NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

January 23, 2019

Mr. Brian Miller
Rochester Steel Treating Works Inc.
962 East Main Street
Rochester, NY 14605

Re: Rochester Steel Treating Works (C828210)
962, 966, and 972-974 East Main St., Rochester, Monroe County
Remedial Investigation/Remedial Alternative Analysis Work Plan, December 2018

Dear Mr. Miller;

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH; collectively referred to as the Departments) have completed their review of the documents entitled *"Remedial Investigation/Remedial Alternatives Analysis Work Plan"* (the RI/RAA WP) and the *"Citizen Participation Plan"* (CPP) dated December 2018 and prepared by Day Environmental, Inc. In accordance with 6 NYCRR 375-1.6, the Departments have determined that the RI/RAA WP substantially address the requirements of the Brownfield Cleanup Program. The RI/RAA WP is hereby approved. The final approved CPP is attached.

By February 7, 2019 and prior to the start of field work, please provide copies of the RI/RAA WP and CPP as follows:

- Danielle Miles, NYSDEC – Avon, 1 bound hard copy;
- Steven Berninger, NYSDOH – Albany, electronic file/CD; and,
- Document Repository, Rochester Public Library – Sully Branch located at 530 Webster Ave, Rochester, NY 14609 – 1 bound hard copy.

Please contact me at (585) 226-5349 or danielle.miles@dec.ny.gov if you have any questions.

Sincerely,

Danielle Miles, EIT
Assistant Engineer

ec w/ attach.: Heather McLennan, Day Environmental
David Day, Day Environmental
Paul Sylvestri, Harter Secrest & Emery LLP
Tasha Mumbrue, NYSDEC
Frank Sowers, NYSDEC
Bernette Schilling, NYSDEC
Dudley Loew, NYSDEC
Steven Berninger, NYSDOH
Justin Deming, NYSDOH

REMEDIAL INVESTIGATION/REMEDIAL ALTERNATIVES ANALYSIS
WORK PLAN
962, 966,972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NUMBER: 828210

Prepared for: Rochester Steel Treating Works
962 East Main Street
Rochester, New York

Prepared by: Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York

Project No. 5491R-18

Date August 2018 (Revised December 19, 2018)

CERTIFICATION STATEMENT

I, Heather M. McLennan, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation/Remedial Alternatives Analysis Work Plan was prepared in substantial accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10)

Heather M. McLe QEP

January 11, 2019 DATE

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1.0 INTRODUCTION

This Remedial Investigation (RI) / Remedial Alternatives Analysis (RAA) Work Plan was prepared by Day Environmental, Inc. (DAY) for the three contiguous parcels located at 962 East Main Street, 966 East Main Street, and 972-974 East Main Street, Rochester, New York (Site), which are further described below. The Site is currently owned by Rochester Steel Treating Works Inc. A Project Locus map is included as Figure 1.

1.1 Site Description

The Site consists of three contiguous properties as described below (Refer to Figure 3):

- 962 East Main Street; Tax Parcel ID 106.75-1-6.001; ±0.31 acres, located on the northwest portion of the Site;
- 966 East Main Street; Tax Parcel ID 106.75-1-7.001; ±0.08 acres, located on the southwest portion of the Site; and
- 972-974 East Main Street; Tax Parcel ID 106.75-1-8.001; ±0.24 acres; located on the eastern portion of the Site.

The Site is developed with one approximately 15,000 square foot one-and two-story building. The Site building was constructed in the 1930s with additions in 1976 and 1988. Rochester Steel Treating Works (RSTW) has occupied the Site since the 1950s. RSTW operates an industrial facility that treats steel (i.e., anneals, hardens, straightens, etc.). An office area is located in the southeast portion of the building, and the steel treating areas are located in the remainder of the building. Loading bays are located on the western portion of the building. There is a hazardous waste 90-Day Storage Area located on the northwest interior of the Site building. A paved parking area is located south of the building, and a paved access drive is located west of the building. A concrete patio/storage shed area is located north of the building. There are two grass-covered locations on the northern portion of the Site.

The surrounding parcels are currently used for a combination of commercial, residential, light industrial, and railway. The nearest residential area is approximately 100 feet northeast, at 45-55 Railroad Street.

1.2 Objectives

The objectives of the remedial investigation work defined in this Work Plan are described below.

- Define the nature and extent of on-site contamination.

- Characterize the surface and subsurface characteristics of the Site, including topography, surface drainage, stratigraphy and depth to groundwater.

- Identify the contaminant source areas, if any.

- Produce data of sufficient quantity and quality for remedial decision-making.

- Identify and characterize soil contamination that may be acting as contaminant source areas. Delineate the areal and vertical extent of soil contamination that may be leaching to and impacting groundwater quality at the Site.

- Evaluate and outline the scope of a Interim Remedial Measures (IRM), which could be used to potentially remediate or mitigate contaminated source areas present in subsurface soil and groundwater.

- Evaluate and characterize the extent and magnitude of the overburden and bedrock groundwater contamination at the Site.

- Describe the volume, concentration, persistence, mobility, state, and other significant characteristics of the on-site contamination.

- Determine the extent to which natural or anthropogenic barriers currently contain or impact migration or mobility of the contamination.

- Define the extent to which the contaminants have migrated on the Site or are expected to migrate off-Site, and whether future migration may pose a threat to human health or the environment.

- Perform an exposure assessment to identify potential routes of exposure, populations, and environmental receptors at risk.

- Define hydrogeological factors (e.g., groundwater flow, response of the groundwater system to extraction, depth to the saturated zone, hydrologic gradients, hydraulic conductivity; and proximity to a drinking water aquifer, flood plain, or wetland).

- Describe groundwater characteristics, and current and potential groundwater use, including the identification of private wells, if possible, and public water supply wells in the area.

- Describe the Site's contribution to an air, land, water, biota, or bioaccumulation contamination problem.

- Upon completion of the RI assess the active and potential threats to human health and the environment, including the potential for off-site impacts.

The goal of the RI is to obtain sufficient information to evaluate remedial alternatives, and ultimately recommend and select a remedial alternative that is protective of public health and the environment.

Upon NYSDEC request, additional investigation activities will be completed in accordance with addenda to this Work Plan until these objectives are successfully achieved.

1.3 Applicable Project Standards, Criteria and Guidance

Applicable standards, criteria, and guidance (SCG) values that will be used for this project are outlined below:

- Appropriate Soil Cleanup Objectives (SCOs) and other guidance as set forth in 6 NYCRR Part 375-2 Inactive Hazardous Waste Disposal Program dated December 14, 2006. Appropriate SCOs for this Site are the Protection of Groundwater SCOs and Restricted Industrial Use SCOs.

- Appropriate Soil Cleanup Levels (SCL) and other guidance as set forth in NYSDEC CP-51 Soil Cleanup Guidance dated October 21, 2010.

- Guidelines referenced in the NYSDEC document titled “DER-10 Technical Guidance for Site Investigation and Remediation” dated May 10, 2010.

- Appropriate water quality standards and guidance values (WQS/GV) as set forth in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) document titled “Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations” dated June 1998, and amended by a January 1999 Errata Sheet, an April 2000 Addendum, and a June 2004 Addendum.

- City of Rochester Sewer Use Permit requirements.

- New York State Department of Health (NYSDOH) document entitled “Guidance for Evaluating Soil Vapor Intrusion in the State of New York” dated October 2006.

The work described in this Work Plan will be performed in accordance with the SCGs listed above.

2.0 BACKGROUND AND PREVIOUS STUDIES

This section describes the history of the Site and surrounding properties, as well as, a summary of previous environmental site assessments and investigations that have been conducted at the Site.

2.1 Site History

Based on information obtained from Plat Maps, Sanborn Fire Insurance (Sanborn) Maps, and historic city directories, a variety of residential, commercial, and industrial activities have been conducted on the Site since at least 1875. Provided below is a summary of activities that have been documented at the Site.

- Apparent residential buildings are shown in Plat Maps dated 1875 and 1888.

- A Plat map dated 1888 shows a coal yard on the northeast portion of the Site.

- A Sanborn map dated 1911 identifies the Site as the W.G. Bell Planing Mill. Improvements shown on the Site include “Shav’gs ho” (i.e., shaving house), “Shavings Vault”, “Dry Kiln”, “Planing Mill”, “Eng”, “Lumber Shed”, “Doors and Windows Ware Ho”, and “Coal Shed”. In addition, a dwelling, two stores, and a saloon are located on the Site along East Main Street, and a shed/barn is located south of the coal shed.

- A Sanborn map dated 1918 identifies the Site as the W.G. Bell Planing Mill. Various buildings are located on the Site.

- The 1950 Sanborn map depicted buildings on the Site with the designations “Auto Painting Lacquer Spraying”, “Wash Room”, “Machine Shop”, “Boiler Room”, “Auto Repair”, and “Shed”. In addition, two restaurants and a concrete block building of unidentified use were shown on the Sanborn map.

- The 1971 Sanborn map depicted buildings on the Site with the designations “Stge” (i.e., Storage) and “Heat Treating”. In addition, two offices, a restaurant with a connected auto garage, and a connected concrete block building of unidentified use, were shown on the Sanborn map.

- City directory listings of the Site indicate that 962 East Main Street was occupied by industrial facilities from at least 1923 until 2011 (i.e., Bell Wm G, planning mill in 1923; Freer AC Co., Inc., auto repairs from at least 1926 until at least 1956; Bloss Raymond, auto painters in at least 1936; and, Rochester Steel Treating Works from 1956 until 2011). 966, 970, 972, and 974 East Main Street were occupied by various restaurants, saloons (e.g., Sutter’s Mill tavern located at 974 East Main Street), barbers (e.g., barber located at 966 East Main Street), and a beauty shop from at least 1923 to 1984. In at least 1946, ‘Halaby Saml A. Co., insecticides’ was located at 968-970 East Main Street; in at least 1956, ‘DiLalla A & Co., plmb’ was located at 970 East Main Street; in at least 1966, ‘Gupp Sign Co., Inc.’ was located at 970 East Main Street; and, in at least 1946, ‘Feasler Arlington B, printer’ was located at 974 East Main Street.

