE OR PETROLEUM.
- ☐ C. THE APPLICANT KNEW THAT SUCH OTHER PARTY GENERATED, TRANSPORTED OR DISPOSED OF, OR ARRANGED FOR OR CAUSED THE GENERATION, TRANSPORTATION OR DISPOSAL OF SUCH HAZARDOUS WASTE OR PETROLEUM AND TOOK ACTION TO REMEDIATE OR CAUSE THE REMEDIATION OF SUCH HAZARDOUS WASTE OR PETROLEUM.
4. DOES THE APPLICANT CURRENTLY OWN THE SITE OR HAS IT OBTAINED TEMPORARY INCIDENTS OF OWNERSHIP FOR AN INVESTIGATION PURSUANT TO ECL 56-0508? ☐ YES ☒ NO *

Project Description

PLEASE ATTACH A DESCRIPTION OF THE PROJECT WHICH INCLUDES THE FOLLOWING INFORMATION (REFER TO THE ENVIRONMENTAL RESTORATION PROGRAM PROCEDURES HANDBOOK FOR DETAILED INSTRUCTIONS).

- PURPOSE AND SCOPE OF THE PROJECT;
- CURRENT AND PROPOSED FUTURE USE OF THE SITE (RESIDENTIAL, COMMERCIAL, INDUSTRIAL);
- ESTIMATED PROJECT COST (INCLUDE ANY RESPONSIBLE PARTY COST RECOVERY PAYMENTS RECEIVED OR ANTICIPATED, AS WELL AS ANY OTHER ACTUAL OR POTENTIAL FUNDING SOURCES FOR THE PROJECT);
- HOW THE PROJECT WOULD SATISFY THE CRITERIA OF ECL 56-0505; AND
- ESTIMATED PROJECT SCHEDULE (FIELD WORK MUST BEGIN WITHIN 12 MONTHS OF THE APPLICATION APPROVAL DATE)

Site's Environmental History

TO THE EXTENT THAT EXISTING INFORMATION/STUDIES/REPORTS ARE AVAILABLE TO THE APPLICANT, PLEASE ATTACH THE FOLLOWING:

1. **ENVIRONMENTAL DATA**
A PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT PREPARED IN ACCORDANCE WITH ASTM E 1527 (American Society for Testing and Materials: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process), AND ALL ENVIRONMENTAL REPORTS RELATED TO CONTAMINANTS ON OR EMANATING FROM THE SITE.
2. **OWNERS**
A LIST OF PREVIOUS OWNERS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBERS (DESCRIBE APPLICANT'S RELATIONSHIP, IF ANY, TO EACH PREVIOUS OWNER LISTED. IF NO RELATIONSHIP, PUT "NONE").
3. **OPERATORS**
A LIST OF PREVIOUS OPERATORS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBER (DESCRIBE APPLICANT'S RELATIONSHIP, IF ANY, TO EACH PREVIOUS OPERATOR LISTED. IF NO RELATIONSHIP, PUT "NONE").

* Applicant intends to obtain temporary incidents of ownership for an investigation following approval of this application.

Contaminant Information

INDICATE KNOWN OR SUSPECTED CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN OR SUSPECTED TO HAVE BEEN AFFECTED:

Contaminant Category	Soil	Groundwater	Surface Water	Sediment	Soil Gas
Petroleum	X	X			
Chlorinated Solvents	X	X			
Other VOCs					
SVOCs	X	X		X	
Metals	X	X			
Pesticides					
PCBs	X			X	
Other* _____		X			

*PLEASE DESCRIBE: Ammonia and nitrate**Project Information (Complete for Remediation Projects Only)**

1. HAS THE DEC ISSUED A RECORD OF DECISION FOR THE SITE UNDER THE ERP? ☐ YES ☐ NO
2. HAS GROUNDWATER OR A SURFACE WATER BODY BEEN CONTAMINATED ABOVE STANDARDS?
IF YES, CHECK ALL THAT APPLY: ☐ YES ☐ NO
 - ☐ A. THE INFLUENT TO A PUBLIC OR PRIVATE WATER SUPPLY HAS BEEN CONTAMINATED OR THREATENED.
 - ☐ B. A CLASS A OR AA SURFACE WATER BODY OR A PRIMARY OR PRINCIPAL AQUIFER HAS BEEN CONTAMINATED WITHOUT AFFECTING AN EXISTING WATER SUPPLY.
 - ☐ C. GROUNDWATER HAS BEEN CONTAMINATED ABOVE STANDARDS OR A SURFACE WATER HAS BEEN IMPACTED.
3. HAVE ENDANGERED, THREATENED OR RARE SPECIES, STATE PROTECTED STREAMS, OR STATE REGULATED WETLANDS BEEN IMPACTED BY RELEASES FROM THE SITE? ☐ YES ☐ NO
4. ARE CONTAMINANTS PRESENT IN SOILS/WASTE AT LEVELS THAT EXCEED DEC DIVISION OF ENVIRONMENTAL REMEDIATION GUIDANCE VALUES? ☐ YES ☐ NO
5. IS THE SITE LOCATED IN A DESIGNATED EMPIRE ZONE? ☐ YES ☐ NO
6. IS THE SITE LOCATED IN A DESIGNATED EN-ZONE PURSUANT TO TL § 21 (b)(6)? ☐ YES ☐ NO
7. HAS ALL OR PART OF THE SITE BEEN IDLE OR ABANDONED FOR MORE THAN ONE YEAR? ☐ YES ☐ NO
7. HAS THE APPLICANT SIGNED AN AGREEMENT WITH A PRIVATE PARTY TO REUSE THE SITE ONCE IT IS RESTORED? ☐ YES ☐ NO
8. HAS THE APPLICANT COMMITTED TO A NEW PUBLIC OR RECREATIONAL USE? ☐ YES ☐ NO
9. HAS THE APPLICANT COMPLIED WITH THE STATE ENVIRONMENTAL QUALITY REVIEW ACT (SEQRA) REGARDING THIS ACTION? IF YES, INCLUDE THE DETERMINATION (NEGATIVE DECLARATION OR FINDINGS STATEMENT) IN THE ATTACHED PROJECT DESCRIPTION AND IDENTIFY ALL INVOLVED AGENCIES IN THE COORDINATED REVIEW. ☐ YES ☐ NO
10. IS THE APPLICANT AWARE OF OTHER FUNDING SOURCES FOR REMEDIATING THE SITE?
IF YES, PROVIDE SOURCES(S) AND DOLLAR AMOUNT IN THE ATTACHED PROJECT DESCRIPTION. ☐ YES ☐ NO

Municipality Certification

The undersigned on behalf of the applicant does hereby certify that:

- All statements made for the purpose of obtaining State assistance for the proposed project either are set out in full in this application, or are set out in full in exhibits attached to this application and incorporated by this reference; and
- The individual whose signature appears hereon is authorized to sign this application for the municipality.

A FALSE STATEMENT MADE HEREIN IS PUNISHABLE AS A CLASS "A" MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW.

Signature of Individual Authorized to Sign the Application

Date

Community Based Organization Certification (if applicable)

The undersigned on behalf of the Community Based Organization acting in partnership with the municipality does hereby certify that:

- The Community Based Organization is a not-for-profit corporation, exempt from taxation under section 501(c)(3) of the internal revenue code whose stated mission is promoting reuse of brownfield sites within a specified geographic area in which the Community Based Organization is located, which has 25% or more of its board of directors residing in the community in such area;
- The Community Based Organization represents a community with a demonstrated financial need;
- Not more than 25% of the members, officers or directors of the Community Based Organization are or were employed by or receiving compensation from any person responsible for a site under title 13 or title 14 of article 27 of the Environmental Conservation Law, article 12 of the navigation law or under applicable principles of statutory or common law liability; and
- The individual whose signature appears hereon is authorized to sign this application for the Community Based Organization.

A FALSE STATEMENT MADE HEREIN IS PUNISHABLE AS A CLASS "A" MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW.

Signature of Individual Authorized to Sign for the Community Based Organization

Date

SUBMITTAL INFORMATION:

Four (4) complete copies, one with original signatures, are required.

- Three (3) of the copies, one with original signatures, must be sent to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

- One (1) copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices: <http://www.dec.state.ny.us/website/der/index.html>

FOR DEPARTMENT USE ONLY:

ERP SITE NO: _____ ERP SITE T&A CODE: _____ PROJECT MANAGER: _____

**CERTIFIED MUNICIPAL AUTHORIZATION
TO BE PROVIDED AT A LATER DATE**

A. PURPOSE AND SCOPE

The purpose of this project is to further investigate known and suspected contamination at the former Felmont Oil Site (subject site) located at 1446 Buffalo Street, Olean, New York (Figure 1). The subject site consists of three contiguous properties with an approximate area of 22 acres located in a historically industrial area of Olean. The City of Olean and Cattaraugus County have identified the subject site as a prime candidate for restoration and redevelopment. The subject site's attributes include its size; the presence of existing infrastructure (e.g., municipal sanitary sewer, water, etc.); position within an Empire Zone; and proximity to an existing Interstate 86 interchange. However, a number of issues continue to block efforts to advance redevelopment efforts at the subject site. These issues center on the suspected presence of environmental contamination and the associated short and long term liability.

The location and configuration of the tax parcels that comprise the subject site is depicted on Figure 2. The subject site consists of three parcels identified by SBL numbers 94.47-2-28.1, 94.47-2-30 and 94.48-1-1.1. Figure 3 includes an aerial photograph of the area with the subject site identified.

The City of Olean is considering the acquisition of the Felmont Oil parcels via tax foreclosure. The actions of the City of Olean and Cattaraugus County with respect to the acquisition of these three parcels have been coordinated with the intent of consolidating the subject site under the control of the Olean Urban Renewal Agency (URA).

The project site has a long history of industrial use, having been utilized by various companies for petroleum refining from 1917 to 1955 and by the Felmont Oil Corporation for the production of anhydrous ammonia from 1964 until 1983. The Felmont Oil Corporation was listed as a large quantity hazardous waste generator on the Federal RCRIS database. To the Applicant's knowledge, the project site has not been the subject of previous environmental assessments and/or investigations. However, investigations of several adjacent former industrial properties, including the Agway Nitrogen Complex and the Van Der Horst Plant 1 and 2 Sites have confirmed the presence of surface/subsurface soil contamination, groundwater contamination, and sediment contamination within Two-Mile Creek, which is located about 0.25 miles west of the subject site's western boundary. Based upon the historical use of the project site and the results of the investigations of the adjacent former industrial sites, the following potential environmental concerns were identified in connection with the project site:

- The potential for surface and subsurface contamination in connection with the former use of the site for industrial purposes for over 85-years, including, but not limited to, spills and/or leaks from extensive petrochemical storage and processing facilities formerly located on the project site;
- The potential presence of potential underground storage tanks (USTs) and/or process piping;
- The potential for contamination associated with the former rail facilities that serviced the project site;

- The potential for contaminant migration from the Van Der Horst sites onto the project site via groundwater;
- The documented occurrence of PCBs and semi-volatile organic compounds (SVOCs) in soil on the adjacent Agway site, which was originally part of the larger refinery complex that formerly contained the project site;
- The documented occurrence of groundwater contamination by ammonia and nitrate on the adjacent Agway site;
- Potential presence of contaminated sediments sludges and/or wastewater within the remaining components of the on-site drainage system;

The scope of the site investigation developed to address these environmental concerns is detailed in the attached Draft Statement of Work for the Site Investigation/Remedial Alternatives Report (SI/RAR), and includes:

- Detailed review of historical information pertaining to the subject site;
- Site reconnaissance;
- Completion of a boundary and topographic survey;
- Development of a final SI/RAR Work Plan;
- Performance of a passive soil gas survey to identify areas containing organic contamination for further investigation;
- A limited geophysical survey to investigate areas of potential USTs;
- Completion of a subsurface investigation to further characterize the physical and chemical properties of the soil and groundwater beneath the subject site;
- A sampling and analysis program to characterize the chemistry of surface soil and potential fill materials;
- Sampling and chemical analysis of sediments from the on-site drainage control system; and
- Surface water and sediment sampling of Two-Mile Creek, which reportedly received discharges from the subject site.

B. INTENDED FUTURE USE

The primary goals of this brownfield restoration project are to identify and remediate threats to public health, safety and the environment posed by current on site conditions, and return the property to productive commercial and/or industrial use. The latter objective will likely be accomplished through redevelopment of the subject site for commercial and/or industrial use following the completion of any required site remediation. One possible scenario for redevelopment that has been preliminarily identified by the City of Olean involves the construction of an outlet mall on the project site.

The subject site represents a viable candidate for restoration and redevelopment based upon a number of factors. The subject site's positive attributes include:

- Overall size;

-
- Presence of existing infrastructure (e.g. sanitary sewer, water, electric, natural gas, etc.);
 - Position within an Empire Zone; and
 - Proximity to an existing Interstate 86 interchange and a rail corridor.

C. COST ESTIMATE

The estimated cost for completing the SI/RAR for the project is presented in Table 1. The estimated costs should only be used as a budgetary guideline. These costs are based upon related project experience and anticipated field conditions without the formal solicitation of contractor bids.

D. FUNDING SOURCES

The subject site has been largely unoccupied, mostly vacant, and significantly under-utilized for over a decade. There is also substantial debt associated with the subject site, as the current owner of the subject site is several years delinquent with real property tax payments. Consequently, it is doubtful that either the current owners or the previous owner/tenants have the financial resources to correct the adverse conditions or satisfy outstanding debts associated with the subject site. Furthermore, the debt and environmental history of the subject site are likely to continue to hinder privately funded remediation and redevelopment. Therefore, the 1996 Clean Water/Clean Air Bond Act Environmental Restoration Program is the proposed primary funding source available for this project.

The Olean URA intends to fund the Site Investigation pursuant to Resolution No. _____, which provides for \$176,200 to be applied to the investigation of the subject site, and authorizes the appropriation of the City's 10% share under the bond act.

E. PROJECT BENEFITS

The proposed restoration project satisfies the criteria relating to environmental and economic benefits established in the Environmental Conservation Law (ECL) 56-0505. Additionally, the lack of opportunities for funding sources other than the 1996 Clean Water/Clean Air Bond Act Environmental Restoration Program, as discussed in the previous section, indicates that the project is a suitable candidate for funding under this program. Pursuant to the *Brownfields Procedures Handbook*, the following paragraphs provide a brief discussion concerning the project's compliance with the criteria established in ECL 56-0505.

This environmental restoration project will result in a benefit to public health, safety and the environment through the remediation of potential sources of soil, surface water and groundwater contamination occurring on the subject site. As such, the project will address historic contamination that might otherwise go unmitigated.

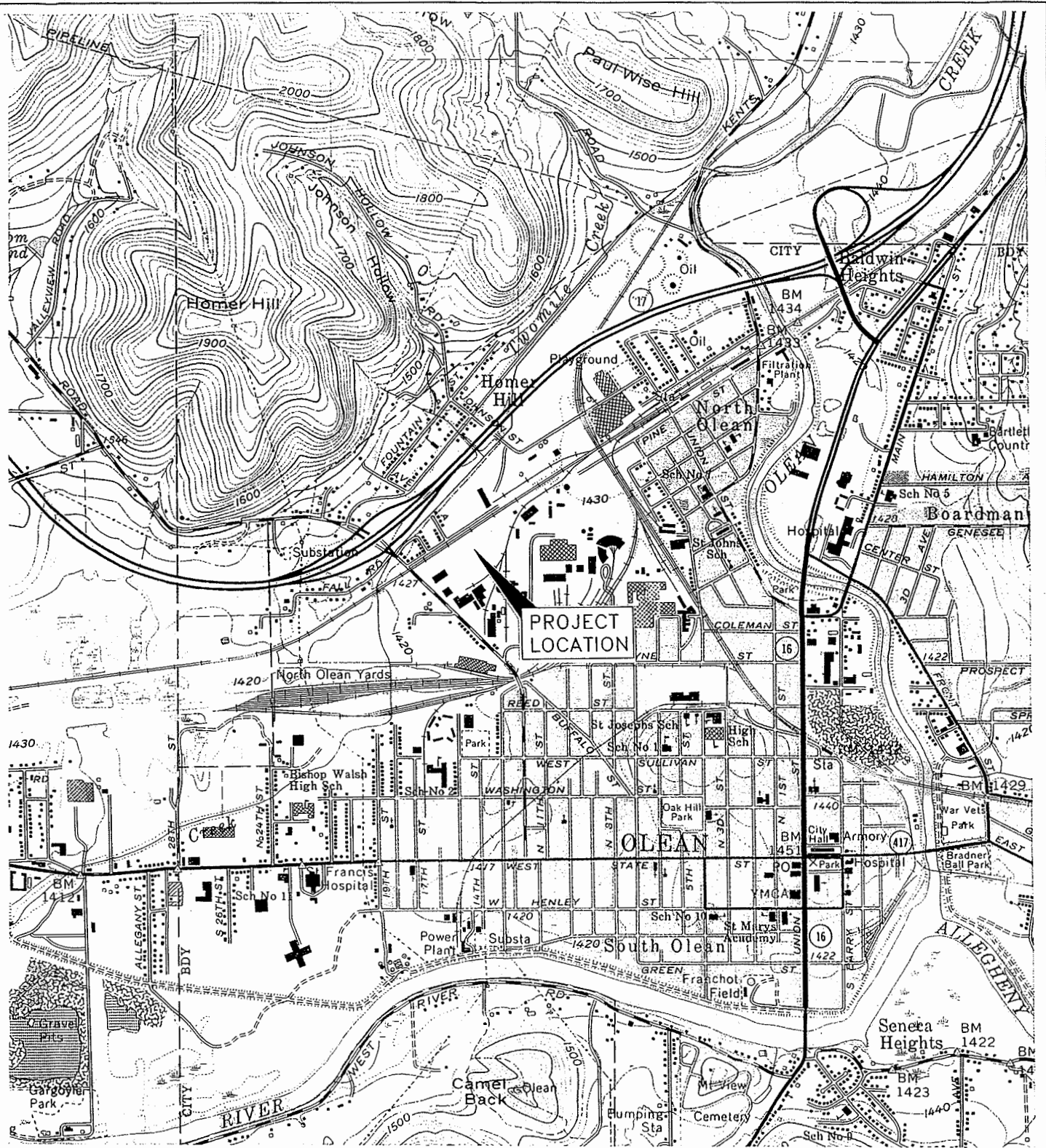
The return of the subject site to a productive use will also result in economic benefits to the community and New York State in the form of increased employment and tax revenues. Lastly the redevelopment of the subject site will take advantage of the area's existing infrastructure,

which for the most part is currently underutilized, while avoiding the potential impacts and additional costs associated with construction on undeveloped green space.

F. ESTIMATED PROJECT SCHEDULE

The scoping and preparation of the Draft SI/RAR Work Plan would be initiated within one month of the NYSDEC's approval of this application, and it is anticipated that the Work Plan would be finalized and approved within three months of the application approval date. Field work would be initiated within four months of application approval date, and the SI/RAR is expected to be complete within 9-12 months of this date.

FIGURES



USGS TOPOGRAPHIC MAP

TVGA
CONSULTANTS

1000 MAPLE ROAD
ELMA, NEW YORK 14059-9530
P. 716.655.8842
F. 716.655.0937
www.tvga.com

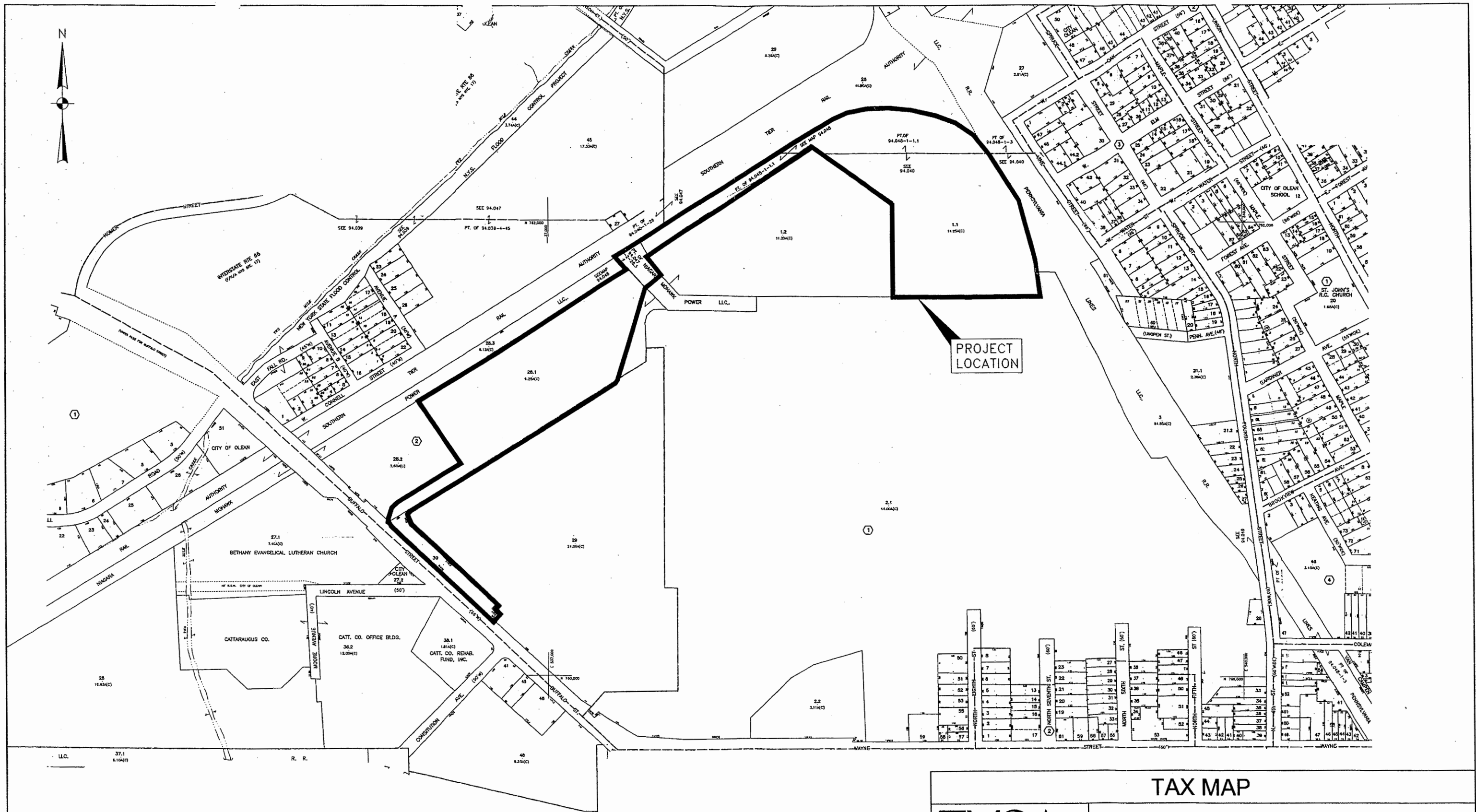
FELMONT OIL
CITY OF OLEAN, NEW YORK

PROJECT NO.

SCALE: 1" = 2000'

DATE: 10/20/03

FIGURE NO. 1



TVGA
CONSULTANTS
1000 MAPLE ROAD
ELMA, NEW YORK 14059-9530
P. 716.655.8842
F. 716.655.0937
www.tvga.com

TAX MAP

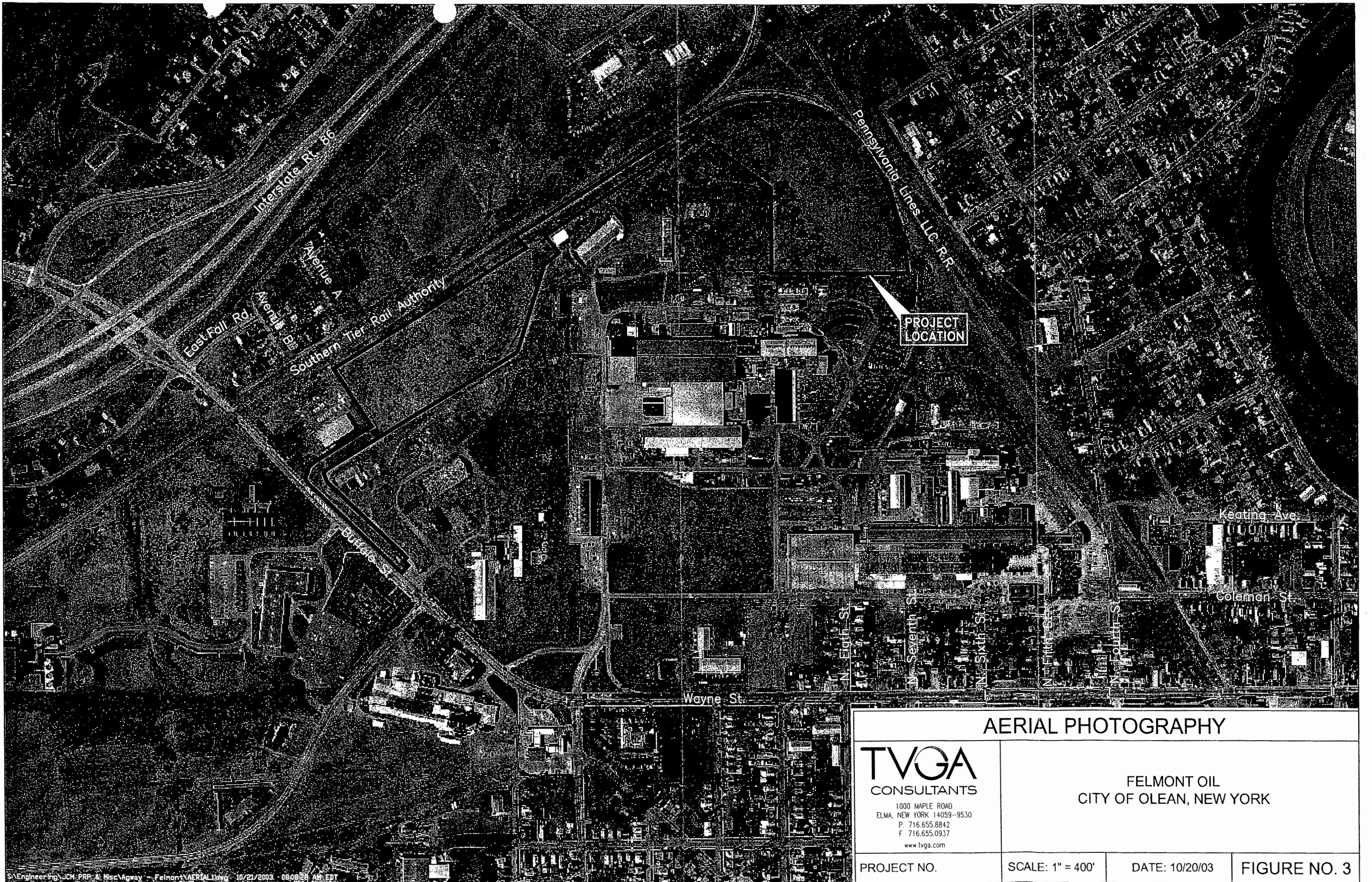
FELMONT OIL
CITY OF OLEAN, NEW YORK

PROJECT NO.

SCALE: 1" = 400'

DATE: 10/20/03

FIGURE NO. 2



AERIAL PHOTOGRAPHY

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1000 MAPLE ROAD
ELMA, NEW YORK 14059-9530
P. 716.655.8842
F. 716.655.0937
www.tvga.com

FELMONT OIL
CITY OF OLEAN, NEW YORK

PROJECT NO.

SCALE: 1" = 400'

DATE: 10/20/03

FIGURE NO. 3

TABLE 1

Table 1 - Estimated Project Cost

SI/RAR Former Felmont Oil Site

PHASE	TASKS	COST BREAKDOWN		SUBTOTAL
SI Scoping	Historical Information Review	Labor	\$6,000	\$16,500
	Site Reconnaissance.	Expenses	\$500	
	Topographic and Boundary Survey	Survey	\$10,000	
SI/RAR Work Plan	SI Work Plan	Labor	\$8,000	\$8,500
	Field Sampling Plan	Expenses	\$500	
	QA/QC Plan			
	Health and Safety Plan			
	Citizen Participation Plan			
Site Investigation	Geophysical Survey	Labor	\$25,000	\$99,000
	Passive Soil Gas Survey	Expenses and Equipment	\$4,000	
	Test Pits	Geophysical	\$8,000	
	Soil Probes/Test Borings	Passive Soil Gas Survey	\$10,000	
	Monitoring Well Installation	Drilling	\$10,000	
	Subsurface Soil Sampling	Excavation	\$2,000	
	Groundwater Sampling	Laboratory and Validation	\$40,000	
	Surface Soil Sampling			
	Drains/Sump Sampling			
	Surface Water/Sediment Sampling			
	Survey Sample Locations			
Draft SI Report	Data Review and Evaluation	Labor	\$30,000	\$30,400
	Risk Assessment	Expenses	\$400	
	Report Preparation			
Draft RA Report	Identify/Analyze Remedial Alternatives	Labor	\$17,000	\$17,400
	Report Preparation	Expenses	\$400	
Final SI/RA Report	Finalization of Draft Reports	Labor	\$4,000	\$4,400
		Expenses	\$400	
TOTAL ESTIMATED COST				\$176,200
NYSDEC PORTION (90%)				\$158,580
OLEAN URBAN RENEWAL AGENCY PORTION (10%)				\$17,620

A. SUMMARY OF ENVIRONMENTAL HISTORY

The former Felmont Oil site (project site) has been used for various industrial purposes from at least 1917 to 1983. From 1917 to 1955, the subject site was owned by several oil companies including the Standard Oil Company (SOCONY Vacuum Corporation), which conducted oil refining operations at the subject site. Historical aerial photography of the project site from 1938 depicts the presence of numerous above ground storage tanks (ASTs) and extensive refinery facilities on the project site and adjoining properties to the south and west. These large-volume ASTs were likely utilized in conjunction with refinery operations for petrochemical storage.

In 1956, the subject site was sold to the Simpson Grain Corporation, which later sold the subject site to Olean Industries in 1958. Olean Industries sold the subject site to Felmont Oil in 1964, which in turn sold the western portion of the subject site to Agway Inc. (Agway) in 1966, while continuing to conduct operations on the eastern portion of the subject site.