RSTW has been located at the Site since at least 1956 until present-day. Reportedly, a trichloroethylene (TCE) degreaser has been located at the Site since at least 1959. From 1959 until 1972, a TCE degreaser was located approximately 40 feet (ft.) east of the location of the current TCE degreaser (refer to Figure 2). This former TCE degreaser was reportedly located in a 3 to 4 ft. deep pit, similar to the current TCE degreaser. An associated TCE aboveground storage tank (AST) was reportedly located approximately 20 ft. south of the former TCE degreaser. The former TCE AST reportedly provided TCE to the former TCE degreaser through overhead piping.

In 1972, the former TCE degreaser and former TCE AST were reportedly removed from the Site, and a TCE degreaser and TCE ASTs were installed on the western interior and exterior of the building, respectively (refer to Figure 2 for the approximate location of the current TCE degreaser and TCE AST). Prior to June 18, 2018, there were two 110-gallon TCE ASTs located on the western exterior of the Site building. On June 18, 2018, these two 110-gallon TCE ASTs were drained and removed, and one 175-gallon TCE AST was installed.

Four NYSDEC Spills are listed for the Site, as briefly described below:

- Closed Spill #8589988 was reported on 1/18/1985. The NYSDEC Spill Report Form (SRF) states, “Indoor spillage from storage of 60 lbs of cyanide salts in bldg.., outdoor spillage due to illegal burial of 60 lbs of cyan-ide [sic] under slag and storage of cyanide salts & 7 barrels of contaminated oil…Violations and legal action: Minimal spillage – awaiting Beci Search warrant…Containment Action: None at this point, diked by Conrail RR tracks…Forward info to DSHW (Department of Solid and Hazardous Waste)…” This spill was closed on 6/1/1986.

- Closed Spill #8503403 was reported on 12/29/85. The SRF states, “A heater that was repaired by electricians on Sat. was left on. Pressure inside the anhydrous ammonia tank built up until valve was ruptured….Extent of spill: anhydrous ammonia discharged to the air through a pressure relief valve on the storage tank…no further action necessary…” This spill was closed on 6/1/1986.

- Closed Spill #8604022 was reported on 9/20/1986. The SRF states, “Cause was broken rupture disk…Air Products, Inc. personnel shut off valve. A portion of Main Street was closed as a precaution…” The SRF indicates that the material spilled was liquid nitrogen. This spill was closed on 3/31/1987.

- Inactive Spill #1006842 was reported on 9/24/2010. The SRF states, “Caller advised approximately 2 gallons of TCE spilled from commercial vehicle. Caller also advised that substance has been cleaned up…Spill occurred as a result of drum falling off of tailgate to paved parking lot…cleaned up with pads…no further action necessary.” This spill was assigned an inactive status on 9/30/2010.

2.2 Surrounding Properties

The surrounding parcels are currently used for a combination of commercial, residential, light industrial, and railway (refer to Figure 3). The nearest residential area is approximately 100 feet northeast, at 45-55 Railroad Street.

Below is a summary of adjoining properties to the Site:

West: 936 East Main Street is the adjoining property to the west of the Site. It is currently occupied by 'The Pike Company' and formerly occupied by 'Otis Lumber'.

East and North: Vacant grassed land is located east of the southern portion of the Site. Reportedly, this vacant grassed land is owned by the State of New York. A railway owned by CSX Transportation Inc. is located north and east of the Site, and to the vacant grassed land discussed above. The City of Rochester, New York, Property Information website identifies the municipal address of this portion of railway as 265 North Union Street, Rochester. Beyond the railway are 85-97 Railroad Street, occupied by Black Button Distilling and Rohrbach Brewery; 45-55 Railroad Street, identified as Station 55 and occupied by residential lofts and work-live lofts; and 1030 East Main Street, occupied by Marketview Heights Garage.

South: East Main Street with Circle Street beyond to the southeast. 951 East Main Street is located south of East Main Street and is the former location of Staub Dry Cleaners. The City of Rochester, New York, Property Information website identifies the owner of this property as Circle Street Development, LLC. [Note: This property is described further below, refer to Sections 2.3.1 and 3.5.]

2.3 Previous Environmental Studies

2.3.1 Draft Phase I Environmental Site Assessment

DAY prepared a draft Phase I Environmental Site Assessment (Phase I ESA) report for the Site (DAY File 5248E-16), and the draft Phase I ESA report dated June 13, 2016 identified the two Recognized Environmental Conditions (RECs) listed below:

Current and Former Uses of the Site

The current and former uses of the Site that contributed to the identification of this REC included:

- TCE ASTs that are located on the western exterior of the building on the Site. [Note: At the time of the Phase I ESA (i.e., 2016) two 110-gallon TCE ASTs were located on the western exterior of the Site building. On June 18, 2018, the two 110-gallon TCE ASTs were removed and replaced with one 175-gallon TCE AST.] In addition, a TCE degreaser is located in the southwest interior of the building, and a TCE degreaser was reportedly formerly located east of the current TCE degreaser.

- Hazardous waste, including TCE, that was generated and stored within a 90-Day Storage Area located in the building at the Site.

- Various tanks containing quench oil that are located throughout the building at the Site, including a tank that is located partially below the concrete floor of the building.

- Various spills and stains (assumed to be petroleum in nature) that were observed on the concrete floor areas in the locations of the vacuum furnaces in the eastern portion of the building at the Site. The spills were reportedly related to leakage of a pumping system in the vacuum furnace that collects evaporated oil.

- A concrete filled crock that is located in the southern portion of the building at the Site. In addition, floor drains were formerly present in an area of the building at the Site that reportedly discharged to the sanitary sewer system. The concrete filled crock and the former floor drains are/were located in a portion of the building where discharges of waste material could have occurred in the past. [Note: This crock was opened subsequent to the Phase I ESA, and liquid (e.g., water) and a possible discharge pipe were observed in the crock (i.e., the crock is not "concrete filled").]

- A catch basin and trench drain that are located on the exterior of the building at the Site. The trench drain reportedly discharges to the sanitary sewer and is located in proximity to the TCE ASTs.

- The Site is identified as an active large quantity RCRA Generator of hazardous waste, and a New York State Department of Environmental Conservation (NYSDEC) Chemical Bulk Storage Facility (CBS). In addition, the Site is identified in the Federal Underground Storage Tank (UST) database, and as a NYSDEC Spill/Leaking Storage Tank (LST) site.

- Fill material that was reportedly used to backfill the basement of a former hotel on the southeast portion of the Site that was demolished. It was also reported that fill material was likely brought to the Site to raise the grade of the southern portion of the Site during construction of the bridge that is located to the southeast of the Site. Information was not available/obtained regarding the source or the type of the fill material.

- A review of historical resources that indicates that the Site was formerly improved by/used as a coal yard/coal shed, a planing mill, for auto repair (including auto painting), an insecticide company, a sign company, and a printer.

<u>Historical Use/Regulatory Listings of the Adjoining Property to the South/Southwest</u>

Staub Textile Services Inc. at 951 East Main Street adjoins the Site to the south and southwest across East Main Street (i.e., an assumed hydraulically upgradient location relative to the Site). This adjoining property is an active large quantity RCRA Generator of hazardous waste, a NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS), a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC CBS facility, a NYSDEC Brownfield Clean-Up Program (BCP) Site, a Federal UST facility, and a NYSDEC Spill/LST site. The NYSDEC Site Record regarding the IHWDS listing of the Staub Textile Services Inc. site states, "This site has a 70-year history of use as an industrial laundry and dry cleaning service. The primary contaminant of concern at the site is tetrachloroethene (PCE). PCE (9470) detected in soil samples collected at the southern part

of the site, substantially exceed NYS Class GA groundwater standard of 5 ppb for both PCE and TCE." Based on the above considerations, the Staub Textile Services Inc. site was identified as a REC (refer to Section 3.5 for additional information regarding this property).

A copy of the draft Phase I ESA is provided in Appendix G.

2.3.2 Phase II Environmental Site Assessments

In September 2016, DAY completed an evaluation of shallow soil/fill in the former location of the Black Oxide Line at the Site. DAY representatives advanced four test borings (designated TB-01 through TB-04) within the building using hand-operated Geoprobe Systems sampling equipment in the location of the former black oxide line. Specifically, these test borings were advanced beneath the former location of the black oxide tank, the former location of an acid tank, the former location of an oil tank, and adjacent to a discharge pipe to the sanitary sewer. (Note: the former locations of various components of the former black oxide line were identified by RSTW personnel). Test borings were advanced to a maximum depth of four feet (ft.) below ground surface (bgs). Soil/fill samples collected during the advancement of the test borings were observed for evidence of apparent contamination (e.g., odors, staining, free product), and screened with a photoionization detector (PID). Select soil samples were submitted to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory for testing for the parameters identified below.

- Target Compound List (TCL) Volatile Organic Compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260
- Polycyclic Aromatic Hydrocarbons (PAHs)/New York (NY) STARS list Semi-Volatile Organic Compounds (SVOCs) via USEPA Method 8270
- Resource Conservation and Recovery Act (RCRA) Metals via USEPA Method 6010/7471
- Polychlorinated Biphenyls (PCBs) via USEPA Method 8082
- pH

In February and March 2018, DAY completed Phase II ESA activities which included the tasks summarized below:

- Drain evaluation: DAY representatives observed drains located on the western portion of the Site, near the TCE ASTs in an attempt to identify discharge locations via review of available records, observations of the drains, and dye tracing.
- DAY retained the services of a subcontractor to advance 16 test borings (designated TB-1 through TB-16) using direct-push sampling methods in various interior and exterior locations at the Site to evaluate the RECs identified in the Phase I ESA report (refer to Section 2.3.1). The test boring locations are shown on Figure 2.

- Seven of the test borings were completed as one-inch inner diameter groundwater monitoring wells (i.e., MW-A through MW-G). The groundwater monitoring well locations are shown on Figure 2.

- The monitoring wells were developed using a peristaltic pump and dedicated disposable tubing. The monitoring wells were then purged and sampled using dedicated disposable bailers.

- One soil-vapor sampling point (i.e., VP-1) was installed on the southern portion of the Site (refer to Figure 2).

- Soil and groundwater samples were submitted to a NYSDOH ELAP-certified analytical laboratory for testing for the parameters identified below.

    - TCL and CP-51 List VOCs via USEPA Method 8260

    - TCL and CP-51 List SVOCs via USEPA Method 8270

    - RCRA Metals via USEPA Method 6010/7471

    - PCBs via USEPA Method 8082

    - pH

    [Note: A soil vapor sample was not collected from vapor probe VP-1 as part of the Phase II ESA]

- An elevation survey of the newly installed monitoring wells was completed.