Felmont Oil and Agway enjoyed a symbiotic working relationship and entered into a joint venture for the production of nitrogen fertilizer. Felmont purchased natural gas that was used in combination with atmospheric air to produce anhydrous ammonia. Agway then purchased the anhydrous ammonia and carbon dioxide by-product from Felmont Oil to synthesize ammonium nitrate and urea to make urea prills, urea liquid, ammonium nitrate liquid and various nitrogen mixes. Additionally, Agway purchased water from Felmont Oil and sold steam back to Felmont Oil. Both of these facilities ceased operations in the early to mid-1980's.

A production well field was operated on the Felmont Oil facility from 1966 to 1985 to produce cooling water. The continued pumping of this well field may have resulted in drawing chromium-contaminated groundwater from the adjacent Van Der Horst No. 1 Plant Site onto the subject site. The Felmont production wells were reportedly contaminated with chromium within one year of installation in 1966.

The Felmont Oil facility reportedly operated a machine shop and compressor facilities and contained multiple electrical transformers, as well as numerous petroleum containing ASTs. This indicates the past potential for the on site storage and use of solvents, the presence of PCB-containing electrical equipment, and the use of petroleum products. Furthermore, the Felmont Oil Corporation was listed as a large quantity hazardous waste generator on the Federal RCRIS database.

To the Applicant's knowledge, the project site has not been the subject of previous environmental assessments and/or investigations. However, investigations of several adjacent former industrial properties, including the Agway Nitrogen Complex and the Van Der Horst Plant 1 and 2 Sites have confirmed the presence of surface/subsurface soil contamination, groundwater contamination, and sediment contamination within Two-Mile Creek, which is located about 0.25 miles west of the subject site's western boundary. Based upon the historical use of the project site and the results of the investigations of the adjacent former industrial sites, the following potential environmental concerns were identified in connection with the project site:

-
- The potential for surface and subsurface contamination in connection with the former use of the site for industrial purposes for over 85-years, including, but not limited to, spills and/or leaks from extensive petrochemical storage and processing facilities formerly located on the project site;
 - The potential presence of potential underground storage tanks (USTs) and/or process piping;
 - The potential for contamination associated with the former rail facilities that serviced the project site;
 - The potential for contaminant migration from the Van Der Horst sites onto the project site via groundwater;
 - The documented occurrence of PCBs and semi-volatile organic compounds (SVOCs) in soil on the adjacent Agway site, which was originally part of the larger refinery complex that formerly contained the project site;
 - The documented occurrence of groundwater contamination by ammonia and nitrate on the adjacent Agway site;
 - Potential presence of contaminated sediments sludges and/or wastewater within the remaining components of the on-site drainage system;

A site investigation, however, is necessary to confirm or deny the presence of contamination on the project site, as well as to define the magnitude and extent of any contamination encountered.

PRELIMINARY STATEMENT OF WORK

SITE INVESTIGATION/ REMEDIAL ALTERNATIVES REPORT

FORMER FELMONT OIL SITE

**1446 BUFFALO STREET, CITY OF OLEAN
CATTARAUGUS COUNTY, NEW YORK**

Prepared for:

OLEAN URBAN RENEWAL AGENCY

101 EAST STATE STREET

P.O. BOX 668

OLEAN, NY 14760-0668

Prepared by:

TVGA CONSULTANTS

1000 MAPLE ROAD

ELMA, NEW YORK 14059

November 2003

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FIGURES

FIGURE 1: SITE LOCATION MAP

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1.0 GENERAL DISCUSSION

The *Statement of Work* (SOW) outlined herein has been developed by TVGA Consultants for the completion of a *Site Investigation/Remedial Alternatives Report* (SI/RAR) for the former Felmont Oil Site located at 1446 Buffalo Street in the City of Olean, Cattaraugus County, New York (project site). Figure 1 is included as a Site Location Map. This SOW has been prepared on behalf of the Olean Urban Renewal Agency (URA) in association with the possible environmental restoration and redevelopment of the project site under the Brownfields Program administered by the New York State Department of Environmental Conservation (NYSDEC). The Olean URA is applying to the NYSDEC for State financial assistance under Title 5 of the Clean Water/Clean Air Bond Act of 1996 for the investigation of the project site. The purpose of the SI/RAR is to investigate the nature and extent of suspected contamination at the project site and to develop and evaluate remedial alternatives, as appropriate.

The project site consists of approximately 22-acres situated in a historically industrial area of Olean. The site is currently vacant except for the remnants of a former industrial complex, including a number of former building foundations and probable buried utilities.

The project site has a long history of industrial use, having been utilized by various companies for petroleum refining from 1917 to 1955 and by the Felmont Oil Corporation for the production of anhydrous ammonia from 1964 until 1983. The Felmont Oil Corporation was listed as a large quantity hazardous waste generator on the Federal RCRIS database. To the Applicant's knowledge, the project site has not been the subject of previous environmental assessments and/or investigations. However, investigations of several adjacent former industrial properties, including the Agway Nitrogen Complex and the Van Der Horst Plant 1 and 2 Sites have confirmed the presence of surface/subsurface soil contamination, groundwater contamination, and sediment contamination within Two-Mile Creek, which is located about 0.25 miles west of the subject site's western boundary. Based upon the historical use of the project site and the results of the investigations of the adjacent former industrial sites, the following potential environmental concerns were identified in connection with the project site:

- The potential for surface and subsurface contamination in connection with the former use of the site for industrial purposes for over 85-years, including, but not limited to, spills and/or leaks from extensive petrochemical storage and processing facilities formerly located on the project site;
- The potential presence of potential underground storage tanks (USTs) and/or process piping;
- The potential for contamination associated with the former rail facilities that serviced the project site;
- The potential for contaminant migration from the Van Der Horst sites onto the project site via groundwater;
- The documented occurrence of PCBs and semi-volatile organic compounds (SVOCs) in soil on the adjacent Agway site, which was originally part of the larger refinery complex that formerly contained the project site;
- The documented occurrence of groundwater contamination by ammonia and nitrate on the adjacent Agway site;
- Potential presence of contaminated sediments sludges and/or wastewater within the remaining

components of the on-site drainage system;

The following sections outline the primary tasks associated with the completion of the SI/RAR for the project site. As such, information and data obtained during preliminary stages of the site investigation (e.g., review of historical records) will direct the nature and extent of subsequent phases of the investigation.

2.0 SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT WORK PLAN

TVGA will prepare a *SI/RAR Work Plan* that provides a detailed description of the approach to be employed in completing the SI/RAR. The Work Plan will be prepared for NYSDEC review and will include the items discussed below.

2.1 Scoping of SI/RAR

Scoping of the SI/RAR will involve a detailed review of historical information, completion of a site reconnaissance, and completion of a boundary/topographical survey.

TVGA will complete a review of historical information pertaining to the subject site and operations occurring thereon. Existing data concerning historical site operations contained in environmental reports previously completed for the property and nearby properties will be the primary source of information relative to on-site chemical use and storage, waste generation and disposal, and environmental discharges. If necessary, this information will be supplemented through the review of additional records and the performance of additional interviews with former facility employees.

A site reconnaissance will be completed to familiarize ourselves with the subject site, assess the subject site for recognized environmental conditions, and evaluate for equipment access during the site investigation phase of work.

A boundary and topographical survey of the entire subject site will be performed by a New York State licensed land surveyor for the purpose of developing an accurate base map and locating the horizontal and vertical position of relevant site features. Elevations will be relative to a regional, local or project specific datum. USGS benchmarks will be used if present within 0.5 miles of the subject site, and will take precedence over the use of project specific datum.

Based upon this information, and in consultation with the Olean URA and the NYSDEC, TVGA will define the remedial goals of the project consistent with 6 NYCRR Part 375 and reflective of the intended end use of the property, and will identify likely decisions, data requirements and the schedule for the project.

2.2 Site Investigation Work Plan

TVGA will prepare a *Site Investigation (SI) Work Plan* detailing the methods to be employed to characterize the subject site. The SI Work Plan will present the initial evaluation of the

existing data and background information performed during the scoping process, and will define the scope and objectives of site characterization activities, to the extent possible. Because the SI/RAR process is dynamic and iterative, the *SI Work Plan* will be modified during the site characterization process to incorporate new information and refined project objectives, as necessary.

The SI Work Plan will identify the methods to be utilized to generate sufficient information to:

- Identify and characterize the sources of contamination;
- Describe the amount, concentration, persistence, mobility, state, and other significant characteristics of the contamination present;
- Evaluate the extent to which contaminants have migrated or are expected to migrate and whether future migration may pose a threat to human health or the environment;
- Identify all actual routes of exposure;
- Identify actual populations and environmental receptors which may be at risk;
- Define hydrogeological factors (e.g., soil permeability, depth to saturated zone, hydrologic gradients, proximity to a drinking water aquifer, flood plain, or wetland);
- Describe groundwater characteristics and current and potential groundwater use;
- Identify active private wells within 1,000 feet of the subject site and be prepared to develop an appropriate sampling plan for them, if necessary;
- Identify potentially affected surface water classifications and existing use designations;
- Quantitatively describe the property's contribution to an air, land, water, biota, or food chain contamination problem;
- Determine the extent to which contamination levels pose an unacceptable risk to public health and/or the environment;
- Identify local ordinances and rules which may pertain to the site; and
- Discuss other appropriate factors.

2.3 Site Specific Field Sampling Plan

The *Field Sampling Plan* (FSP) will be prepared to identify and describe: (1) sampling objectives; (2) sampling equipment and methods; (3) sample types, locations and frequency;

(4) sample identification system; (5) sample handling and analysis; (6) field documentation and record keeping procedures; and (7) a schedule of events and deliverables.

2.4 Quality Assurance/Quality Control Plan

The *Quality Assurance/Quality Control (QA/QC) Plan* will address all elements of the site investigation and will include:

- A project description;
- A project organization chart illustrating the lines of responsibility of the sampling personnel;
- Quality assurance objectives for data;
- Sample custody procedures;
- The type and frequency of calibration procedures for field and laboratory instruments, internal quality control checks, and quality assurance performance audits and system audits;
- Preventative maintenance procedures and schedule and corrective action procedures for the field and laboratory instruments;
- Specific procedures to assess data precision, representativeness, comparability, accuracy, and completeness of specific measurement parameters; and
- Data documentation and tracking procedures.

2.5 Health And Safety Plan

A site specific *Health and Safety Plan (HASP)* complying with 29 CFR 1910.120 will be prepared prior to the commencement of field activities. The HASP will provide a site background discussion and describe personnel responsibilities, protective equipment, health and safety procedures and protocols, decontamination procedures, personnel training, and type and extent of any necessary medical surveillance. Procedures for protecting third parties, such as visitors or the surrounding community, will also be specified in the HASP.

2.6 Citizen Participation Plan

The *Citizen Participation (CP) Plan* will describe the types of information to be provided to the public and outline the opportunities for community comment and input during the SI/RAR. This Plan will include a preliminary list of potentially interested parties, a list of information repositories, community outreach, and other appropriate citizen participation activities. Furthermore, the CP Plan will describe the procedures to be used to ensure that:

-
- Pertinent documents will be readily available to the public;
 - Communication with the public takes place at critical decision points in the remedial program;
 - Informational notices are mailed out and/or announced in the local media;
 - Project staff are identified and made accessible to the public; and
 - Interested and/or affected parties are identified.

3.0 SITE INVESTIGATION

The site investigation will be performed in accordance with the *SI/RAR Work Plan* and will involve the field work necessary to complete the site characterization program, including but not limited to: a geophysical survey, test borings, monitoring well installation, test pit excavations, environmental sampling and measurement, field screening, laboratory analyses, surveying, and data validation. The site investigation will provide sufficient information to:

- Further identify the study area of the SI/RAR;
- Identify potential remedial alternatives;
- Identify probable remedial goals and determine the extent to which they have been exceeded or contravened; and
- Perform a qualitative health and environmental risk assessment, as necessary.

3.1 Preliminary Scope of Site Investigation

The preliminary scope of the site characterization program to be detailed in the *SI/RAR Work Plan* is outlined in the following subsections. This preliminary scope is intended to define the initial extent of site characterization activities and will be modified as necessary to account for information obtained during project scoping. Data gathered as a result of these activities will be utilized to determine the necessity for additional investigation of the subject site.

3.1.1 Subsurface Investigation

A subsurface investigation will be conducted to characterize soil and groundwater conditions occurring on the subject site. The investigation will include the performance of a limited geophysical survey to investigate for potential metallic anomalies; and the installation of test pits, soil probes, test borings and monitoring

wells to facilitate the collection and chemical analysis of soil/fill and groundwater samples. The preliminary scope of the subsurface investigation will include the following:

- A site-wide passive soil gas survey will be performed using sorbent-based vapor collectors to identify potential areas of concern. The vapor collectors will be placed in both suspect areas of the subject site that are identified during the historical review and on a grid pattern to provide general coverage across the subject site. Approximately 50 vapor collectors will be installed. After approximately 10 days, the vapor collectors will be retrieved and analyzed for volatile organic compounds and semi-volatile organic compounds. The results from the survey will be utilized to focus the remainder of the subsurface investigation activities.
- A limited geophysical survey will be completed to investigate metallic anomalies (e.g. buried drums or abandoned USTs) potentially present in suspect areas identified during the historical review and site reconnaissance. The site has been used for various industrial purposes for over 85 years, including oil refining which indicates the potential for the presence of USTs.
- Test pits will be completed in areas of the subject site where the geophysical survey results define metallic anomalies. Additionally, test pits will be excavated in areas where soil probes and/or test borings might prove ineffective (i.e. within former building footprints). This task will facilitate the investigation of metallic anomalies; investigation of the nature and thickness of debris/fill; and the collection, screening and chemical analysis of soil and/or fill samples. It is anticipated that this will include one day of test pit excavations.
- A network of test probes will be advanced across the property using direct hydraulic-push sampling equipment (e.g., geoprobe or earthprobe) to collect continuous subsurface soil samples. The test probing will be completed in an effort to: characterize surficial geology across the site; define the areal extent and thickness of fill material, if any; and identify and delineate areas of subsurface contamination via field screening of soil gas and soil samples, and the chemical analysis soil samples. The location of the test probes will be selected based upon a grid system, the results of the soil gas survey and previously identified areas of concern. It is anticipated that this will include approximately two days of test probing.
- Eight (8) test borings will be drilled on the project site with a drill rig to facilitate the classification, field screening and collection of subsurface soil samples for laboratory analysis. All eight (8) of the test borings will be completed with groundwater monitoring wells to enable the determination of

groundwater flow direction and gradient, and the hydraulic conductivity of the upper-most water-bearing zone, as well as the collection of groundwater samples for chemical analysis.

Test boring and monitoring well locations will be based upon the project objectives, ease of access, freedom from obstructions, and safety considerations (appropriate set backs from overhead wires and buried services). Based upon the previous drilling program on the subject property, the depth to groundwater is around 20 feet below ground surface (bgs). Therefore, it is assumed that the average depth of the monitoring wells will be 30 feet bgs. All test borings will be advanced using 4-1/4-inch I.D. hollow stem augers with continuous split spoon sampling. The wells will be constructed of 2-inch Schedule 40 screens and risers, and will be fitted with locking caps.