In June 2018, the two 110-gallon TCE ASTs located on the western exterior of the Site were drained and removed. Following the removal of these TCE ASTs, the secondary containment tank was also removed. A concrete pad was observed below the former location of the secondary containment tank. Three test borings (designated TB-17 through TB-19) were advanced near the concrete pad, and one temporary groundwater monitoring well (designated as MW-H) was installed in test boring TB-19 (i.e., a 10-foot length of slotted PVC screen with PVC riser attached was placed in open test boring TB-19) Approximately two gallons of water was purged from MW-H, and then a water sample was collected using a dedicated disposable bailer. Two soil samples and one groundwater sample were then submitted to a NYSDOH ELAP-certified analytical laboratory for testing of the parameters identified below.

    - TCL and CP-51 List VOCs via USEPA Method 8260

    - TCL and CP-51 List SVOCs via USEPA Method 8270

    - Target Analyte List (TAL) Metals via USEPA Method 6010/6020/7196/7199/9056A

    - Cyanide

Based upon the Phase II ESA activities conducted to date and as described above, the primary contaminants of concern (COCs) for the Site are TCE and its associated degradation products [e.g., cis-1,2-dichloroethene (DCE), vinyl chloride, etc.] in groundwater. Provided below is a summary of the COCs that have been identified for the Site to date.

Soil – Polycyclic aromatic hydrocarbons (PAHs) were found in soil/fill samples collected from two locations [i.e., TB-5 (2-3) and TB-10 (7-8)] at concentrations exceeding the Soil Cleanup Objectives (SCOs) for industrial use [typically 1.1 milligrams per kilogram (mg/kg) or parts per million (ppm) to 11 ppm] and/or the SCO for Protection of Groundwater (typically 1 ppm to 22 ppm). Also, TCE and associated degradation products were detected in soil/fill samples collected from six locations [i.e., TB-1 (6-7), TB-1 (13-14), TB-4 (15-16), TB-5 (9-10), TB-8 (2.5-3.5), and TB-9 (12-13)] at concentrations exceeding the Protection of Groundwater SCOs but below the Restricted Industrial Use SCOs. The concentrations of PAHs and VOCs detected in soil/fill samples above the Restricted Industrial Use SCOs and/or Protection of Groundwater SCOs are shown on Figure 4.

Groundwater – TCE and its associated degradation products are found in groundwater throughout the Site. The location of the highest concentration of chlorinated VOCs in groundwater samples collected during the Phase II ESA activities described above corresponds to the location of the former TCE degreaser (i.e., the former TCE degreaser was reportedly in this location from approximately 1959 to 1972, refer to Figure 2 for the location of the former degreaser). The concentrations of total chlorinated VOCs, and of TCE, detected in groundwater on March 16, 2018 are shown on Figure 6 and Figure 7, respectively. The maximum concentration of TCE was 95,000 micrograms per liter (µg/L) or parts per billion (ppb) in the reported location of the former TCE degreaser (refer to Figure 7). The total chlorinated VOC concentration in this location was 140,460 ppb (refer to Figure 6). The groundwater flow at the Site was determined to be to the north-northeast (refer to Figure 5). Approximately 80 ft. north of the former degreaser area (i.e., downgradient direction), the concentration of total chlorinated VOCs in groundwater dropped to 1,084.5 ppb. The concentration of total chlorinated VOCs in groundwater on the southern and eastern property boundaries ranged from 4.99 ppb to 9.1 ppb. Also, lead was detected in three groundwater samples at concentrations (26 ppb to 36 ppb) that exceeded the groundwater standard (25 ppb), and selenium was detected in one groundwater sample at a concentration of 11 ppb, which exceeded the groundwater standard of 10 ppb. The concentrations of VOCs and metals detected above the TOGS 1.1.1 standards or guidance values are shown on Figure 8.

Test boring logs, monitoring well installation diagrams, and summary tables of analytical data are provided in Appendix A, B, and C. The Phase II ESA activities described above, as well as the information provided in Appendices A, B, and C, were conducted and/or prepared in general accordance with ASTM E1903-11. Analytical laboratory reports are provided in Appendix H.

3.0 CONCEPTUAL SITE MODEL

The preliminary conceptual site model presented in this section identifies and describes: (1) the known or potential sources of contamination; (2) the types of contaminants and affected media; (3) release mechanisms and potential migration pathways; and (4) actual/potential human health and environmental receptors. This preliminary conceptual site model was used as the basis for the studies described herein. The data collected during the RI will be used to refine this model as the project progresses and assist in evaluating remedial options for the Site.

The Site is currently developed with an approximate 15,000 square-foot one- and two-story building, with asphalt-paved parking area and access. The Site building was constructed in the 1930s with additions in 1976 and 1988. RSTW has occupied the Site since at least 1956. RSTW operates an industrial facility that treats steel (i.e., anneals, hardens, straightens, etc.). An office area is located in the southeast portion of the building, and the manufacturing areas are located in the remainder of the building. Loading bays are located on the western portion of the building. There is a hazardous waste 90-Day Storage Area located on the northwest interior of the Site building. A paved parking area is located south of the building, and a paved access drive is located west of the building. A concrete patio/storage shed area is located north of the building. There are two grass-covered locations on the northern portion of the Site. A transformer is located on the southern exterior of the building, to the west of the office area. Reportedly, a former transformer was in this location until approximately 1995. A fire occurred in the former transformer and it was replaced with the current transformer.

Industrial/commercial operations have historically been located at the Site. These include a coal yard in at least 1888; a Planing Mill from at least 1911 to at least 1923; an auto repair facility from at least 1926 to at least 1946; an auto painter in at least 1936; a printer and an insecticide company in at least 1946; a machine shop in at least 1950; a sign company in at least 1966; and, various commercial operations (e.g., barber shop, various stores, restaurants, saloons) from at least 1911 through the early 1980s.

3.1 Subsurface Conditions

Based upon the test borings advanced on the Site as part of Phase II ESA work (refer to Section 2.3.2), fill material extends from below the concrete slabs of the building or below the asphalt-pavement to depths up to 12 ft. bgs (i.e., TB-6). This fill material typically consists of sand and gravel underlain by reworked soil comprised primarily of silty sand with little gravel. Indigenous soil below the fill consists of a silty clay, silty sand, or sandy silt that generally becomes coarser (e.g., gravel with coarse sand) with depth. Indications of non-competent bedrock (i.e., broken rock, equipment refusal) were typically encountered at depths of approximately 15 ft. bgs in the central and northern portions of the Site, and at depths ranging from 19 ft. bgs to 25 ft. bgs in the southern portion of the Site. Groundwater was measured in the monitoring wells installed at the Site as part of the Phase II ESA work at depths ranging between 15.90 ft. bgs (i.e., MW-G) and 17.62 ft. bgs (i.e., MW-E) in the southern portion of the Site, and at depths ranging from 9.08 ft. bgs (i.e., MW-A) to 11.15 ft. bgs (i.e., MW-B) in the central and northern portions of the Site. Groundwater flow was determined during the Phase II ESA work to be generally to the north-northeast (refer to Figure 5).

3.2 Known or Suspected On-Site Sources of Contamination

This conceptual site model is based on the reported historic usage of the Site and the findings of the previous studies conducted at the Site (i.e., the Phase I ESA, the Phase II ESA, etc.). Provided below is a brief description of potential sources of the contaminants of concern detected at the Site.

Volatile Organic Compounds

Reportedly, a TCE degreaser was historically located in the approximate location of monitoring well MW-A, from approximately 1959 until approximately 1972. In addition, an associated TCE AST was reportedly located south of the former TCE degreaser. Chlorinated VOCs (i.e., TCE and associated degradation products) may have been released from the location of this historic degreaser and/or the former TCE AST.

Semi-Volatile Organic Compounds and Metals

Urban fill material observed throughout the Site may have contained coal, ash, and other materials that contained elevated concentrations of SVOCs and/or metals. Historical operations that were located at the Site could have also caused these contaminants to be present (e.g., coal yard; a Planing Mill; an auto repair facility; an auto painter; a machine shop; a sign company).

3.3 Potential Release Mechanisms and Contaminant Migration Pathways

Potential release mechanisms and contaminant migration pathways away from known or suspected source areas may have included one or more of the following:

- Volatilization directly from the ground surface into the air;
- Volatilization from impacted soil and/or groundwater into the soil vapor that collects beneath the floor slab of the building at the Site and potentially discharges into the indoor air;
- Surficial flow across exterior surfaces, possibly enhanced by precipitation and snow melt events;
- Direct contact with fill material exposed at the ground surface that contains SVOCs and /or metals;
- Preferential subsurface migration within subsurface utilities or their bedding materials could occur along active and abandoned structures;
- Migration horizontally and vertically through the overburden soil, fill, bedrock, or groundwater; and/or
- Migration along impermeable subsurface layers

3.4 Potential Human and Environmental Receptors

Most of the Site is covered with an approximate 15,000-square foot, one- and two-story building with asphalt-paved parking and driveway areas south of the building and concrete paved storage areas north of the building. The western and northern Site boundaries are fenced; access to the eastern and southern Site boundaries is not restricted. There is a potential that off-site migration of contaminants could impact environmental and/or human receptors via the groundwater and/or through the soil vapor. Active and closed utilities at the Site may serve as preferential pathways for contaminants that are flowing along the bedding of the utility lines. Contaminants from the Site could also migrate via groundwater, surface flows, and/or soil vapor.

Based on an internet search, the following churches/schools are located within one-half mile of the Site.

Name	Address	Relative Location to Site
NEAD Freedom Schools	600 Goodman Street North	0.3 miles northeast
School of the Arts	45 Prince Street	0.3 miles southwest
Dr. Freddie Thomas High School	625 Scio Street	0.45 miles northwest
World of Inquiry School No. 58	200 University Avenue	0.5 miles west
Our Lady of the Americas Church	864 East Main Street	0.13 miles west
Unity Church of Greater Rochester	55 Prince Street	0.2 miles southwest
New Hope Free Methodist Church	62 Union Street	0.5 miles west
New Bethel CME Church	270 Scio Street	0.5 miles west
Lewis Street YMCA Child Care Center	53 Lewis Street	0.5 miles northwest
Tisdale Quality Daycare	195 4th Street	0.3 miles northeast
Caring & Sharing Child Care	90 Webster Avenue	0.3 miles northeast

There are no known creeks or rivers within one-half mile of the Site. The closest waterway is the Genesee River, located approximately 1.25 miles west of the Site. A City of Rochester bylaw restricts the use of potable drinking water wells within city limits.

3.5 Nearby Known Off-Site Contamination Sources

Staub Textile Services Inc. at 951 East Main Street (Staub site) adjoins the Site to the south and southwest (across East Main Street). This property is identified as an active large quantity RCRA Generator of hazardous waste, a NSYDEC Inactive Hazardous Waste Disposal Site, a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC Chemical Bulk Storage (CBS) facility, a NYSDEC Brownfield Clean-Up Program (BCP) Site, a Federal Underground Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site.

A review of the Record of Decision (ROD) dated February 2017 for the Staub site provided the following information:

- The ROD was prepared for Operable Unit (OU) Number 01, specifically 'On-Site Soils'. The ROD states that additional studies will be completed for Operable Unit Number 02: Off-Site

- A RI was conducted for OU-I of the Staub site. The contaminants of concern (COCs) identified for OU-I are tetrachloroethene (PCE), TCE, cis-1,2- DCE, and vinyl chloride

- The COCs have been identified in soil, groundwater, and soil vapor

- IRMs have been completed that include installation and operation of a sub-slab depressurization system (SSDS). [Note: the SSDS was removed in August 2015.]

- The groundwater flow direction in the overburden at the Staub property was determined to be to the northeast (i.e., from the Staub site towards RSTW)

- The selected remedy for remediation of the Staub site is described as "an aggressive approach to remediating the site aimed at excavation of soil exceeding commercial SCOs and the treatment of soil using in-situ chemical treatment exceeding protection of groundwater SCOs. This alternative includes the demolition of the abandoned Staubs Textile Services, Inc. building (by others), removal of the building slab, installation of the temporary sheet piling and excavation of approximately 2,074 cubic yards of contaminated soils above and below the water table to bedrock, dewatering and treating the groundwater during excavation and the removal and disposal of any underground storage tanks encountered during the excavation. Confirmation sampling for VOCs would be conducted during excavation activities", as well as backfill with clean fill and in-situ chemical treatment, either chemical oxidation or chemical reduction depending on the results of the bench and pilot scale tests.

A review of the Draft OU2 (Groundwater) RI Report provided the following information:

- Overburden groundwater sampling was conducted in April 2016 and groundwater samples were tested for VOCs. The highest concentrations in the overburden groundwater of PCE, TCE, cis-1,2-DCE, and vinyl chloride were located in well MW-01 (near the northeast perimeter of the Staub site, which is in the assumed upgradient direction of the RSTW Site) and in PZ-06 (located in the former building area of the Staub site, which is in the assumed upgradient direction of the RSTW Site), which are both downgradient of the former UST source area on the Staub site. The total CVOC concentration in MW-01 was 10,419 ppb. The only off-site exceedance was in monitoring well OU2-PZ-4 which was an overburden well that was installed in the vacant grassed area located east (i.e., assumed hydraulically crossgradient relative to the RSTW Site) of the southern portion of the RSTW Site, that had a concentration of total CVOCs of 35.7 ppb.

- Overburden groundwater sampling was also conducted in July 2016. The concentrations of total CVOCs in the sample collected from MW-01 was 25,074 ppb, and the concentration of total CVOCs in the sample collected from OU2-PZ-4 was 168.7 ppb.

- Bedrock groundwater sampling was conducted in August 2017. The highest concentration of CVOCs in bedrock groundwater were located in the center and southeast of the Staub site. The highest concentration of total CVOCs was in the sample collected from bedrock well MW-05 (101,320 ppb), which is located in the center of the Staub site, and had a reported sample depth of 27-36 ft bgs. Bedrock well MW-10D is a deep bedrock well that was installed southeast (i.e., assumed hydraulically crossgradient relative to the RSTW Site) of the RSTW Site, north of the Staub site. The depth of the sampled interval was reportedly 50-60 ft. bgs. A sample collected from this well had a total detectable concentration of CVOCs of approximately 4.1 ppb.

- The groundwater flow direction in the overburden was northeast from the Staub site (i.e., towards the RSTW Site); the groundwater flow in the bedrock (June 2016) was to the north-northwest; and, the groundwater flow in the bedrock (January 2018) was to the northeast.

- The Draft OU2 (Groundwater) RI Report states “Based on contaminant plume maps, chlorinated VOCs, cis-1,2-DCE, TCE, and vinyl chloride have migrated off site to OU2-PZ-04, which is approximately 220 feet northeast of the site in the same directions as groundwater flow.” (As stated above, OU2-PZ-04 is located in the vacant grassed area east of the southern portion of the RSTW Site.)

Based on a review of the available information for the Staub site, it is possible that CVOC impacts in groundwater and soil vapor are migrating from the Staub site towards and/or onto the RSTW Site.

4.0 REMEDIAL INVESTIGATION SCOPE OF WORK

4.1 Utility Assessment

Identifying potential preferred contamination migration pathways is an objective of the RI, and understanding active and former utility infrastructure at the Site is critical for identifying potential preferred contamination pathways. Publicly available utility records will be obtained from the City of Rochester, Monroe County, and Utility Companies that service the Site. Utility records obtained will be reviewed and verified with field observations in order to identify utilities on-site and immediately off-site, including buried sewer systems (e.g., storm, sanitary or combined), electric lines, natural gas lines, water delivery lines, etc.

Depending on the completeness of the available documentation, utility accessibility and utility field testing may be implemented. In addition, studies including non-toxic and biodegradable dye testing, remote video examination of accessible utilities and drains, and/or tracing of drains using a sonde, will be implemented in order to evaluate the flow path, the location, and/or the discharge location and/or integrity of select utilities. [Note: The Phase I ESA identified a crock on the southern portion of the building as reportedly being “concrete-filled”. This crock was opened subsequent to the Phase I ESA, and liquid (e.g., water) and a possible discharge pipe were observed in the crock. This crock will be included as part of the utility assessment. In addition, the floor drains in the building were reported to not be active and/or connected at the time of the Phase I ESA; however, visible floor drains will be opened and included as part of the utility assessment.]

In addition, one sample of liquid (e.g., water) from the crock will be collected using a disposable bailer. If sediment is observed in the base of the crock, one sample of sediment will also be collected. Refer to Section 4.7.1 for a discussion of the analyses that will be performed on these samples.

4.2 Surface Soil Samples

<u>Human Health Exposure Samples and Historic Fill Material Characterization</u>

Surface soil samples will be collected from four locations that are not covered by pavement or building (designated SS-1 through SS-4, refer to Figure 9) in order to characterize surface soil in relation to possible human health exposure (i.e., the 0 to 2 -inch bgs interval) and characterize historic fill material (HFM) (i.e., the 0 to 1 ft. bgs interval). Note, if HFM is observed and it is consistent/similar throughout the entire one foot interval, then only one sample of the HFM will be collected for analysis. The sample collected for analysis will be obtained from the 0 to 2 inch interval, and it will be considered representative of the entire one foot interval. The surface soil samples from 0 to 1 ft. bgs will be collected using a post-hole digger and/or round-headed shovel which will be decontaminated prior to each sample collection using brushes, Alconox and tap water. [Note: if HFM is observed at a depth of one ft. bgs in either SS-1 or SS-2, further samples will be collected by either hand-operated Geoprobe equipment or track-mounted Geoprobe drill rig, and samples will be collected as continuous macrocore runs. If HFM is observed at a depth of one ft. bgs in either SS-3 or SS-4, additional samples will be collected by hand-digging with either the post-hole digger or shovel. Refer to Section 4.5.1 for additional information.]

Polychlorinated Biphenyl Assessment

A transformer is located on the south exterior of the building, to the west of the office area. Four surface soil samples (designated SS-3 through SS-6, refer to Figure 9) will be collected from the area of the concrete pad of the transformer (one from each side, per DER-10 requirements) in order to characterize soil in the location of the transformer for Polychlorinated Biphenyls (PCBs). [Note, surface soil samples SS-3 and SS-4 will also be tested in order to characterize surface soil in relation to possible human health exposure and to characterize HFM.] These samples will be collected using a post-hole digger and/or round-headed shovel which will be decontaminated prior to each sample collection using brushes, Alconox and tap water. [Also, if staining or evidence of possible contamination is observed at a depth of one ft. bgs in either SS-3 or SS-4, additional soil samples will be collected by hand-digging deeper with either the post-hole digger or shovel.]

Soil samples will be classified, logged, screened with a photoionization detector (PID), and the headspace above portions of the samples will also be screened with a PID. Refer to Section 4.7.2 for a discussion of the analyses that will be performed on these samples.

4.3 Site Perimeter Assessment

Various monitoring wells (refer to Sections 4.5 and 4.6 for more detail) and soil vapor probes (refer to Section 4.4 for more detail) will be installed and sampled in order to assess conditions at the Site boundaries. Specifically, the following proposed test borings/monitoring wells/soil vapor sampling points will provide information to determine potential migration of contaminants both on to and off of the Site:

South (Upgradient) Locations: MW-E (previously installed overburden groundwater monitoring well), BRMW-1 (proposed bedrock groundwater monitoring well), VP-1 (previously installed soil vapor probe), MW-D (previously installed overburden groundwater monitoring well)

Crossgradient (East) Locations: MW-G (previously installed overburden groundwater monitoring well), VP-5 (proposed soil vapor probe)

Crossgradient (West) Locations: MW-F (previously installed overburden groundwater monitoring well), VP-4 (proposed soil vapor probe)

Downgradient (North) Locations: TB-23/MW-L (proposed test boring/proposed top-of-rock groundwater monitoring well), VP-2 (proposed soil vapor probe), VP-3 (proposed soil vapor probe), BRMW-2 (proposed bedrock groundwater monitoring well)

Refer to Figure 9 for the locations of the soil vapor probes and monitoring wells described above.

4.4 Soil Vapor Studies

4.4.1 Initial Soil Vapor Assessment

An initial soil vapor assessment will be conducted in accordance with applicable provisions outlined by the New York State Department of Health (NYSDOH) in the document titled Guidance for Evaluating Soil Vapor Intrusion in the State of New York dated October 2006 (Guidance Document), including Section 2.7 (Sampling Protocols) and Section 2.8 (Quality Assurance/Quality Control).