- All subsurface soil/fill samples collected from test pits, soil probes and test borings will be screened for Total Organic Vapors (TOVs) using a photoionization detector. Visual observations will also be made to evaluate for discolored or stained soils. Field screening results will be used to select up to 15 soil samples for chemical analysis.
- The eight (8) newly installed monitoring wells will be developed and gauged to determine static water levels for the purpose of identifying groundwater flow direction and gradient.
- In-situ hydraulic conductivity tests will be completed on a portion of the existing wells and all eight (8) new monitoring wells to determine the permeability of the upper most water-bearing unit.
- Representative groundwater samples will be obtained from the eight (8) newly installed monitoring wells for chemical analysis.
- Soil/fill and groundwater samples will be submitted and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and PCBs appearing on the Target Compound List (TCL) using NYSDEC Analytical Services Protocol (ASP) Method 2000. The samples will also be analyzed for the metals appearing on the Target Analyte List (TAL) using ASP methods. Groundwater samples will also be analyzed for Total Organic Nitrogen (TON). All chemical analyses will be performed by a laboratory that is accredited under the New York State Environmental Laboratory Approval Program (ELAP) Contract Laboratory Program (CLP).
- A survey will be completed to locate the actual location of the test borings, monitoring wells, monitoring well casing elevations, test pits, soil probes and

building sample locations. These locations will be superimposed on the base map.

3.1.2 Surface Soil/Fill Investigation

A sampling and analysis program will be implemented to characterize the chemistry of surface soil and/or fill materials. Grab samples will be collected from previously identified areas of concern (e.g., locations of former ASTs, areas of stained soil, etc.), as well as from points selected to represent conditions across the subject site. We have estimated that ten (10) surface soil samples will be collected for analysis. In addition, five (5) background soil samples will be collected from appropriate locations for the purpose of defining local baseline soil conditions. These samples will be analyzed for SVOCs and PCBs appearing on the TCL and metals appearing on the TAL.

3.1.3 Drains, Sewers and Sumps Investigation

TVGA will visually inspect remaining floor drains, sewers, sumps, vaults and accessible utility conduits in an effort to identify and sample suspect solids, liquids and/or sludges that may be present. The resulting samples will be chemically analyzed to characterize the materials that are present in these structures. The method of sample collection will be determined based upon the type of matrix (e.g., aqueous or non-aqueous). TVGA has estimated that five (5) samples will be collected for analysis.

Collected samples will be submitted and analyzed for VOCs, SVOCs and PCBs appearing on the TCL and metals appearing on the TAL.

3.1.4 Surface Water/Sediment Sampling

TVGA will conduct a reconnaissance of Two Mile Creek in an attempt to locate point source discharge locations other than the known discharge pipe. Additionally, interviews with former employees and a review of any historical plans obtained will be completed to ascertain the source, location and end point of any discharges to the creek other than the known location. One (1) surface water sample will be collected up-stream and down-stream from the known discharge pipe and one (1) sample will be collected at the discharge point. Sediment samples will be collected from each of the surface water sampling stations. Additional samples may be collected based on the outcome of the reconnaissance.

TVGA has assumed that five (5) surface water and five (5) sediment samples will be collected from Two Mile Creek. The sediment and surface water samples will be collected as grab samples, and will be analyzed for VOCs, SVOCs and PCBs appearing on the TCL and metals appearing on the TAL.

4.0 DATA EVALUATION AND ASSESSMENT OF RISKS

Once the accuracy and precision of the data has been verified, evaluation of the data will be performed. All site investigation data will be analyzed and the results of the analyses will be presented in an organized and logical manner so that the relationship between site investigation results for each medium are apparent. Typical activities associated with data evaluation include:

- Data review, reduction and tabulation;
- Comparison with applicable regulatory levels; and
- Environmental fate and transport modeling/evaluation.

Using these data, a risk assessment will be performed to qualitatively assess the potential human health and environmental risks associated with the site. The following activities are typically associated with this task:

- Identification of contaminants of concern;
- Exposure assessment;
- Toxicity assessment; and
- Risk Characterization.

5.0 SITE INVESTIGATION REPORT

A SI Report will be prepared which: (1) summarizes and documents the investigative methods employed to Characterize the site; (2) describes the physical characteristics of the site; (3) defines the nature and extent of contamination; (4) presents the results of contaminant fate and transport modeling/evaluations; (5) identifies potential health and environmental risks posed by the site; and (6) provides recommendations relative to future work requirements and remedial action objectives. A draft Table of Contents for the SI Report is presented in Attachment A.

6.0 DEVELOPMENT AND ANALYSIS OF REMEDIAL ALTERNATIVES

6.1 Development of Alternatives

A range of remedial alternatives will be developed to address contaminated media at the site, as deemed necessary in the SI, and to provide adequate protection of human health and the environment. The potential alternatives will encompass a range of alternatives including treatment, containment and removal options.

General response actions will be identified for each medium of interest. General response actions typically include containment, excavation, extraction, treatment, disposal or other

actions, singly or in combination to satisfy remedial action objectives. Volumes or areas of media to which general response actions may apply will be identified. Subsequently, treatment technologies for each general response action will be identified and screened relative to their technical and economic feasibility for implementation at the site, and the potential technologies will be combined into media-specific or site-wide alternatives. The alternatives will be screened on a general basis with respect to their effectiveness, implementability, and cost, to limit the number of alternatives that undergo the detailed analysis and to provide consideration of the most promising options.

6.2 Detailed Analysis of Alternatives

A detailed analysis of each alternative will be completed in accordance with the requirements outlined in 6 NYCRR Part 375-1.10, Remedy Selection. An individual analysis of each alternative will be performed relative to the following criteria:

- Overall protection of human health and the environment;
- Compliance with Standards, Criteria and Guidance;
- Short-term effectiveness;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume;
- Feasibility;
- Community Acceptance.

Furthermore, a comparative analysis of all of the remedial alternatives with respect to each other will be completed in terms of the above listed criteria.

7.0 **REMEDIAL ALTERNATIVES REPORT**

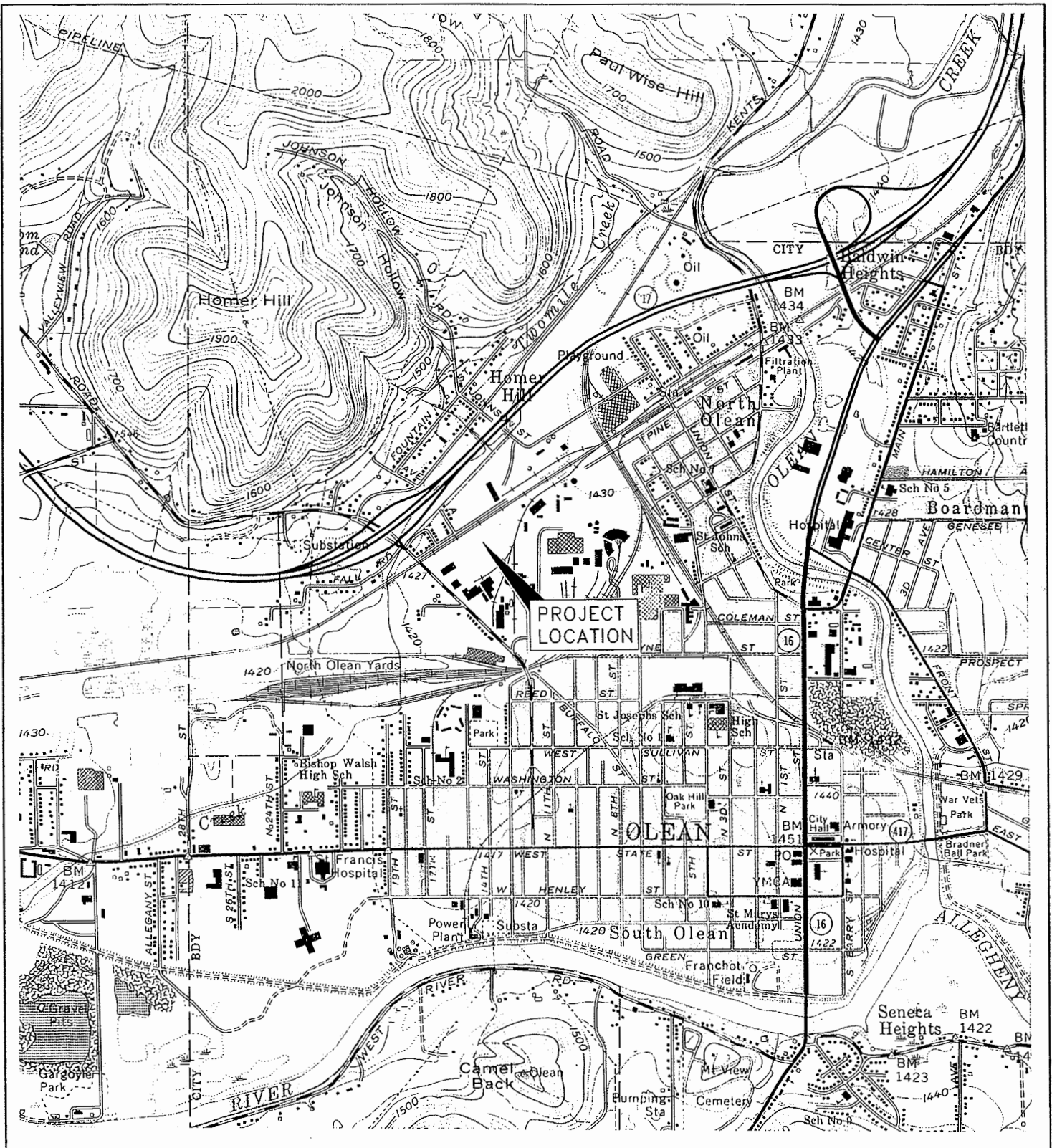
A *Remedial Alternatives Report* (RAR) will be prepared that describes the process utilized to develop and screen remedial alternatives, presents the results of the detailed analysis of alternatives, and identifies the most suitable remedy considering the remedial action objectives. A draft Table of Contents for the RAR is presented in Attachment B. The RAR will present sufficient information to enable the preparation of a *Proposed Remedial Action Plan* (PRAP), which summarizes the proposed remedy for public review and comment.

8.0 **FINAL SI/RAR**

A final SI/RAR that addresses comments from the NYSDEC, NYSDOH and the Olean URA will be prepared. As part of this process, responses to one (1) round of comments on the draft reports from each of these

agencies will be prepared, and the documents will be revised after obtaining agency concurrence on said responses. The Final SI/RAR will serve as the bases for the PRAP and *Record of Decision* (ROD) for the project.

FIGURES



USGS TOPOGRAPHIC MAP

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FELMONT OIL
CITY OF OLEAN, NEW YORK

PROJECT NO.

SCALE: 1" = 2000'

DATE: 10/20/03

FIGURE NO. 1

ATTACHMENT A

**SITE INVESTIGATION REPORT
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SITE INVESTIGATION REPORT

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Executive Summary

1. Introduction

- 1.1 Purpose of Report
- 1.2 Site Background
 - 1.2.1 Site Description
 - 1.2.2 Site History
 - 1.2.3 Previous Investigations
- 1.3 Report Organization

2. Study Area Investigation

- 2.1 Includes field activities associated with site Characterization. These may include physical and chemical monitoring of some, but not necessarily all, of the following:
 - 2.1.1 Surface Features (topographic mapping, etc.) natural and manmade features
 - 2.1.2 Contaminant Source Investigations
 - 2.1.3 Meteorological Investigations
 - 2.1.4 Surface-Water and Sediment Investigations
 - 2.1.5 Geological Investigations
 - 2.1.6 Soil and Vadose Zone Investigations
 - 2.1.7 Groundwater Investigations
 - 2.1.8 Human Population Surveys
 - 2.1.9 Ecological Investigations
- 2.2 If technical correspondence documenting field activities were prepared, they may be included in an appendix and summarized in this report chapter.

3. Physical Characteristics of the Study Area

- 3.1 Includes results of field activities to determine physical characteristics. These may include some, but not necessarily all, of the following:
 - 3.1.1 Surface Features
 - 3.1.2 Meteorology
 - 3.1.3 Surface Water Hydrology
 - 3.1.4 Geology
 - 3.1.5 Soils
 - 3.1.6 Hydrogeology
 - 3.1.7 Demography and Land Use
 - 3.1.8 Ecology

4. Nature and Extent of Contamination

- 4.1 Presents the results of site Characterization, both natural chemical components and contaminants in some, but not necessarily all, of the following media:
 - 4.1.1 Sources (lagoons, sludges, tanks, etc.)
 - 4.1.2 Soils and Vadose Zone
 - 4.1.3 Groundwater
 - 4.1.4 Surface Water and Sediments
 - 4.1.5 Air
- 5. Contaminant Fate and Transport
 - 5.1 Potential Routes of Migration (i.e., air, groundwater, etc.)
 - 5.2 Contaminant Persistence
 - 5.2.1 If they are applicable (i.e., for organic contaminants), describe estimated persistence in the study area environment and physical, chemical, and/or biological factors of importance for the media of interest.
 - 5.3 Contaminant Migration
 - 5.3.1 Discuss factors affecting media of importance (e.g., sorption onto soils, solubility in water, movement of groundwater, etc.)
 - 5.3.2 Discuss modeling methods and results, if applicable.
- 6. Baseline Risk Assessment (If necessary)
 - 6.1 Public Health Evaluation
 - 6.1.1 Exposure Assessment
 - 6.1.2 Toxicity Assessment
 - 6.1.3 Risk Characterization
 - 6.2 Environmental Assessment
- 7. Summary and Conclusions
 - 7.1 Summary
 - 7.1.1 Nature and extent of Contamination
 - 7.1.2 Fate and Transport
 - 7.1.3 Risk Assessment
 - 7.2 Conclusions
 - 7.2.1 Data Limitations and Recommendations for Future Work
 - 7.2.2 Recommended Remedial Action Objectives

Appendices

- A. Technical Correspondence on Field Activities (if applicable)
- B. Analytical Data and QA/QC Evaluation Results
- C. Risk Assessment Methods

ATTACHMENT B

**REMEDIAL ALTERNATIVES REPORT
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REMEDIAL ALTERNATIVES REPORT

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 - 1.2 Background Information (Summarized from SI Report)
 - 1.2.1 Site Description
 - 1.2.2 Site History
 - 1.2.3 Nature and extent of Contamination
 - 1.2.4 Contaminant Fate and Transport
 - 1.2.5 Baseline Risk Assessment (if appropriate)
2. Identification and Development of Alternatives
 - 2.1 Introduction
 - 2.2 Remedial Action Objectives

Presents the development of remedial action objectives for each medium of interest (i.e., groundwater, soil, surface water, air, etc.) For each medium, the following should be discusses:

 - Contaminants of interest
 - Development of remediation goals
 - 2.3 General Response Actions

For each medium of interest, describes the estimation of areas or volumes to which treatment, containment, or exposure reduction technologies may be applied.
 - 2.4 Development of Alternatives

Describes rationale for combination of general response actions into alternatives. Note: This discussion may be by medium or for the property as a whole.
3. Detailed Analysis of Alternatives
 - 3.1 Introduction
 - 3.2 Individual Analysis of Alternatives
 - 3.2.1 Alternative 1
 - 3.2.1.1 Description
 - 3.2.1.2 Assessment
 - 3.2.2 Alternative 2
 - 3.2.2.1 Description
 - 3.2.2.2 Assessment
 - 3.2.3 Alternative 3
 - 3.3 Comparative Analysis

Bibliography

Appendices

Appendix F

Letter Addressed to Mrs. Christy Benes of AMEC from Susan J. Beates, Historian/Curator II of the Drake Well Museum



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Drake Well Museum

202 Museum Lane, Titusville Pennsylvania 16354-8902
(814) 827-2797 Fax (814) 827-4888
Website: www.drakewell.org
E-mail: drakewell@usachoice.net

March 10, 2006

Ms. Christy Benes
Environmental Science Professional III
AMEC Earth & Environmental, Inc.
285 Davidson Ave., Suite 100
Somerset, NJ 08873

Dear Ms. Benes,

After four hours of searching texts, the enclosed and the information below is all we have been able to find. I hope other institutions have been able to provide more help than Drake Well has. The following entries at least provide dates which could be examined in the newspapers of the era for additional information. There were no entries for the Eclipse Refinery.