DAY will retain the services of a drilling subcontractor to advance soil vapor probes (designated VP-2 through VP-5) in the locations presented on Figure 9. The soil vapor probes will be installed by advancing a direct-push test boring to a depth approximately 1 foot above the top of the groundwater based upon conditions observed in nearby monitoring wells. After reaching the targeted depth, a soil vapor probe (e.g., 6-inch long double woven stainless-steel screen attached to 3/8-inch Teflon lined tubing) will be installed in the borehole at the targeted depth. The borehole will then be backfilled with clean filter sand to a depth of at least 6 inches above the top of the soil vapor probe. Thereafter the remaining borehole will be backfilled with bentonite. A curb box or steel protective casing with locking cap will be placed over each vapor probe and cemented in-place

Subsequent to soil vapor probe installation; the reusable equipment will be cleaned with Alconox soap, or similar, and clean tap water.

Prior to sampling, the soil vapor sample probes will be tested for potential surface air infiltration using a helium tracer gas test in accordance with the provisions outlined in the NYSDOH guidance document. Assuming the helium concentration measured in the soil vapor probe is below 10% of the enriched atmosphere as required by NYSDOH guidance, the soil vapor probe will be purged of 1 to 3 volumes of air at a flow rate that does not exceed 0.2 liters per minute. Subsequent to purging of the soil vapor probe, sampling will commence. In the event a soil vapor probe fails the helium tracer test, the surface seal will be repaired and the test repeated until the helium is measured below the NYSDOH guidance.

Samples will be collected using 6-liter Summa canisters equipped with 2-hour regulators. The vacuum reading will be recorded at the start of the test and monitored throughout the test. In the event that the cold weather promotes condensation in the sample tubing during sample collection, tube warmers may be used to address this condition. In addition to the soil vapor samples, one background outdoor air sample will be collected approximately three feet off the ground from an upwind location, as determined at the time of sample collection, in a batch certified Summa canister during the same general two-hour period. Following collection, the Summa canisters will be transported under chain-of-custody control to the analytical laboratory for testing.

Refer to Section 4.7.3 for a discussion of the analyses that will be performed on the soil vapor samples and the background outdoor air sample.

4.4.2 Soil Vapor Intrusion

Following receipt of analytical data from the subsurface soil samples, the initial groundwater sampling event, and the initial soil vapor assessment (refer to Section 4.7.2, Section 4.7.3, and Section 4.7.4 for the proposed sampling program), a soil vapor intrusion (SVI) study workplan will be submitted to the NYSDEC for approval. The SVI study workplan will be prepared in general accordance with the NYSDOH Guidance Document. For planning purposes, it is anticipated that the SVI study will be conducted approximately eight weeks after the initial groundwater sampling event.

4.5 Test Borings and Monitoring Wells

4.5.1 Test Borings/Subsurface Soil Samples

Nine test borings (designated TB-20 through TB-28) will be advanced. Refer to Figure 9 for the locations of these test borings. [Note: SS-1 through SS-6 may also be advanced to greater than one ft. bgs, based on observations of HFM or other field observations.] These test borings will be advanced using a Geoprobe direct-push drill rig or Geoprobe hand-operated equipment. Where required, a concrete coring device will be used prior to advancement of the test boring.

Macrocore samples will be collected in continuous four-foot intervals. Samples will be classified, logged, screened with a PID, and the headspace above portions of the samples will be screened with a PID. Select soil samples will be collected for potential analytical analyses to confirm the field observation findings.

The soil sample selection for analysis criteria is provided below:

- Potential evidence of field contamination (elevated PID readings, staining, odors, presence of NAPL, etc.). Samples will be collected from the zone of greatest evidence of field contamination;

- Adjacent to subsurface structures of environmental concern such as utilities or other preferential pathways for contaminant migration; and

- At the bedrock/overburden interface.

Refer to Section 4.7.2 for a discussion of the analyses that will be performed on these soil samples.

It is anticipated that solid (i.e., soil/fill cuttings) study-derived wastes will be generated during the RI. Procedures for managing investigative derived wastes (IDW) are provided in Section 4.9.

4.5.2 Top-of-Rock Monitoring Well Installation

Six top-of-rock groundwater monitoring wells (MW-I through MW-N) will be installed using a two-inch inside diameter, schedule 40 PVC casing and screen materials. Refer to Figure 9 for the locations of these monitoring wells. A schematic top-of-rock monitoring well construction diagram

is shown on Figure 10. The well screen will consist of a 10-foot section of No. 10 slot screen PVC and will be attached to a solid PVC riser casing with a PVC cap that will extend from the top of the screened section to the ground surface. The actual length of the well screen may vary due to the field conditions encountered. Prior to installation of the well screen, the open test boring will be advanced to competent bedrock using hollow-stem augers.

The annulus around the well screen will be filled with a washed and graded silica sand pack that will be placed at least two feet above the top of the screen interval. A minimum two-foot thick bentonite seal will be placed above the sand pack and hydrated with potable water. Following hydration of the bentonite, the remaining annulus will be filled with cement/bentonite grout consisting of approximately 96% Portland type 1 (or similar) cement and 4% granular bentonite mixture, and water. The cement/bentonite grout will be tremied into the well annulus to approximately one foot below grade. A curb box or steel protective casing with locking cap will be placed over each well and cemented in-place (refer to Figure 10 for a schematic of the top-of-rock monitoring well construction).

4.5.3 Bedrock Monitoring Well Installation

Three bedrock monitoring wells (BRMW-1, BRMW-2, and BRMW-3) will be installed using a macro-core and hollow stem auger [assumed 6.25-inch inner diameter (ID)] from the surface to the top of bedrock. Refer to Figure 9 for the location of these bedrock monitoring wells. A minimum 2-foot rock socket will be installed into competent bedrock to accommodate a 4-inch steel surface casing which will be grouted in place and allowed to set for a minimum of 24 hours. The wells will be cored approximately 20 feet below the surface casing using a HQ/HX-sized core barrel. These bedrock wells will be completed as open-hole wells. A curb box or steel protective casing with locking cap will be placed over each well and cemented in-place (refer to Figure 11 for a schematic of the bedrock monitoring well construction).

[Note: The proposed location of BRMW-3 may be adjusted. The location of BRMW-3 will be chosen in consultation with the NYSDEC following receipt of analytical data from the subsurface soil samples, the initial groundwater sampling event, and the soil vapor assessment (refer to Section 4.7.2, Section 4.7.3, and Section 4.7.4 for the proposed sampling program). For planning purposes, it is anticipated that BRMW-3 will be installed approximately eight weeks after the initial groundwater sampling event.]

4.6 Groundwater Monitoring Well Development and Sampling

<u>Well Development</u>

At least two days following installation, the monitoring wells will be developed in accordance with the protocol outlined in the QAPP.

<u>Groundwater Sampling</u>

Two groundwater sampling events will be completed during this RI. During the first event (which will be conducted approximately two weeks after the development of monitoring wells MW-I through MW-N , BRMW-1, and BRMW-2), groundwater samples will be collected from monitoring

wells MW-A through MW-G, MW-I through MW-N, BRMW-1, and BRMW-2 (i.e., a total of 7 overburden monitoring wells, 6 top-of-rock monitoring wells and two bedrock monitoring wells). Bedrock monitoring well BRMW-3 will be sampled approximately eight weeks after the initial groundwater sampling event. [Note, the analytical data from the first groundwater sampling event will be used to assist in determining the location of bedrock monitoring well BRMW-3.] Note, as shown on the proposed project schedule, the second groundwater sampling event will be conducted approximately four months after the first groundwater sampling event, and bedrock monitoring well BRMW-3 will again be sampled as part of the second groundwater sampling event.

The groundwater samples will be collected using low-flow purging and sampling procedures. Low-flow sampling procedures are outlined in the QAPP. The groundwater samples collected during the first groundwater sampling event will be analyzed for the suite of parameters outlined in Table A. For the second groundwater sampling event, this Work Plan assumes that NYSDEC concurrence will be obtained to only test each of the groundwater monitoring wells for TCL VOCs plus TICs via USEPA Method 8260. [Note: Dependent on NYSDEC input, groundwater samples in the second round may also be collected using Passive Diffusion Bags (PDBs), as an alternative to low-flow sampling.]

The field parameters of pH, temperature, turbidity, dissolved oxygen (DO), and oxygen reduction potential (ORP) will be measured during each groundwater sampling event using a YSI water quality meter, or similar (refer to the QAPP in Appendix C).

Prior to use, and between the sampling of each monitoring well, the portable bladder pump and other reusable (non-disposable) groundwater sampling equipment will be decontaminated. Water generated from the well sampling and equipment decontamination activities will be containerized as IDW for later disposal. Procedures for managing IDW are provided in Section 4.9.

Also, as part of the first groundwater sampling event, three groundwater samples (i.e., groundwater samples collected from monitoring wells MW-E, MW-A, and MW-L) will be collected and tested for 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS). Groundwater samples will be collected from the above-referenced monitoring wells in pre-cleaned high-density polyethylene (HDPE) or polypropylene bottles using dedicated disposable high-density polyethylene (HDPE) and silicon tubing connected through a peristaltic pump. These three groundwater samples will be submitted to an Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis. The emerging contaminant sampling will be conducted using the protocols described in the following NSYDEC documents:

- *Collection of Groundwater Samples for Perfluorooctanoic Acid (PFOA) and Perfluorinated Compounds (PFCs) from Monitoring Wells Sample Protocol*, dated June 2016

- *Groundwater Sampling for Emerging Contaminants*, dated April 2018

A copy of these documents is included in Appendix I.

Surveying and Groundwater Potentiometric Surface Evaluation

A licensed land surveyor will measure the locations and elevations of each new and previously installed monitoring well. The elevations of the new monitoring wells will be measured in reference to an existing monitoring well. During each sampling event, static groundwater measurements will be collected from each monitoring well using an electronic static water level meter or an oil/water interface meter. Static water-level measurements will also be obtained during other portions of the RI, such as during the hydraulic conductivity testing activities described below. Groundwater elevations will be calculated for the two groundwater sampling events, and corresponding potentiometric groundwater contour maps will be prepared illustrating the approximate groundwater elevations and groundwater flow direction(s). The survey information and groundwater elevations will also be imported into the GIS database for the Site.