Derrick's Handbook of Petroleum (Oil City: Derrick Publ. Co., 1898), p. 547 1892 June 9, fire at Acme Refinery, an employee burned to death. Loss \$50,000

Derrick's Handbook of Petroleum v.II (1900), p. 393 1882 July 27, A tank and 23,000 bbls. of benzine burned at the Acme refinery, Olean, having been struck by lightning.

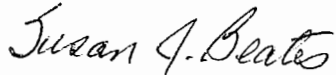
p. 49 1899 Jan. 22 Fire at Acme Oil Refinery, Olean, destroys several tanks and stills and 15 cars, entailing a loss of \$50,000.

The Petroleum Age (Bradford) 1886 contains a full page ad for the Acme Oil Company manufacturers of the Crown Acme Oil – “Best Illuminator in the World”, Works at Olean, NY and Titusville, PA, main office, 26 Broadway, NY (Standard Oil) so they made kerosene there. In the October, 1885 issue, p. 1121, there's a detailed description of the company “of Titusville” but it mentions the Olean works. Their illuminating oil (kerosene) supplied the domestic market. “It would be difficult to call for any product of petroleum that the Acme Oil Company does not manufacture or supply to its trade including refined oils of all grades-naphthas, crude, redistilled and deodorized, gasolines and lubricating oils, including cylinder oils of the following brands: “Capital,” “Omega,” “Model,” “Eclipse,” “Valve” and “Matchless”, the world-renowned “Eldorado” engine oil, wool, spindle, miners’ sewing-machine, rubbing, harness, screw-cutting, torch, neutral, signal, paraffine and black oils; white paraffine wax, opaline, hoof ointment (petrolatum) and mica axle grease.”

Pipelines led to and from every refinery by the 1880s. The United Pipe Lines dominated the Olean area field and had a huge tank farm outside of town. The United Pipelines eventually became part of National Transit.

Your company may pay by credit card or check made payable to: The Friends of Drake Well, Inc. I wish you good luck on your project.

Sincerely,

A handwritten signature in cursive script that reads "Susan J. Beates". The ink is dark and the signature is fluid.

Susan J. Beates
Historian/Curator II

Appendix G

Manuscript of an Olean

Refinery Tour Written Circa

1952

Olean Refinery is one of sixteen refineries of the Socony-Vacuum Oil Company, Incorporated which are engaged in the manufacture of finished petroleum products from crude oil. We are one of the medium sized refineries of the Company. It is interesting to know that an integrated company is one which participates in every phase of the industry from securing the raw materials to the sale of the finished product to the consumer.

Functionally, the oil industry is divided into five major divisions, namely Research, Production, Transportation, Marketing and Manufacturing. Our Company engages in each of these activities. Of these divisions we are especially interested in the manufacturing as it concerns each of us. The major petroleum products are vapor gas, gasoline, kerosene, fuel oils, lubricating oils, wax, greases and asphalts which are produced in one or another of the sixteen plants. Socony-Vacuum's two major products, gasolines and motor oils, are marketed under the names of Mobilgas and Mobiloil. Socony-Vacuum trademarks, the Flying Red Horse and the Gargoyle, are two of the best known in the world. The Flying Red Horse is the Pegasus of Greek mythology. The Gargoyle is the symbol of the triumph of good over evil.

The Olean Refinery began to process oil about seventy-six years ago. The present Olean Refinery is a consolidation of two refineries built in the oil boom days of the Pennsylvania and New York State oil fields and was started approximately twenty years after the discovery in 1859 of the now famous Drake well near Titusville, Penna.

The portion of the Refinery now known as #1 Works was started in 1876 by Wing, Wilbur & Company of Franklin, Pennsylvania and was named the Eclipse Lubricating Oil Co., Ltd. The portion of the Refinery known as #2 and #3 Works was started by Wing, Wilbur & Company of Franklin, Penna. in 1877. In 1878 the property was purchased by the Acme Oil Company of New York which was an affiliate of the Standard Oil Company. In 1902 the Acme Works was consolidated with the Vacuum Oil Company and was operated under the name of the Vacuum Oil Company, which name was held until the consolidation with the Standard Oil Company of New York and in 1931 became a part of the present Socony-Vacuum Oil Company of New York.

CRUDE PIPE STILL

The Crude Pipe Still is the primary or first distillation process of the crude oil as it is received in the refinery. Here we see the several components as the crude oil is processed in the unit. (With the exception of the cylinder stocks and gases, you will see them in the look boxes as they are produced). The look boxes afford the Stillman the opportunity to observe the color and volume of the products as they are separated from the crude oil in the towers of the still. We process through this still, which was built in 1928, only 100% Pennsylvania Crude Oil for which this unit was primarily built and no crude other than Pennsylvania has ever been run in this Crude Still.

SOLVENT TREATING PLANT

The Solvent Treating Plant was completed in 1934. There have been several modifications and changes since that time, the changes dealing primarily with the type of solvents used to remove the tar and sludge from the base stocks, and the installation of new equipment to increase production. This unit is one of the many important processing operations in the manufacture of petroleum products.

#2 WORKS

#2 Works now consists of bulk oil loading, treating, and storage departments. The distillate that you observed at the Crude Pipe Still is treated in the continuous agitators and the finished product is known as Mobil Kerosene and Diesel Fuels. Here we also blend to proper specifications the household fuel oil that you may use in heating your home. The other storage tanks contain raw and finished products, others awaiting shipment or further processing.

CENTRAL BOILER HOUSE

The Central Boiler House provides air, steam, and electric power for the refinery. The latest additions were completed in 1932, and since that time it has been considered one of the better equipped power houses in this area. It contains seven 800 horse-power boilers operating at 215 pounds pressure and three electric generators with a total capacity of 3300 kilowatts.

CAFETERIA

The Cafeteria provides noon-day lunches for all who wish to use this facility. The meals are well prepared and are served at below cost to the employees of the refinery.

CENTRAL SHOPS

The Central Shops service the various units of the Refinery and house the Tool Room, Carpenter, Machine, Welding, Boiler, Blacksmith and Electrical Shops. Here you see the various types of work in progress and stages of completion.

B-K PLANT

The Benzol-Ketone dewaxing plant was completed in 1936. Here we remove wax and petrolatum from the base stocks and oil solutions. The household wax you may purchase at your local stores could have been produced at this unit. The modern oil you use in your auto has to meet severe climatic changes. It is at this unit we remove the wax to meet cold test specifications.

#1 DISTILLATION DEPARTMENT

When you approach the Distillation Department of #1 Works you will hear the roaring of the fires in the furnaces which assures you that one of the many products produced is now in the making. Normally we fractionate distillate and oil-naphtha solutions through these units.

LABORATORY

The Works Laboratory personnel inspect samples of all products produced in the refinery. Here we may see several of the tests as they are being conducted. This work is very exacting and requires constant observation as it is here we control the product from the raw to the finished state.

SPECIALTY DEPARTMENT

Our Refinery of today has seen several changes over the years, several buildings and tanks have been dismantled to make way for new and modern improvements. #1 Works has the addition of the Specialty Department where you will see the filling and packaging of several products familiar to all of you. Possibly today there will be filling of Mobil Radiator Flush, Mobil Hydrotone, Mobilgloss, Sova-Suds, or other products that you have used in your home or your car.

PACKAGE DEPARTMENT

The Package and Filling Department has been revised and several modern improvements such as the automatic weighing scales, barrel conveyors, filling machines, and larger loading platforms have been installed. It is in this department that the compounding and blending procedures are carried out, and the base stocks and chemicals are mixed according to formula. After examination and approval by the laboratory the finished product is filled. The filling may be either in tank car lots or in containers ranging in size from 1 qt. cans to 50 gallon drums or barrels. Here we also have the rail service which removes and replaces the tank and box cars. The products shipped from this department bear the famous trademarks of Socony-Vacuum and are shipped to points all over the world.

FILTER DEPARTMENT

The Filter Department has been enlarged to meet the demands of production through technological changes. It is in this department we decolorize the oil by use of a filtering process. The filter clay that has been used is reactivated by a burning process, removing the impurities collected during the filtering operation and returned to bins for reuse in filters. The same clay may be used for 25 to 30 times before discarding. The filter clay used in this process is a special type of clay brought in from Florida or Arkansas and would resemble sand from our local sources.

During your tour of Socony-Vacuum Oil Company's Olean Refinery we have tried to show you some of the operations that are performed within our gates that you may better understand how your family plays an important part in the operation of our refinery.

Appendix H

Untitled Two Page Document

Dated August 23, 1944

The Olean Refinery dates back to 1878. The then Standard Oil Company erecting a refinery on the site now know as No. 2 Works. Later, The Eclipse Oil Company erected a similar refinery on the site now known as No. 1 Works. In 1891 the Vacuum Oil Company purchased the Eclipse Oil Company, and continued to operate the Olean Plant under the name of the Vacuum Oil Company.

In the meantime the Standard Oil Company had acquired ownership of the Vacuum Oil Company, and in 1911, by a decision of Judge Kenesaw M. Landis, the Standard Oil Company was dissolved. The Vacuum Oil Company again became a separate company operating both plants of the Olean Refinery and continued as a separate company until the merger with the Standard Oil Company of New York in 1931.

This refinery originally operated with the various crudes - Lima Crude with its high sulphur, necessitating a sweetening process, one part of the Works today still carries the name of Sweeteners, then the Mid-Continent Crudes with its asphalt base requiring an acid treat and the tar and pitch stills to handle this base stock, and finally the Pennsylvania Crude with its paraffine base. The entire plant was converted to Pennsylvania Crude operation in 1927 when a modern continuous two stage pipe still was erected. With the advent of this method of refining all batch or shell stills became obsolete. This one unit had a rated capacity of 6600 barrels per day.

Just previous to this installation "cracking" was introduced to the refinery process, and in 1924 an Ellis Cracking Still was erected, followed immediately in 1925 with a second unit which was a Cross, and a second Cross Unit was erected one year later in 1926. These three units continued to operate until the development of Catalytic Cracking and the Houdry Process.

In 1927 a P-Oil reducing still was erected with a rated capacity of 1100 barrels per day, and in 1929 a Solution Reducing Still was erected with a rated capacity of 2500 barrels per day.

In 1921 certain operations were added to the Olean Refinery that had been handled in the Rochester Refinery of the Company. The Percolation Filter Plant, with its clay handling, burning and storing facilities was installed, and with this was added a Compounding, Filling and Shipping Department. In 1929 the Filter Department capacity was increased 100%.

In 1936, with the introduction of Solvent-Dewaxing, a three filter Benzol Acetone Dewaxing Plant was erected replacing an eleven chiller and wax press installation.

The Olean Refinery today produces the high quality lubricating oils required in airplane and automobile engines, steam turbines, and all types of steam engines, the greases used in the treatment of leathers, the waxes used in the treatment of fabrics for tent and tarpaulin manufacture and the many Specialty Products used by the armed forces as well as every household.

One hundred and five employees of this refinery have answered the call of their Country. Two have thus far made the supreme sacrifice.

in 1922 this Company realizing the importance of obtaining Pennsylvania Crude Oil installed a Crude Oil Gathering System in the Bradford Field with gathering districts in Duke Center and Indian Creek. These districts pump direct to the refinery. The Company owns and maintains approximately 36½ miles of gathering lines in the two districts.

8/23/44

Appendix I

Excerpts From Four Sovoc-

tivities Newsletters, Early

1950's.

OCT 15 1935

FILES

Sovac-tivities

three

The Olean Refinery



Pennsylvania Railroad Shops on the south. This triangular piece extends west as far as the present boiler house.

In our plan to eliminate surplus buildings, etc. some of the tanks and buildings now standing at No. 2 Works will be dismantled, and we thought this an opportune time to outline some of the previous equipment installed at No. 2 Works and orient it with reference to equipment which is still in place and which may soon disappear.

The large brick building at No. 2 Works which was used during the war years by the Hydrocarbon Research people was originally No. 2 Works Boiler House and housed ten handfired Geary water tube boilers of 200 and 300 HP. To the south end of this building was attached a large pump house in which were located boiler feed pumps, air compressors, and other miscellaneous equipment, and immediately south of this pump room was an ell-shaped wing extending to the east, the western portion of which housed No. 2 Works pipe shop, and the eastern portion of this—somewhat offset to the north—housed No. 2 Works machine shop, which was in charge of C. Elmer Beardsley who was later transferred to the Central Shops to succeed William Kershner. The pipe shop was in charge of Jim Ward, and later Andy Fitzpatrick.

The wooden frame metal-covered building south of the present No. 2 Works foam building was used as a boiler shop to serve No. 2 and No. 3 Works, which you will recall from our previous history of the plant was operated by the Standard Oil Company while No. 1 Works, tho owned by Standard from 1879 to 1911, was operated by the Vacuum Oil Company. In this shop were handled all the repairs for the shell stills, con-

four

Sovac-tivities

densers, etc. for the chief work of the boiler makers in those days consisted of the building and maintenance of storage tanks, condenser boxes, and the replacement of still bottoms which was almost a continuous operation thruout the plant. This shop was for many years under the supervision of Bill Glavin, who retired in 1930. In the southwest corner of this boiler shop a room was partitioned off for the No. 2 Works carpenter shop, and was in charge of Ed Barten.

A short distance west of the old No. 2 Works Boiler House was located a very long shed starting almost at the edge of the present main No. 2 Works plant road and extending nearly to the present lime building. This housed the shell stills, of which there were ten 12 ft. in diameter and 30 ft. long, and fifteen 12 ft. in diameter and 32 ft. long, and on the south end of the main still house was the enclosure containing four 8 ft. in diameter by 16 ft. long sludge stills.

The shell stills at No. 2 Works were used for running crude and also in rerunning many stocks, as it was necessary in the shell still days to re-run many of the cuts from crude. Wax distillate, for example, was always re-run, the expression used to describe the operation being called "cracking" the wax distillate. This, however, was not an actual cracking but a further re-distillation to increase the accuracy of the fractionation and improve the pressability of the wax distillate.

It was also impossible with the regular shell stills to cut the front ends of the crude correctly. The product known as Stove Distillate was made, containing most of the kerosene and gasoline. This product was re-run in steam stills where the source of heat was steam and it was possible to better control fractionation as there was less chance of over-heating.