Physical Characterization

Slug tests will be conducted in three of the overburden or top-of-rock monitoring wells installed at the Site following completion of the first groundwater sampling event. The location and water-bearing units of the slug tests will be determined based on an evaluation of the RI data that was obtained. Based on the extent of contamination in the groundwater, the number of slug tests conducted in each water-bearing unit may change.

Slug tests will also be conducted in the two bedrock monitoring wells installed at the Site following completion of the first groundwater sampling event (i.e., BRMW-1 and BRMW-2).

4.7 Analytical Laboratory Testing and QA/QC

4.7.1 Crock Samples

One water sample (CS-1) will be collected from the crock located in the southern portion of the building. This water sample will be tested for the following parameters:

- TAL Metals
- Cyanide
- TCL and CP-51 List VOCs & TICs via USEPA Method 8260

If sediment is present in the base of the crock, one sample (SED-1) will be collected and will be tested for the following parameters:

- TAL Metals
- Cyanide
- TCL and CP-51 List VOCs & TICs via USEPA Method 8260
- TCL and CP-51 List SVOCs & TICs via USEPA Method 8270

4.7.2 Soil/Fill Samples

The additional soil/fill samples that will be collected as part of the RI are designed to produce data that will characterize soil/fill quality in areas where there is little or no data at the present time.

The proposed sample locations, as shown on Figure 9, are described below. The rationale for the selection of the proposed soil/fill sample locations is presented in Appendix F, and further discussed below.

A minimum of fifteen soil/fill samples will be collected from the test borings to be advanced at the Site, as identified in Table A. These soil/fill samples will be tested for the parameters discussed below:

Shallow Soil/Historic Fill Material (HFM)

Four samples (SS-1 through SS-4) will be tested for the following parameters:

- Total Petroleum Hydrocarbons (TPH)
- TAL Metals
- Cyanide
- TCL and CP-51 List SVOCs & TICs via USEPA Method 8270
- PCBs
- Pesticides

Two samples (SS-5 and SS-6) will be tested for the following parameters:

- PCBs

Surface soil samples SS-3 through SS-6 are located around the concrete pad of the transformer on the southern exterior of the Site (refer to Figure 9). Surface soil samples SS-3 and SS-4 will assess the human health exposure, HFM, and PCBs in the area of the transformer. Surface soil samples SS-5 and SS-6 will be tested only for PCBs; however, if observations of impacts are observed in soil samples collected from SS-5 or SS-6, additional testing will be conducted with the concurrence of the NYSDEC.

Also, if a PID reading of greater than five times background or 5 ppm, whichever is greater, is observed in these soil samples, then the soil samples will be tested for TCL and CP-51 List VOCs & TICs via USEPA Method 8260.

In addition, if more than one distinct type of HFM is encountered in a test boring, an additional discrete sample will be collected and analyzed for some or each of the parameters referenced above, subject to NYSDEC approval.

The testing of the shallow soil/HFM as outlined above is expected to sufficiently characterize soils located in areas without a cover (e.g., areas not under a concrete slab, asphalt-pavement, etc.).

Subsurface Soil

Subsurface soil samples will be collected from nine test borings and tested for the following parameters:

- TCL & CP-51 List VOCs & TICs via USEPA Method 8260: TB-20, TB-21, TB-22, TB-23, TB-24, TB-25, TB-26, TB-27, TB-28
- TCL & CP-51 List SVOCs & TICs via USEPA Method 8270: TB-21, TB-24
- TAL Metals: TB-21, TB-23, TB-24
- Cyanide: TB-20, TB-21, TB-22, TB-23, TB-24, TB-25
- Pesticides via USEPA Method 8081: TB-21, TB-22, TB-24

Three subsurface soil samples will be tested for pesticides as part of the RI (see above). These samples will be collected from the assumed location of the Site where insecticide production may have occurred (968-970 East Main Street).

[Note: PCBs were not detected at concentrations greater than laboratory detection limits in soil samples previously collected from this Site. DAY submitted the analytical data from the previous Phase II ESA activities to Vali-Data of WNY for data validation and preparation of a data usability summary report (DUSR). The DUSR validated the previously obtained PCB data. As a result, PCB analysis is only being conducted on the surface soil samples (SS-1 through SS-6).]

The results of the laboratory analyses of these samples will be evaluated by comparing them to applicable NYSDEC SCOs for soil.

The testing of the subsurface soils as outlined above is expected to sufficiently characterize soils across the Site (e.g., VOCs, SVOCs, metals, pesticides, and cyanide), and delineate the previously identified CVOCs.

4.7.3 Soil Vapor Samples

The five soil vapor samples (VP-1 through VP-5) and the background outdoor air sample (BG-1) will be submitted to a NYSDOH ELAP-certified analytical laboratory for analysis of VOCs via USEPA Method TO-15 using applicable ASP protocol. The analytical laboratory results will be provided in an ASP Category B data package. The analytical laboratory will be requested to meet the minimum reporting limit of 0.25 ug/m^3 for TCE and vinyl chloride, and 3 ug/m^3 for the remaining TO-15 list VOCs.

4.7.4 Groundwater Samples

A minimum of 7 overburden groundwater samples, 6 top-of-rock groundwater samples, and 3 bedrock groundwater samples will be collected from the monitoring wells to be installed or previously installed at the Site. These samples will be analyzed for the parameters discussed below and are summarized on Table A.

Initial (1st Round) Groundwater Sampling Event

Overburden and Top-of-Rock Groundwater Samples

Groundwater samples will be collected from 7 overburden groundwater monitoring wells, and 6 top-of-rock groundwater monitoring wells. These 13 groundwater samples will be tested for the parameters listed below:

- TCL & CP-51 List VOCs & TICs via USEPA Method 8260: MW-A, MW-B, MW-C, MW-D, MW-E, MW-F, MW-G, MW-I, MW-J, MW-K, MW-L, MW-M, MW-N
- TCL & CP-51 List SVOCs & TICs via USEPA Method 8270: MW-A, MW-J, MW-K, MW-L
- TAL Metals: MW-A, MW-J, MW-K, MW-L
- Cyanide: MW-A, MW-C, MW-I, MW-J, MW-K, MW-L, MW-M, MW-N

The testing outlined above is expected to characterize overburden and top-of-rock groundwater across the Site (e.g., VOCs, SVOCs, metals, and cyanide), and delineate the previously identified CVOCs.

Emerging Contaminants

Groundwater samples will be collected from two overburden and one top-of-rock wells (i.e., MW-A, MW-E, and MW-L) and analyzed for the parameters listed below:

- The 21-compound PFAS target analyte list provided by NYSDEC, using Modified United States Environmental Protection Agency (USEPA) Method 537, with reporting limits for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) not to exceed 2 nanograms per liter (ng/L) or parts per trillion (ppt)

- 1,4-Dioxane using USEPA Method 8270 in selective ion monitoring (SIM) mode, with method detection limit (MDL) for 1,4-dioxane not to exceed 0.28 micrograms per liter (µg/L) or ppb

Bedrock Groundwater

As part of the initial (1st Round) groundwater sampling event, groundwater samples will be collected from two bedrock monitoring wells (i.e., BRMW-1 and BRMW-2) and analyzed for TCL & CP-51 List VOCs & TICs via USEPA Method 8260. This testing will assist in characterizing bedrock groundwater in both an upgradient and downgradient locations.

Additional Bedrock Groundwater Sampling

Bedrock well BRMW-3 will be installed following receipt and review of the analytical laboratory results from the initial (1st Round) groundwater sampling event. The location of BRMW-3 will be determined in consultation with the NYSDEC. The groundwater sample collected from bedrock monitoring well BRMW-3 will be analyzed for TCL & CP-51 List VOCs & TICs via USEPA Method 8260. This testing will assist in characterizing bedrock groundwater in proximity of the apparent source area.

Second (2nd Round) Groundwater Sampling Event

As part of this Work Plan, it is assumed that NYSDEC concurrence will be obtained so that groundwater samples collected from the 7 overburden monitoring wells, the 6 top-of-rock monitoring wells, and the 3 bedrock monitoring wells during the second groundwater sampling event will only be tested for TCL & CP-51 List VOCs & TICs via USEPA Method 8260. Additional

parameters may be added to the analysis based on the analytical results from the first groundwater sampling event.

4.7.5 Analytical Laboratory Quality Assurance/Quality Control

The QA/QC program to be implemented by the laboratory used for this project is described in the QAPP. Analytical laboratory test results will be reported in NYSDEC Analytical Services Protocol (ASP) Category B deliverable reports. In addition, analytical laboratory results will be provided to the NYSDEC using the NYSDEC's Equis Format.

A NYSDEC approved data validator (currently anticipated to be Vali-Data of Western New York, refer to the QAPP) will independently prepare a Data Usability Summary Report (DUSR) in accordance with the provisions set forth in Appendix 2B of DER-10. The findings of the DUSR(s) will be incorporated into analytical laboratory tables that will be included in the RI report and other associated reports, as applicable. Further information is provided in the QAPP.

4.8 Fish and Wildlife Impact Analysis

An evaluation will be performed using the Fish and Wildlife Resource Impact Analyses (FWRIA) Decision Key to determine whether a Fish and Wildlife Resource Impact Analysis is needed. If this evaluation concludes that a Fish and Wildlife Resource Impact Analyses is required, then that document will be prepared and submitted to NYSDEC as part of the work to be implemented in accordance with this Work Plan.

4.9 Investigation Derived Wastes

It is anticipated that solid and liquid study-derived wastes will be generated during the RI. IDW will be managed in general accordance with the applicable provisions set forth of DER-10 Section 3.3(e). The method for handling, characterization and disposal of IDW is described below.

- Potentially contaminated liquid wastes will likely include: decontamination water, drilling water, well development water, and purge water. Storage of liquid IDW will be generally collected in 55-gallon drums, which will be stored on the Site in a secure location. Liquids that are grossly contaminated or suspected to contain NAPL may be placed in separate drums, will be stored in an area with secondary containment, and labeled accordingly. Management of liquid IDW following completion of the groundwater sampling may be modified following review of the data generated during the RI. It is anticipated that liquid IDW will be discharged to the City of Rochester sanitary sewer system under a sewer use permit.

- Obtaining a sewer use permit may require sampling the IDW for parameters of concern. Sampling results of IDW necessary to obtain a sewer use permit will be incorporated into the RI/RAA Report. A copy of the sewer use permit will be provided to the NYSDEC prior to any discharge to the sanitary sewer system, and will also be included in the RI/RAA Report. Drummed liquid IDW that is grossly contaminated or suspected to contain NAPL will also be characterized using the investigation test results and other sampling data as necessary to dispose or treat the material in accordance with applicable regulations.

- Potentially contaminated solid wastes will likely include disposable sampling equipment and personal protective equipment (PPE), soil samples that were collected but not selected for analytical laboratory testing, and soil cuttings from rotary drilling operations. It is anticipated that the solid IDW will be placed in 55-gallon drums. As an exception, solids that are grossly contaminated or suspected to contain NAPL may be placed in separate drums and labeled accordingly. The IDW solids will be characterized and disposed off-site in accordance with applicable regulations. If re-use of the IDW is possible based on a review of the RI analytical results, the NYSDEC will be notified of the proposed re-use of IDW for approval prior to implementation.

5.0 INTERIM REMEDIAL MEASURE

An Interim Remedial Measure (IRM) consisting of a groundwater extraction well(s), on-site treatment of extracted groundwater, and permitted discharge to the sewer system is proposed to address CVOC-impacted groundwater identified in the apparent source area(s) of the Site. An IRM Pre-Design Work Plan (PDWP) dated December 2018 has been prepared and submitted to the NYSDEC. The IRM PDWP identifies the data needed to complete the design of the groundwater pump and treat system, and the proposed methods to collect the needed data. Subsequent to completing the NYSDEC-approved IRM PDWP scope of work and RI field activities (e.g., slug tests, initial groundwater sampling, elevation survey etc.) identified in the IRM PDWP, an IRM Work Plan that includes the design of the pump and treat system will be prepared and submitted to the NYSDEC for review and public comment. The IRM Work Plan will present the nature and extent of contamination, provide the design of the pump and treat system, identify the required permits or other authorizations needed, provide a project schedule and include post-construction plans. After the IRM Work Plan is approved by the NYSDEC, the IRM will be implemented and evaluated in accordance with the IRM Work Plan.

6.0 REMEDIAL INVESTIGATION and REMEDIAL ALTERNATIVES ANALYSIS REPORT

The Remedial Investigation and Remedial Alternatives Analysis (RI/RAA) report will be prepared in accordance with provisions set forth in DER-10. The RI/RAA report will present the findings and outcome of the RI, the results of the IRM(s) completed, and an analysis and recommendation of remedial alternatives. An executive summary will be included in the RI/RAA report.

The RI portion of the report will include, but will not be limited to, the following components:

- Technical overview and details on the investigative work performed;
- A description of the physical characteristics of the Site, including soil/fill types, hydrogeological characteristics, proximity to a drinking water aquifer, absence of surface water, floodplains, and wetlands for this specific Site, etc.;
- Identification of the nature and extent of contamination, including identification of known or suspected sources of contamination;
- A discussion on contaminant fate and transport, including potential routes of migration, contaminant persistence, and documented contaminant migration, as well as, factors that affect contaminant migration;
- A qualitative human health exposure assessment and completion of a Fish and Wildlife Resources Impact Analysis (FWRIA) Decision Key;
- A Summary and Conclusions section, including identification of data limitations or recommendations for future work;
- Identification of recommended Remedial Action Objectives (RAOs);
- A discussion of the IRM(s) implemented at the Site
- Appropriate figures including a project locus map, site plan depicting Site features, sample location figures and results of various testing [e.g., contaminants of concern (if any) detected in soil, groundwater or other media, including isopleth maps], overburden potentiometric groundwater contour maps, a figure showing the extent of fill material at the Site, etc.;
- Stratigraphic cross-sections prepared using information and data obtained during the investigation;
- Identification of SCG values that pertain to the Site;

- Data tables including:
    - tables providing specifics on each sample tested (e.g., sample designation; locations specified by New York West FIPS 3103 NAD 83 coordinates; table of sample point elevations in feet above mean sea level for surveyed locations, consistent with reference datum to be used for the EDD submittal;
    - date;
    - depth interval;
    - test parameters;
    - summary tables comparing detected constituents to appropriate regulatory SCG values;
    - tables summarizing the nature and extent of constituents detected at the Site; and
    - tables for other various investigation-related data or information.

The analytical laboratory results for soil samples tested will be compared to appropriate NYSDEC Part 375 SCOs and CP-51 Supplemental SCOs. The analytical laboratory results for groundwater samples will be compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 groundwater standards and guidance values;

- Analytical laboratory reports and associated QA/QC evaluation (e.g., DUSRs) as an electronic appendix in .pdf format;

- Field logs and data, including test boring logs, well construction diagrams, well development logs, well sampling logs, hydraulic conductivity testing data, PID readings from soil screening, and any CAMP monitoring;

- Photographs;

- Conclusions and recommendations regarding the extent of the areas of concern, identification of any complete or potentially complete exposure pathways, and recommendations for future work (e.g. none, additional investigation, or an evaluation of remedial alternatives);

- An updated conceptual site model; and

- Other information as deemed appropriate.

Data generated as part of the RI will be submitted to the NYSDEC in the appropriate EDD format. Analytical data will be submitted when the DUSR is received, but no later than 90 days after receipt of the laboratory data package. Any required non-analytical data will be submitted within 90 days of being generated.

The RAA portion of the report will discuss potential remediation options for addressing impacts documented in the RI portion of the report. A detailed evaluation will be conducted for each identified remedial alternative, taking into consideration factors identified in DER-10. Evaluation criteria include, but are not limited to:

- Overall protection of human health and the environment, including potential exposures;
- Compliance with SCG values;
- Long-term effectiveness and permanence;
- Short-term impact and effectiveness;
- Reduction of toxicity, mobility and/or volume;
- Implementability;
- Land use;
- Community acceptance, and
- Cost effectiveness.

The RAA will identify general response actions including an estimate of the volumes/areas of contaminated media. General response actions include categories such as treatment, containment, excavation, extraction, disposal, institutional controls, engineering controls, or various combinations. Cumulative data will be used as the project progresses to modify general response actions as deemed appropriate. Where presumptive remedies are available to address an area of contaminated media, they will be strongly considered; however, innovative technologies will also be considered. Applicable general response actions will be developed on a medium-specific basis, similar to the development of RAOs. For each medium addressed, the volumes or areas to be remediated will be identified and characterized with respect to requirements for protectiveness, taking into account the chemical and physical characterization. During this step, technologies that are not suitable for the Site will be eliminated from further consideration.

Technology types for each general response action associated with an impacted media will be screened for appropriateness. Technology types may include chemical treatment, enhanced biodegradation, capping, thermal destruction, dewatering, etc. The technologies that appear feasible and capable of meeting the SCG goals will be used in development of remedial alternatives for the Site. The technologies will then be assembled into site-wide remedial alternatives. The following components of each alternative will be discussed: size and configuration of processes; anticipated remediation duration; spatial requirements; disposal options; permit requirements; and beneficial or adverse impacts on fish and wildlife.

A Unrestricted Use alternative and a No Action alternative will also be developed and evaluated for the Site. Other alternatives will be developed that consider the following hierarchy of preference:

- Source removal: Free product, concentrated solid or semi-solid hazardous substances, DNAPL, light non-aqueous phase liquid and/or grossly contaminated media will be removed and/or treated to the greatest extent feasible.

- Containment of source: Any source remaining following removal and/or treatment shall be contained to the greatest extent feasible.

- Eliminate/limit exposures to the source to the greatest extent feasible.

- Treatment at point of exposure as a last resort.

The remedial alternatives will then be compared to the evaluation criteria and a comparative analysis will be completed. Based on the remedial alternative analysis, a remedial alternative for the Site will be recommended, which will include a discussion on the reasons for selection. The criteria of community acceptance will be evaluated upon completion of the public comment period.

The objectives of the RAA for this project are to identify, evaluate, and select a remedy or alternative remedies to address the contamination identified by the RI in accordance with the provision of Chapter 4 of DER-10. This includes:

1. Identifying remedial goals.

2. Identifying RAOs for the protection of public health and the environment.

3. Evaluating baseline considerations associated with:

    a. protection of public health and the environment;
    b. addressing sources of contamination;
    c. bulk storage tank and containment vessels; and
    d. groundwater protection and control measures.

4. Evaluating other considerations associated with remedial alternatives to address the contamination on the Site to the extent applicable, such as the potential for soil vapor intrusion, and impacts on adjacent properties.

5. Evaluating the need for a cover system, such as a soil or pavement cover, if contamination is present in exposed surface soil.

6. Evaluating the alternatives in relation to threshold criteria and primary balancing criteria listed in Section 4.2 of DER-10.

The RI/RAA Report will be submitted to the NYSDEC for review and comment. Following review and comment from the NYSDEC, the RI/RAA Report will be finalized, stamped and signed by a

currently-registered New York State licensed Professional Engineer (P.E.) prior to approval by the NYSDEC. Based on the findings of the RI/RAA Report, the NYSDEC will prepare a Proposed Remedial Action Plan (PRAP) summarizing the proposed remedy for the Site. The final RI/RAA Report will include an electronic copy in the appropriate PDF format required by the NYSDEC.

7.0 PROJECT SCHEDULE

The project schedule for the RI scope of work described in this Work Plan is presented in Figure 12. The specific tasks, task duration, and completion dates shown on Figure 12 are summarized below.

Task	Duration (weeks)	Completion Date *
Approval of Work Plan	0	- -
Site Investigation		
Utility Assessment; Contractor Selection; Surface Soil Sample Collection; Soil Borings; and Well Installation (MW-I through MW-N)	6	6
Well Installation (BRMW-1 and BRMW-2); Monitoring Well Development; Soil Sample Lab Analyses and begin DUSR Preparation	4	10
Groundwater Sampling (1st Round); Slug Tests; Site Survey	4	14
Groundwater Sample Lab Analyses and begin DUSR Preparation	4	18
Well Installation (BRWM-3), Well Development; Well Sampling; Groundwater Sample Lab Analysis; Soil Vapor Intrusion (SVI) Study; IRM Pre-Design Work Plan Implementation (Refer to schedule in Pre-Design Work Plan)	12	30
Groundwater Sampling (2nd Round); Prepare and Submit Final IRM Work Plan to the NYSDEC	2	32
NYSDEC Review of Final IRM Work Plan; Groundwater Sample Lab Analyses and begin DUSR Preparation	6	38
IRM Construction and Implementation; Start Preparation of Draft RI/RAA Report	10	48
IRM Start-up Testing and Calibration; Continue Preparation of Draft RI/RAA Report	2	50
Continue Preparation of Draft RI/RAA Report, and Submit RI/RAA Report to the NYSDEC	2	52

* Weeks following NYSDEC approval of the RI/RAA Work Plan.