In the original shell still operation the instrumentation was practically zero. Some of the shell stills had thermometer wells into which a mercury thermometer could be placed if any one was sufficiently interested in the temperature in the stills. Most of the controlling of the still was done by watching the gravity of the overhead stream coming into the running room from the stills, and adjusting the quantity of coal used and the draft. It was not until 1916 that the stills thruout the plant were finally equipped with recording chart thermometers. These were of rather inferior quality and not too dependable as the recording thermometer had not been perfected to its present point.

West of the south end of the group of twenty-five shell stills was located a battery of seven steam stills of varying size and design, all of

Sovac-tivities

five

which were used to rerun Stove Distillate and make straight run gasoline and kerosene. Two of these were 12 ft. in diameter and 30 ft. long, one was 13 ft. in diameter and 50 ft. long, and four were 13 ft. in diameter and 40 ft. long. Installed on some of these stills were fractionating towers which were among the first attempts to improve the overhead product from a shell still. These towers were about 3 ft. in diameter and 20 to 30 ft. high, and were packed with coarse river gravel or small stones. The installation of these towers did actually improve fractionation, probably because of their heat retention and smoothing out of surges in the product leaving the top of the still.

Some of the stills on the south end of the main still battery were equipped with what was probably the grand-daddy of the present heat exchanger. These were large steel shells supported on top of the condenser boxes which at that time were steel, and in these tanks or shells was installed a considerable quantity of cast iron pipe. The crude entering the stills was pumped thru the pipes into these shell stills, and the shells themselves were cut into the vapor line before it entered the condenser box. These Vorwarmers were brought from Germany, and it is our understanding that they were introduced by George W. Hooker about 1902 when he was superintendent of the No. 2 Works plant.

The condensers on the shell stills and also on the steam stills were generally a continuous worm of pipe starting out at 10 or 12 inches, and eventually reducing to 3 or 4 inches by the time the material was condensed and cooled and ready to leave the condenser. The original condensers consisted of shallow wooden boxes containing the coils and were supported on elevated platforms or structures, as visible on the south end of the stills in the picture showing No. 2 Works entrance in the last issue of "Sovac-tivities." The reason for elevating the condensers was to permit the discharge of the condensers to flow to the running room, or tail house as it was called in those days, and then after flowing thru the look-box, passed on to the storage tanks. By mounting the condenser boxes in this manner a gravity flow was secured from the time the petroleum product left the condenser box until it entered the run tank, which even tho they were fairly small, required the elevation of the condensers to obtain any reasonable capacity in the shell height which would be permitted in the rundown tank.

There was also in use at that time a circular condenser box made of wrought iron which in most cases rested directly on the ground. These had a wooden tongue and groove floor about 2 inches thick which was

Front Row: Leon Rowe; Not Known; Bat Dempsey; Not Known; Neal Dempsey; Pat Shea; Joe Reed; Not Known; Not Known.
Back Row: Pete Gilbert; J. F. Turner; Sullivan; Mike Cashmere; Jim Kane; Clint Service; Not Known; Jim Ward; George Hannigan

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One of these old circular condensers is shown being dismantled in the picture on the opposite page. Part of the tank shell is still visible on the right hand side of the picture where a portion of the shell is still standing. This picture was taken in March of 1913.

About 1913 to 1916 all the old condenser boxes were replaced with modern steel condenser boxes erected on concrete or brick piers about ten feet high. The height as in the earlier condensers was necessary to permit the product to gravity thru the running room and into the run tanks.

Immediately west of about the center of the battery of twenty-five shell stills is located No. 2 Works Pump House. The major portion of this building is still standing, and some of the old pumps are still in place. It was customary during the period when this pump house was built to use vertical triplex pumps for practically all transfers, these in turn being generally driven by a steam engine. The pumps were connected to the line shaft with friction clutches driving either gears or silent chain. The line shaft in this pump house was driven by a 150 HP Skinner steam engine originally located at the east end of the shaft and housed in a lean-to. The engine itself was also connected to the line shaft thru a friction clutch.

About 1935 the engine was removed and a 100 HP motor installed on the west end of this shaft. The need of this pump house and the number of pumps in it has decreased considerably over the original installation which was in use when the shell and steam stills referred to above were in operation. After the crude still was built at No. 3 Works the shell and steam stills were dismantled, and many other changes were made at No. 2 Works, such as the discontinuance of the sludge stills, the mechanical shops, etc.

The lean-to on the north side of the pump house was built primarily to house the gauger's office and the electric light plant which was installed

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Sovac-tivities

in 1913. Previous to the installation of this lighting system what few lights and motors existing in the refinery were direct current, and produced by a belted D. C. generator driven from the line shaft in the Wax Works at No. 1 Works. For an oil refinery the use of direct current is of course extremely hazardous, and lines were too long for the low voltages used in transmission. It was decided to convert the refinery to alternating current and distribute this current from No. 2 Works Pump House generators under ground in lead covered cables at 2200 volts to sub-stations around the plant where it could be transformed to 220 and 110 volts for use in motors, lights, etc.

Twenty-five cycle current was selected because the City of Olean at that time was on 25 cycle and some of the electricity used at the refinery came from City lines from Niagara Falls and the refinery had a tie-in connection with the City's electric light plant.

The original generators consisted of two 187½ KVA 2200 volt Westinghouse marine type gear driven steam turbine units. The turbines operated at 6000 RPM and this speed was reduced to 750 RPM thru reduction gears. The switching was all done with oil switches which were installed on the switchboard also located in the lean-to housing the turbines. As the electric load grew it was found necessary in 1920 to install an additional turbo-generator of 300 KW. This was a Kerr-Allis geared unit with a turbine speed of 3600 RPM.

(To be continued)



GREEN — ATTOLINI

On April 22nd Miss Julia Attolini and Robert Green were married in St. Mary of the Angels Church of Olean. Mrs. Stewart Loper, sister of the bride, was matron of honor, and John Green was his brother's best man. Bob comes from Portville, is a veteran of World War II—having served in the European Theatre, and for the past five years has been employed in the Olean Refinery's Power House. To Bob and his bride we all extend best wishes for a happy married life.



Oct 10 1950

SOVAC-TIVITIES
Sept.-Oct. 1950

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Sovac-tivities

The Olean Refinery

(Continued from previous issues)

THE CENTRAL BOILER HOUSE

The site at the junction of Number 1 and Number 2 Works was selected for the Boiler House because it was near the center of the load for the refinery, and for this reason required the minimum expenditure for distribution lines.

The boiler house was originally planned for eight boilers arranged with four on each side of a center firing aisle. Provisions were also included for a power wing which was planned for the electrical equipment, electrical switching and bus facilities, and auxiliary equipment such as air compressors, frequency changers, etc. on the ground floor. The second floor was designed for the turbo-generators and control switchboard as the refinery has practically always, except for short periods, produced all the electricity which it has used.

This plant was built in two steps. The original construction consisted of the space now occupied by Boilers Number 1, Number 2 and Number 3, and that portion of the coal bin necessary for these three boilers. At that time the north smoke stack was built and a portion of the coal and ash handling machinery was installed. The east crusher and its elevator were installed in connection with the initial unit. At the same time the original concrete ash bin, later replaced, was also installed. The west and south ends of the building were closed with temporary walls and there was of course no power wing. This part of the central boiler house was completed in 1922.

In anticipation of the building of the first unit of the central boiler house, a large steam boiler was installed some years before in the old hand-fired boiler house at Number 1 Works and fired with hand stokers known as Files. The boiler was selected of such design that it could later be moved to the central boiler house, and provision was made in the construction of the boiler to later install a superheater.

The large Babcock and Wilcox boiler installed at Number 1 Works was moved to the central boiler house as soon as boilers number 1 and number 2 were completed and on stream. The boiler house operated

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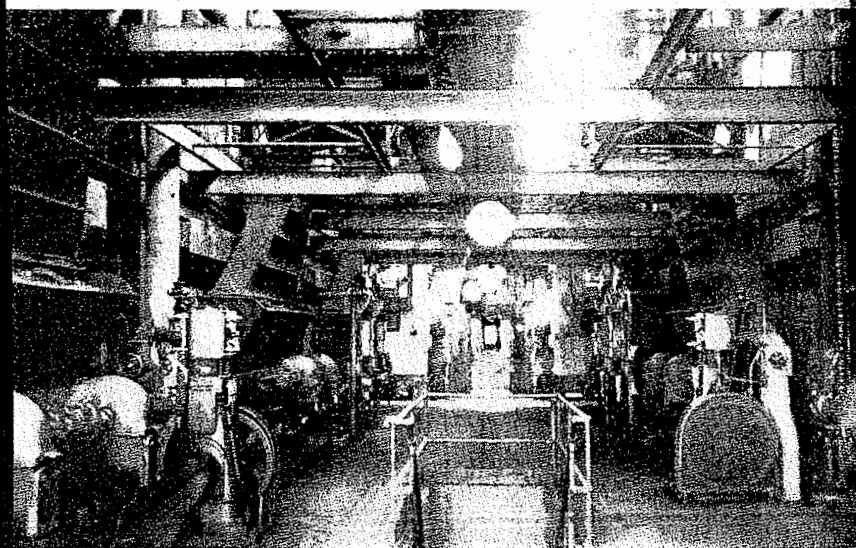
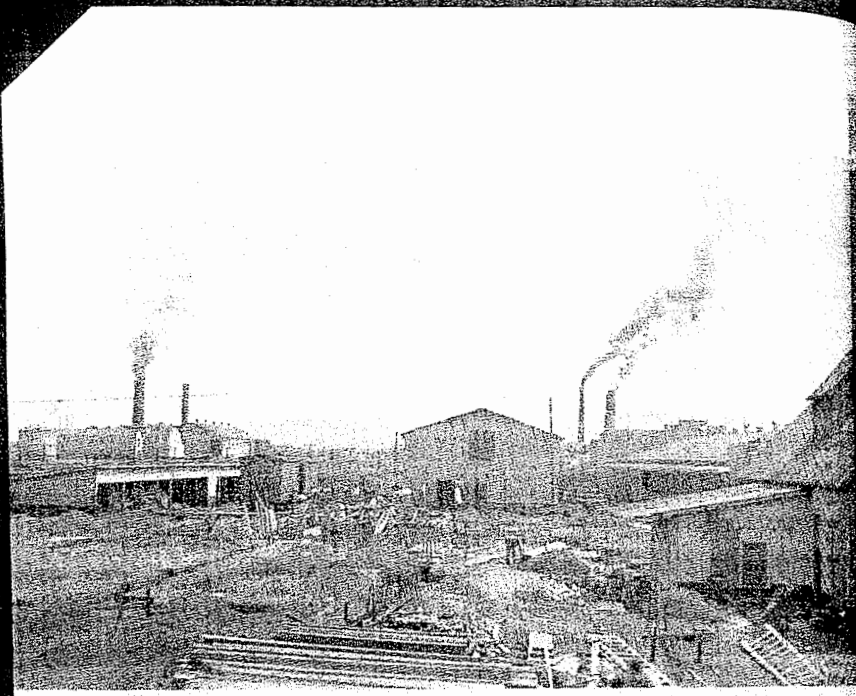
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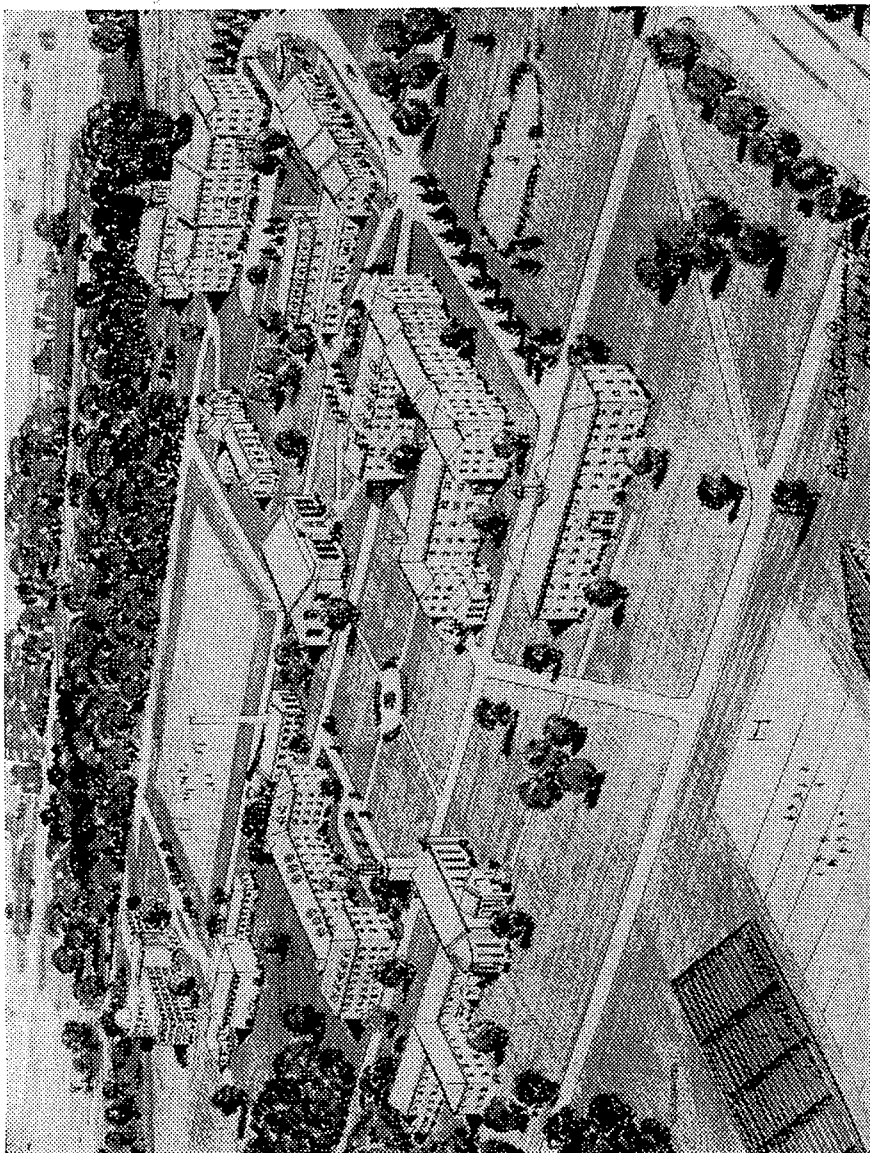
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The top picture shows the site of the present Central Boiler House. In our last article we referred to the sand shed used for cleaning cars. This is shown on the right in the top picture. In the center background can be seen the horse barn, and on the left side is the wagon shed. The bottom picture shows the firing floor in the Central Boiler House.



This is the way St. Bonaventure University will look when the building program has been completed.

twenty

Sovac-tivities

with these three boilers, serving only a portion of the plant, until 1924 when the boiler house was enlarged and the four boilers on the south side of the firing aisle, and the south stack and the power wing were added. At that time the boiler plant was extended westward to permit the installation of the present number 8 boiler and a space left for the possible later installation of a number 4 boiler. The second unit of the coal handling equipment was then added, consisting of a crusher under the north coal track, and the canopy over the tracks was built.

It might be of interest to mention some of the outstanding features of the original installation compared with what the refinery had in use previously. At the time this central boiler house was started there were 22 steam boilers in the refinery, seven at Number 1 Works, ten at Number 2 and five at Number 3 Works. All of the boilers were hand fired with Files stokers and the largest were 300 HP Geary boilers. All the boilers were of the water-tube type and there were two small boilers of 165 HP Babcock and Wilcox design at Number 1 Works.

The steam pressures employed in the plant at that time were 100 pounds for the high pressure steam and 50 pounds for the low pressure steam, low pressure steam being used almost exclusively for the purpose of blowing in the shell stills.

The boilers in the central boiler house are rated at 803 HP and there are 5621 boiler horsepower in boilers installed in the plant.

There was considerable hesitation at the time previous to the construction of the central boiler house concerning the continuity of service which could be expected, as previous experience had shown that occasionally an entire boiler house might have to come down to change a valve or for some similar change, necessitating shutting down that part of the plant. Due to the small size of each of the three old boiler houses and the fact that the load on each was quite large compared with the installed boiler horsepower, the steam in the plant was seldom up to pressure. Since the installation of the central boiler house there has never been a time when the pressure thruout the entire plant has not been up to normal except during an emergency when it was necessary to change the drums on the boilers. Since the central boiler house was started in 1922 there has never been a failure of high pressure steam in the plant due to any cause whatsoever except in the emergency mentioned above, when pressure was lowered temporarily but did not fail.

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SOVAC-TIVITIES Sept.-Oct. 1950

Sovac-tivities

Twenty-one

The necessity of changing the boiler drums was brought about by the discovery of caustic embrittlement in the riveted drums on these boilers. Caustic embrittlement is a phenomenon of high pressure steam generation and is not met with at the low pressures originally employed in the plant—in fact it is very unusual except where feed water conditions and treatment are such that this deterioration in the steel takes place. It was necessary when the drums were changed to bring in some locomotives and distribute them around the plant, and to reduce the maximum distribution pressure to 125 pounds. After the new drums were installed, the plant pressure was raised from 175 which was the original pressure, to 200 pounds. The steam is distributed about the plant in 8 inch lines, all of which are installed so that they operate as loops, and there has never been a failure in any of the high pressure steam lines, as they are arranged with sectionalizing valves so that the replacement or repair of valves etc. is possible at any place in the high pressure steam system.

The steam for the refinery use is reduced at Number 1, Number 2 and Number 3 Works to 125 pounds. Charts recording the reduced pressure show the pressure to be so steady that one would almost think they had been drawn with a compass or that the recording gauge was not working.

The coal bin which extends over the length of the boiler house is 100 feet long and will hold ten tons for each foot of coal bin, or a total of 1000 tons. The coal bin is served by two crushers and two elevators, and a distributing conveyor over the top of the coal bunker.

The boilers are all fired by seven retort Westinghouse underfed stokers driven normally by electric motors, but so arranged that in case of failure of electricity any or all boilers can be run by steam from emergency steam engines. The two stacks are each 215 feet high and 12 feet in diameter at the top.

Like the distribution system in the plant, the steam headers, high and low pressure water headers and all similar piping in power house are arranged in the form of loops so that any portion of the system can be worked on without interfering with the operation of the steam plant.

The air required for burning the coal on the stokers is supplied by motor and steam turbine driven fans, and the air can be taken from the ceiling of the power plant to improve the operating conditions in the power plant and to conserve coal required to heat the air needed for combustion.

The electrical generating plant consists of three steam turbine driven

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Sovac-tivities

The Olean Refinery

(Continued from previous issues)

THE CENTRAL SHOPS

The Vacuum Oil Company for a number of years repaired its own tank cars, and for this purpose a large brick building with steel roof was built. The building is adjacent to the site for the Central Power House which was shown in a picture in the last issue of SOVAC-TIVITIES, and the sand shed shown in this view was a part of the tank car repair effort described in one of our previous issues.

The tank car repairing was taken over by the Union Tank Car Company about 1913, who continued the activity in this building until 1921 when they decided to erect a building of their own on land leased from us and from the Pennsylvania Railroad in 1916. The entire effort of the Union Tank Car Company in Olean was discontinued this year due to changes in requirements for tank cars in the various areas thruout the nation and their buildings here have been dismantled, and tank car storage tracks removed.

The building built by our Company to repair tank cars originally consisted of a building approximately 260 feet x 70 feet built in 1911, and with a lean-to, 37 feet x 200 feet added in 1912, and there were three railroad tracks thru the building so that cars to be repaired could be brought in from either end, and three lines of cars could be worked on simultaneously. The repair shops, storehouse and tool room in connection with the effort when the building was in use as a tank car repair shop were in the lean-to on the north side of the main building, and in the eastern end of this lean-to was located the office. The Union Tank Car Company shops were in charge of Mr. H. O. Bonhoff for many years, and his assistant was Glenn Gault, who became head of the shops upon the retirement of Mr. Bonhoff. After Glenn Gault's death in April 1947, R. L. Chittenden took over the management of the local shops, which position he held until the shops were dismantled this year.

With this large building made available to the refinery, it was decided to start consolidating the shops and eliminate the various separate ones

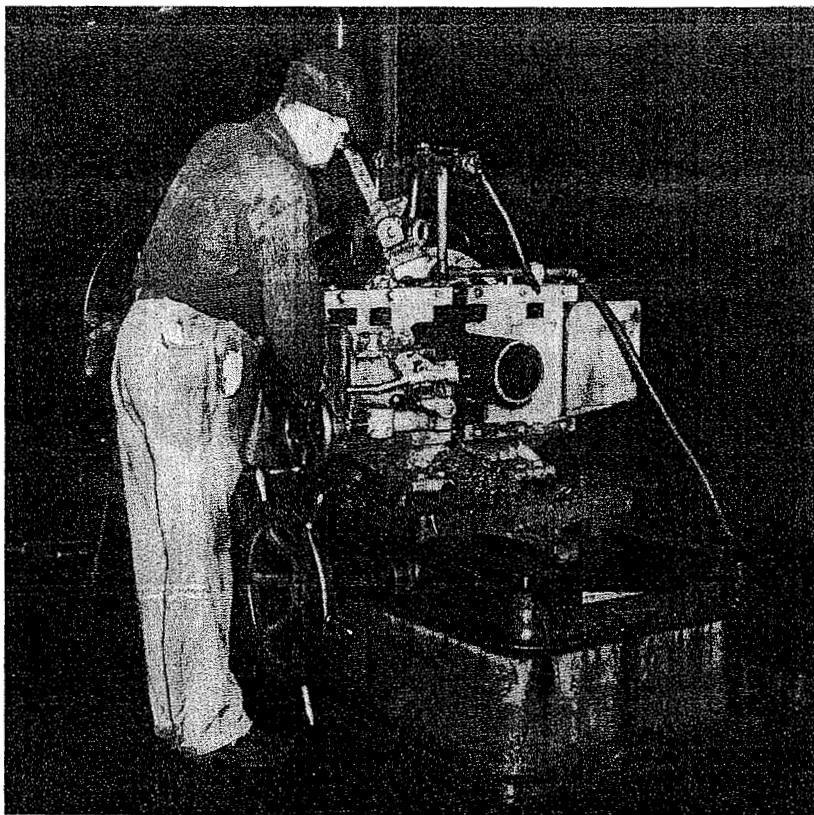
MACHINE SHOP—General view looking southeast from foreman's gallery. Pipe Shop and Carpenter Shop in the background. →

twelve

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thruout the plant, starting with the boiler shops due to their large floor space requirement. There was at this time at No. 1 Works a carpenter shop in charge of Tom Olson (father of King and Tom Olson); a boiler shop in charge of John Degnan (father of our present John Degnan); a machine shop in charge of J. W. Kershner; a pipe shop with Homer Parker in charge.

At No. 2 Works there was a similar set-up, the machine shop there being in charge of Elmer Beardsley; a carpenter shop headed by Edward Barten; a boiler shop in charge of William Glavin; and a pipe shop with Andrew Fitzpatrick in charge.



PIPE SHOP—Ed Noonan cutting off a piece of pipe preparatory to cutting the thread on the 6-inch pipe machine.

Sovac-tivities

At No. 3 Works there was a similar
was no boiler shop, but there was
lead shop.

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At No. 3 Works there was a similar arrangement, except that there was no boiler shop, but there was a carpenter shop, a pipe shop, and a lead shop.

The shops at No. 1 Works were in the building now housing the laboratory, but there were some small buildings in which certain of the tools were installed which could not be placed in the shops. Practically all of the employees will remember the garage between the main office and the laboratory, which was originally the shelter for the cold saw, the bulldozer and similar equipment.

In moving the various departments to the new location it was decided where possible to eliminate as much of the belting, counter-shaft, etc. as possible and use direct drive. This plan was carried out in installing the boiler shop and relocating No. 1 Machine Shop in No. 1 Boiler Shop, No. 1 Carpenter Shop, and in several other cases where the adaptation of the machinery to motor drive was feasible with reasonable expenditure.

A wall was put in the middle of the main shop building to separate the boiler shop from the east half of the shop then used for cooperage storage to insure cleanliness. In 1924 it was decided to relocate all the remaining shops thruout the refinery. The carpentry shops were located in the east end of the main building. The drive belts and counter shafts for the carpenter shop machinery in the new centralized location were installed in trenches in the floor.

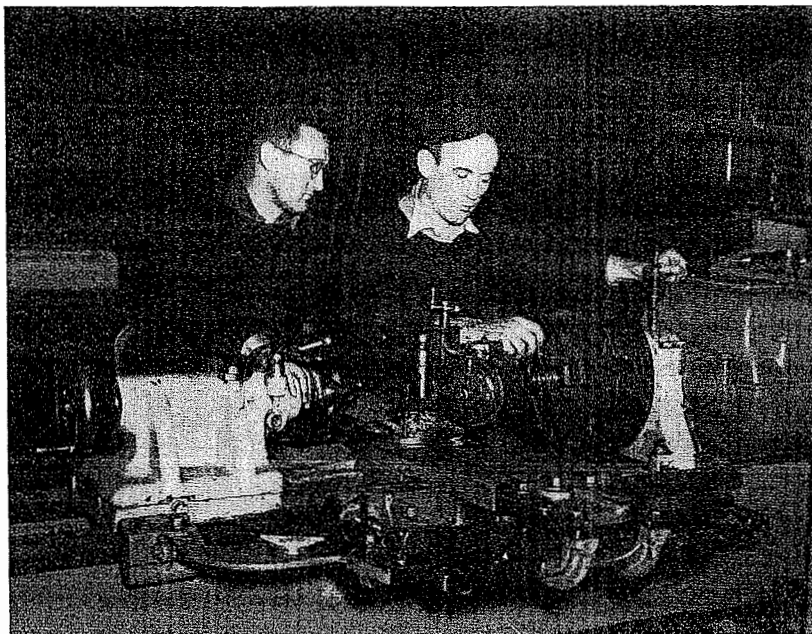
The section west of the carpenter shop was planned for the pipe shop. Most of the pipe shop machinery did not lend itself to direct drive, so that in this installation most of the pipe machines were driven by overhead counter shafts, which were gradually eliminated as new machines were purchased by arranging these for direct motor drive.

The space between the pipe shop and the east wall of the boiler shop was allocated to the machine shop. The best of the machines from the various shops were retained, a few new ones purchased, and because of the nature of most of the machine shop tools, which required variable speed obtained by using stepped cone pulleys, the belts in this department were retained. As new machinery was purchased for the machine shop, however, where possible direct motor drive has been installed.

The machine and pipe shops are served by a mono-rail system. with necessary switches, so that heavy parts, etc. can be transferred between

ps due to their large floor space
No. 3 Works a carpenter shop in
a boiler shop in

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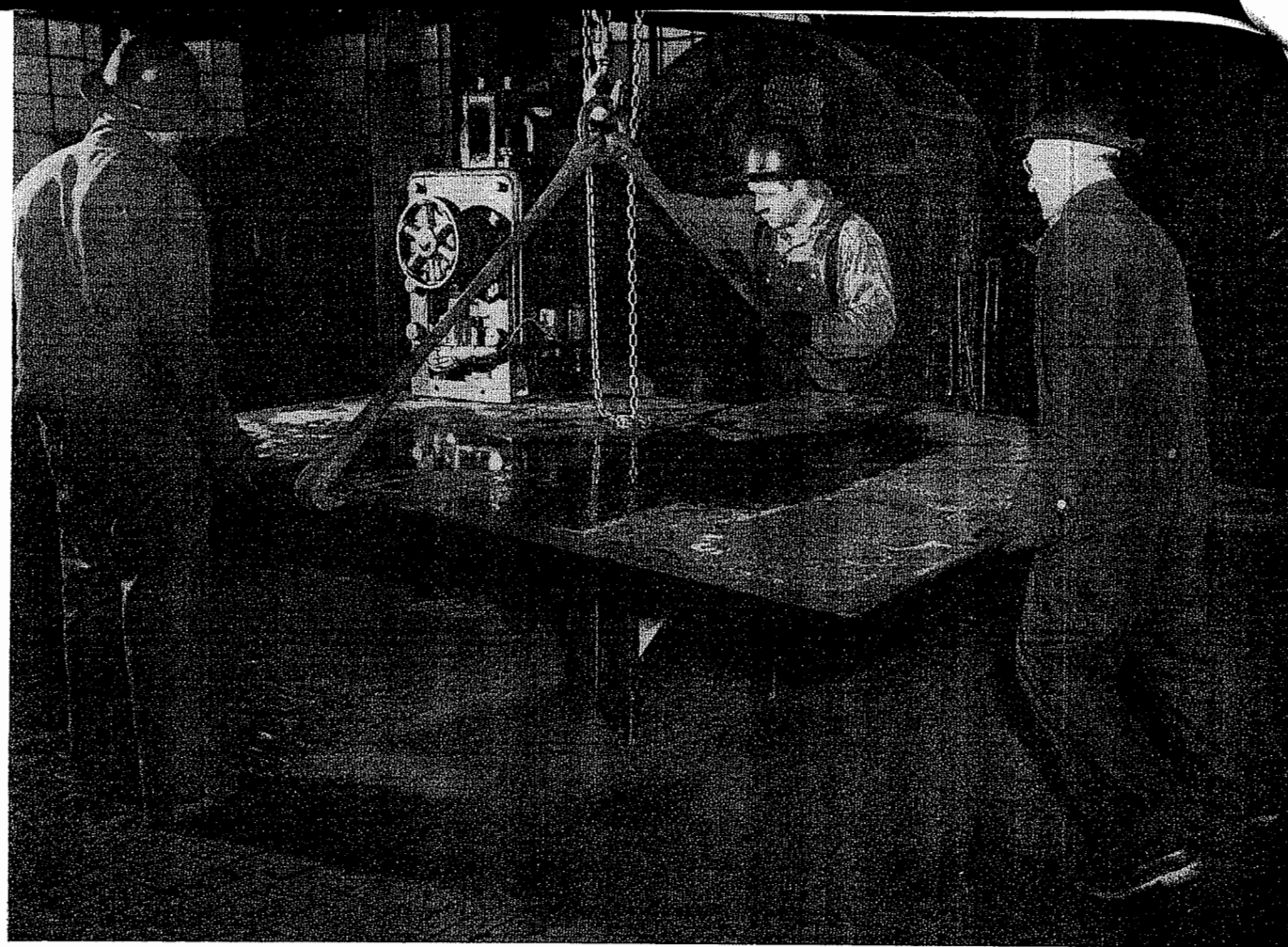


MACHINE SHOP—James Marron showing Raymond Woods how he grinds off a collar on one of our more recent mechanical gear change lathes.

shops, and this is also set up so that pipe, pumps, and other material can be delivered out-of-doors and loaded onto trucks, and also can serve the pipe rack located just south of the present pipe shop south door.

When the equipment used in the boiler shop was installed at No. 1 and No. 2 Works, and most of the equipment which is there now was originally in these locations, it was all belt driven. This, however, was very unsatisfactory, and resulted in reduced production and high maintenance costs. It was decided to motorize all of the boiler shop machinery and convert it to gear drive. Practically all of the boiler shop machinery is driven by bakelite silent gears which have been in continuous operation without failure since 1917.

BOILER SHOP—Don Ward, Pete Firos and Charles Schifley shearing heavy steel plate on motor driven shear. Machine can also be converted to punch holes in heavy plate by removing shear parts and substituting punch and die. →



Most of the machinery in the boiler shop, such as the shears, punches, flange punch, bulldozer, and similar equipment, is driven by constant speed motors. Because of the nature of the load on the bevel shear and the plate rolls, these two machines are operated by slip ring variable speed motors with reversing drum type controllers. For handling the work on the various machines, jib cranes have been installed for each machine, as the mono-rail system would not be sufficiently versatile to serve the equipment because of the tremendous variation in the type of material being handled, such as I-beams, plates, dished heads, etc.

The boiler shop is rather large for present needs; however, at the time it was planned the refinery built practically all its own tanks and vessels, and also all structural steel work was fabricated and erected by our own crews. Due to the tremendous surplus of tanks in Olean in the early days when the requirements for crude oil storage were reduced, many tanks were cut down, rivet holes sheared off, sheets repunched, and tanks re-erected in the refinery or at other plants of the Vacuum Oil Company.

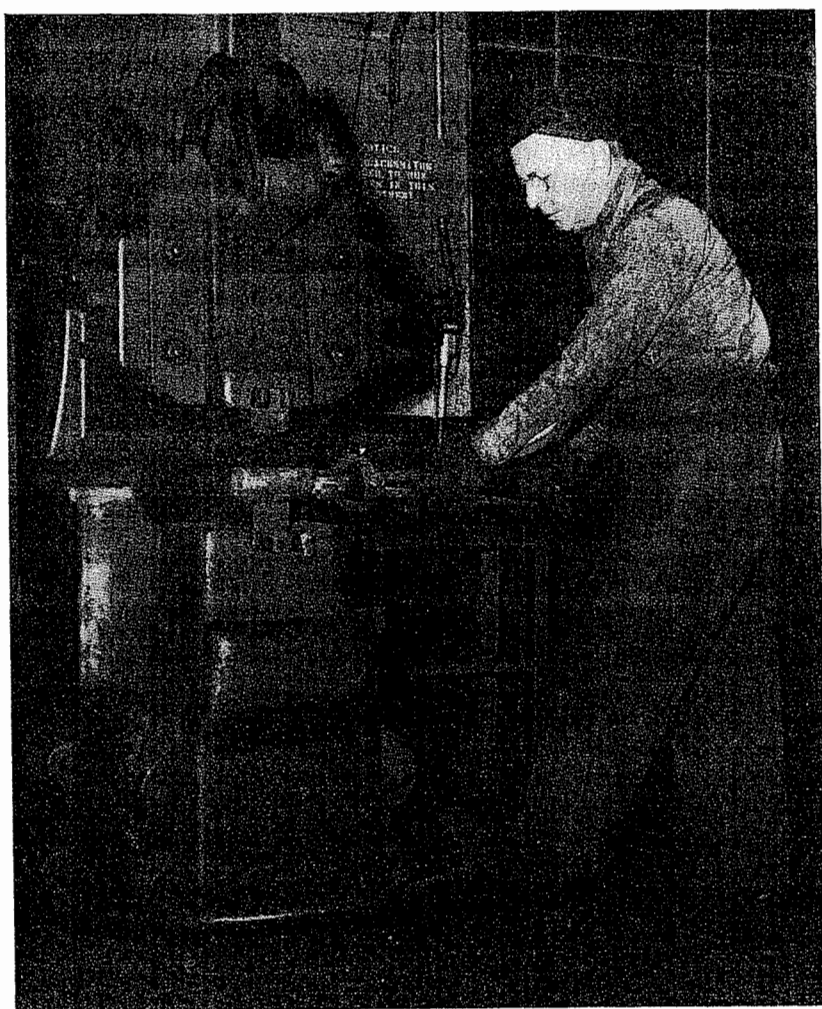
At the west end of the boiler shop an erecting yard was set aside out-of-doors, served by a Gantry crane which could serve not only the equipment being erected, but also serve the plate storage racks to permit safe and efficient removal of the plates from the storage yard to the shops for fabrication, or remove material from freight cars.

On this same end of the shops the hydraulic press and flange fires were installed, this type of equipment being much in demand in the shell still days, also when most tanks erected in the refinery, both large and small were made here. Hillside flanges and all types of special flanges were forged by hand to fit the contour of the vessel on which they were to be mounted. Even standard manholes for tanks were forged by hand at that time.

In order to provide a centralized space for the foremen of the various departments, the foremen's gallery was installed, with space for each foreman, master mechanic, and clerk, all in one large, long and narrow room.

The space in the east end of the tool room originally occupied by the office of the Union Tank Car Company was made into the electrician shop. In this location, in addition to the battery chargers for charging hand

lanterns and other batteries, is also located the automatic telephone switch-board. The original board was installed with 50 lines; however, as the demand for telephone service grew, it was necessary to rebuild this into a 100 line board.



BLACKSMITH SHOP—Mike Cashimere forging a machine part on the Helve Hammer.

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The space immediately west of the electricians shop was made into a tool room and repair shop for checking out and reconditioning various hand tools returned to the shop, particularly various types of air tools.

The extreme west end of the lean-to was arranged to house the blacksmith shop, as at that time there was a considerable demand for blacksmith work. This shop was equipped with three forges, a helve hammer and a steam hammer. The helve hammer was a belt driven hammer operating at constant speed, and not particularly useful in miscellaneous repair work; however, the addition of the steam hammer which is extremely versatile has remedied this condition. In order to permit repair of the long parts, such as the side rods on the old conventional wax filter presses, the doors were so located that these long rods could be handled with a small shop, and a jib crane was installed to assist in handling the heavy parts.

The space immediately east of the blacksmith shop was arranged for a welding shop, the west room being reserved primarily for acetylene welding, while the east room is devoted almost entirely to electric arc welding. This shop is also served by a mono-rail system to assist in moving work in and out of the shops and onto trucks.

Between the tool room and the welding shop are three rooms, one of which is used as a tool room for the machine shop, the center one is a toilet room, and the third room is a locker and wash room for all of the shops.

When used for a tank car repair shop, this building was heated by direct radiation mounted on the walls, and consisted of hundreds of feet of pipe with headers at each end to form radiators. This method of heating proved to be very unsatisfactory for the shops because of the tremendously high ceiling and the corrugated sheet iron ceiling construction. With apparently ample heating surface, water which froze on the floor in winter would not melt for weeks. The heating system was then replaced by two units, one in the boiler shop, and one in the pipe shop. This system was installed with fans to blow the air thru the heater, with ducts to discharge this air at various locations thruout the building and near the floor so that the heat was directed where required. With the installation of the duct system the building was made livable in winter for the first time.

The refinery was headquarters for lead work required by our other plants during the Vacuum Oil operations and many of our men were

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frequently called upon to line agitators, tanks and similar equipment at other plants of the Company, or to fabricate lead products for them. The need for the lead shop was also extensive in the early days because of the use of the acid pan houses for concentrating acid, and because of the many lead lines about the plant, between lubricating oil department at No. 1 Works, refined oil department at No. 2 Works and acid plant at No. 3 Works.

We are very proud of our Central Shops, as we feel that they are about the best among the older refineries of the Company, and that the feature of having the main departments of the shops, carpenter, pipe, machine, boiler, welding, electricians, and tool room in one building, served by mono-rail and jib crane, is highly desirable for the convenient and economical handling of material between departments. This also reduces delay and expense which occurs where material has to be transferred between departments by means of vehicle which is not always obtainable at the time the workmen have the machinery on the hoists ready to move.

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Union Elects Officers for 1950

The results of the election for officers of the Independent Union of S/V Workers' at Olean were announced at their regular November meeting. The officers of the Organization for 1950 will be as follows:

President	W. F. Feser
Vice-President	Henry Barten
Secretary	E. G. Driscoll
Treasurer	F. J. Horan

Representatives:

Division No. 1	Tom Gerry
Division No. 2	Max Crainer
Division No. 3	Jos. Morabito
Division No. 4	Ray Russell
Division No. 5	John Degnan

Auditors:

John S. Maroney, William Donnelly, James Kent

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Among the Annuitants

Above you will see Mr. and Mrs. Edward Gardiner as they celebrate their fifty-eighth wedding anniversary. The Gardiners were married in Buffalo, October 26, 1892. Among the guests at the reception held in their honor were the couple's seven children and their families. Mr. Gardiner was born August 7, 1875, and at the time of his retirement, July 1, 1940, was a Filterman at the Wax Works. Our congratulations to the happy couple—may they enjoy many more anniversaries together!

The Annuitants of the Olean Refinery held another social meeting at Gargoyle Park on October 28th. Frank Smith was the Chairman, and was assisted by Oscar Miller, Charles Bauer, John Threehouse and Pete Wenke. The committee provided a very appetizing roast-beef dinner for the thirty-six who were present. We don't know whether to believe them or not, but they tell us Chuck Welch and Josh Bair won the bridge game—and that Leon Rowe and Dick Trostle ran away with the euchre game. No committee was appointed for the next gathering, as it was felt that with

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The Olean Refinery

(Continued from previous issues)

In our last issue we discussed the Central Shops and the large building which houses them, the construction of the building for tank car repairs, and the changes in the tank car repair situation which made the building available to us for the Central Shops. The site of the present Central Shops had been used previously as a building site, for it was on this plot that the wood barrel factory was located which was one of the major efforts in this plant years ago. On the next page you will see a picture of this building, which was completed in 1880.

The wood barrel played a very important part in the early history of petroleum, and especially in the Pennsylvania field where the petroleum industry started in the United States. At that time the petroleum industry was not only new to this country but also to the world. Petroleum products had been used thruout the world only in small quantities, mostly in the heavy evaporated form found on the surface of the earth, for the calking of ships and other uses. The Pennsylvania oil boom was therefore probably the first the world had known, and for that reason it had to make a small start and feel its way along until the technical aspects of crude oil production, distillation and finishing had been developed, and until the refiners of the crude oil could find general acceptance of the products which they were marketing.

The country at that time was still largely agricultural, and the mechanical age which we now know and take for granted had hardly begun. Practically all of the early crude production in the area of the Drake well of 1859 was transported in barrels to the place of use, either for refining or in the very earliest days for use in medicinal oils such as the bottled product sold in the Pittsburgh area and known as Rock Oil.

Today the educational work required to convince industry that petroleum lubricating oils were just as satisfactory as the animal and vegetable oils for machine lubrication is practically forgotten, but this was once a real problem. Even the obtaining of friendly reception in the automobile industry in the days as far back as the Selden patents required much work on the part of the original Vacuum Oil Company sales organization.

HISTORY - Clean Refinery

FILES

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The same situation which existed thruout the United States also was true in the case of foreign shipping, for the beginning there also had to be small. There were as yet no tankers for shipping oil to foreign countries, and again the light weight, conveniently sized wood barrel was used. Barrels of oil were transferred from ship to shore on lighters, and in some instances were thrown overboard and then hauled to shore. In the Orient and similar places the barrels traveled inland on camels, and as in the case of China, much of the oil is delivered by wheelbarrows.

Crude Oil in those early days was sold by the barrel, a barrel furnished by the customer. Often there was a variation of several gallons in the capacity of the barrels brought to the well for loading, for these were vinegar barrels, pork barrels, or whatever the buyer could obtain. In 1866 at a meeting of the Venango County oil producers, a resolution was adopted to standardize the capacity of an oil barrel at 40 gallons, with two additional gallons to cover leakage and evaporation, and this has never been changed—to this day when an oil man speaks of a barrel of oil you can know that it's a 42-gallon barrel he means.

Most of the crude oil was barged down the creeks and streams in barrels, much of it going toward Pittsburgh and similar points south of the Titusville area, such as Oil City. Where water was not available the oil was moved in barrels on wagons or sleds to the small neighboring refineries which sprang up in the area where the oil was produced.

After the oil was refined it was again put into wood barrels to be shipped to the cities where it was to be used. Until the volume grew to the point where the use of pipe lines and tank cars became justified and economical, it was the barrel that moved the entire oil production, crude and refined, to its destination.

This sudden demand for wood barrels created by the new oil industry caused a great boom in the cooperage business, and barrels were rushed to the Pennsylvania field from many parts of the country. Large rafts were floated down the Allegany River from a barrel factory on the Indian Reservation at West Salamanca.

The most largely used product from crude at the beginning of the oil industry was burning or illuminating oil, and at one time this was almost the only product which the early refineries made and for which a market could be found. It was natural then that kerosene, the first product shipped domestic and foreign was in barrels, for in most

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instances it went to small consumers, and was used largely for home lighting. Some of us can still remember when we were sent to the store with the kerosene can to buy oil for the lamps, and the custom of sticking a potatoe on the spout to prevent slopping of the oil.

The refineries found it necessary in many instances to build their own barrel factories, and this was the case with our Rochester Refinery, where was located what was said to be the second largest barrel factory in this country.

About 1879, after Mr. W. M. Irish became head of the Acme Works, began the erection of a barrel factory along the Erie Railroad right-of-way at the site of our present Central Shops. After completion, this factory had a capacity of 3,500 barrels a day, utilizing 70,000 oak staves and 30,000 pounds of iron hoops each 24 hours.

The barrels were made of white oak, with iron hoops, and sprayed with glue on the inside. These barrels, with blue bodies and white heads were known all over the world for the quality of their contents, usually kerosene. At first they were made by hand, but eventually various machines were developed for cutting the staves, cutting the croze, turning the outside of the barrel, etc. The value of the barrel was based on its size—2½ cents a gallon or \$1.05 for the standard oil barrel—and many of these were returned to the refinery to be recoopered or redriven and used again and again. The barrels made at Olean, over and above the requirements of the Olean Refinery, were shipped to the Company's other plants at Buffalo and Rochester, and were loaded in box cars and even cattle cars. Old records have shown that at one time as many as 70 trains of about 50 cars each left Olean in one day, most of these of course carrying either crude oil or refined products in barrels.

The building, the west end of which is used for the Paint Shop, and the remainder for storage space for the various mechanical departments, is still referred to as the dry kiln building. This building, of one story construction with saw-tooth roof, was built for use in kiln drying the lumber which was to be used in the making of staves and heading. Up until about twenty years ago some of the rooms were still equipped with the old wood grating which covered all the floors in the building and on which the lumber to be dried was piled. Hot air was pumped thru trenches under this wood grating, and was blown up thru the grating with a large fan driven by a steam engine, and the lumber thus dried until it was suitable for use in the making of barrels.