Adherence to this schedule will be monitored and the status of the work will be described in monthly progress reports that will be submitted to NYSDEC.

8.0 REFERENCES

City of Rochester: Chapter 59, Article III § 59-27 of the current Charter and Code of the City of Rochester, New York (Rochester Charter)

DAY: Draft Phase I Environmental Site Assessment, 962, 966, 972-974 East Main Street, Rochester, NY; Day Environmental, Inc., June 13, 2016.

NYSDEC: NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1). New York State Department of Environmental Conservation; June 1998, including April 2000 and June 2004 addendum tables.

NYSDOH: Guidance for Evaluating Soil Vapor Intrusion in the State of New York; New York State Department of Health; October 2006.

NYSDEC: 6 NYCRR Part 375-2 Inactive Hazardous Waste Disposal Program; New York State Department of Environmental Conservation; December 14, 2006.

NYSDEC: CP-51/Soil Cleanup Guidance. New York State Department of Environmental Conservation; October 21, 2010.

NYSDEC: DER-10 Technical Guidance for Site Investigation and Remediation, New York State Department of Environmental Conservation; May 3, 2010.

NYSDEC: Record of Decision, Staubs Textile Services, Inc., Operable Unit Number 01: On-Site Soils, State Superfund Project, Rochester, Monroe County, Site No. 828160; Division of Environmental Remediation, New York State Department of Environmental Conservation; February 2017

NYSDEC: Draft OU2 (Groundwater) Remedial Investigation Report for the Staubs Textile Services, Inc. Site Rochester, Monroe County, New York, Site No. 828160; Ecology and Environment Engineering, P.C.; January 2018.

9.0 ACRONYMS

ASP	Analytical Services Protocol
CAMP	Community Air Monitoring Plan
CVOC	Chlorinated Volatile Organic Compound
DAY	Day Environmental, Inc.
DCE	Dichloroethene
DNAPL	Dense Non-Aqueous Phase Liquid
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
GIS	Geographic Information System
GPS	Global Positioning System
HASP	Health and Safety Plan
IDW	Investigation-Derived Waste
IRM	Interim Remedial Measure
LNAPL	Light Non-Aqueous Phase Liquid
µg/l	micrograms per liter
mg/kg	milligrams per kilogram
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NAPL	Non-Aqueous Phase Liquid
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene/Perchloroethene
PDWP	Pre-Design Work Plan
PID	Photoionization Detector
PPE	Personal Protective Equipment
PVC	Polyvinyl Chloride
QAP	Quality Assurance Plan
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAOs	Remedial Action Objectives
RCRA	Resource Conservation and Recovery Act
RI/RAA	Remedial Investigation/Remedial Alternatives Analysis
ROD	Record of Decision
SCG	Standards, Criteria, and Guidance
SCO	Soil Cleanup Objectives
SOP	Standard Operating Procedure
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

Tables

Table A
Proposed Analytical Laboratory Testing Schedule

962, 966, 972-974 East Main Street
Rochester, New York

BCP Site No: C828210

Test Boring/ Monitoring Well ID	Matrix	TPH	TCL & CP-51 VOCs & TICs 8260	TCL & CP-51 SVOCs & TICs 8270	TAL Metals	Cyanide	PCBs	Pesticides	TO-15 VOCS	PFAS	1,4-Dioxane
MW-I	Groundwater+		•			•					
MW-J	Groundwater+		•	•	•	•					
MW-K	Groundwater+		•	•	•	•					
MW-L	Groundwater+		•	•	•	•				•	•
MW-M	Groundwater+		•			•					
MW-N	Groundwater+		•			•					
MW-A	Groundwater+		•	•	•	•				•	•
MW-B	Groundwater+		•								
MW-C	Groundwater+		•			•					
MW-D	Groundwater+		•								
MW-E	Groundwater+		•							•	•
MW-F	Groundwater+		•								
MW-G	Groundwater+		•								
BRMW-1	Groundwater+		•								
BRMW-2	Groundwater+		•								
BRMW-3	Groundwater+		•								
VP-1	Soil Vapor								•		
VP-2	Soil Vapor								•		
VP-3	Soil Vapor								•		
VP-4	Soil Vapor								•		
VP-5	Soil Vapor								•		
BG-1	Ambient Air								•		
TB-20	Soil/Fill		•			•					
TB-21	Soil/Fill		•	•	•	•		•			
TB-22	Soil/Fill		•			•		•			
TB-23	Soil/Fill		•		•	•					
TB-24	Soil/Fill		•	•	•	•		•			
TB-25	Soil/Fill		•			•					
TB-26	Soil/Fill		•								
TB-27	Soil/Fill		•								
TB-28	Soil/Fill		•								
SS-1*	Soil/Fill	•	*	•	•	•	•	•			
SS-2*	Soil/Fill	•	*	•	•	•	•	•			
SS-3*	Soil/Fill	•	*	•	•	•	•	•			
SS-4*	Soil/Fill	•	*	•	•	•	•	•			
SS-5	Soil/Fill						•				
SS-6	Soil/Fill						•				
CS-1	Groundwater		•		•	•					
SED-1**	Sediment		•	•	•	•					
EW-1***	Groundwater		•								

TPH = Total Petroleum Hydrocarbons
TCL = Target Compound List
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
RCRA = Resource Conservation Recovery Act
TAL = Target Analyte List
PFAS = Per- and Poly-Fluorinated Alkyl Compounds

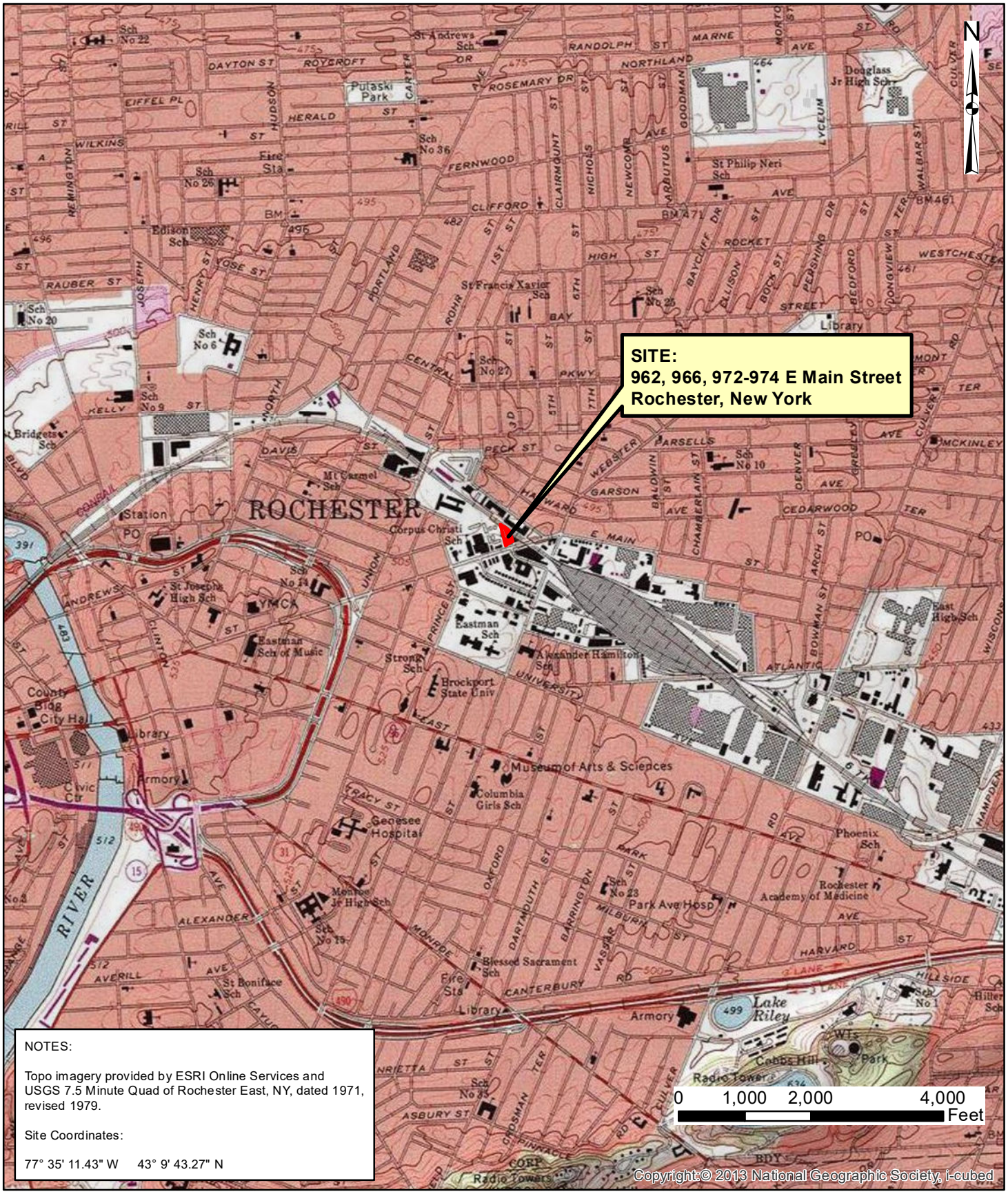
* If a PID reading of greater than five times background, or 5 ppm, whichever is greater, is observed in the soil sample, then the soil sample will also be tested for TCL and CP-51 List VOCs and TICs via USEPA Method 8260

**Sample SED-1 will be collected if sediment is observed in the bottom of the crock located in the southern portion of the site building

***Groundwater collected from EW-1 will be tested for Sewer Use Permit Requirements

+ Initial (1st Round) Groundwater Sampling Event. NYSDEC concurrence will be obtained regarding the analyses that will be conducted during the Second Round Groundwater Sampling Event

Figures



NOTES:

Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Rochester East, NY, dated 1971, revised 1979.

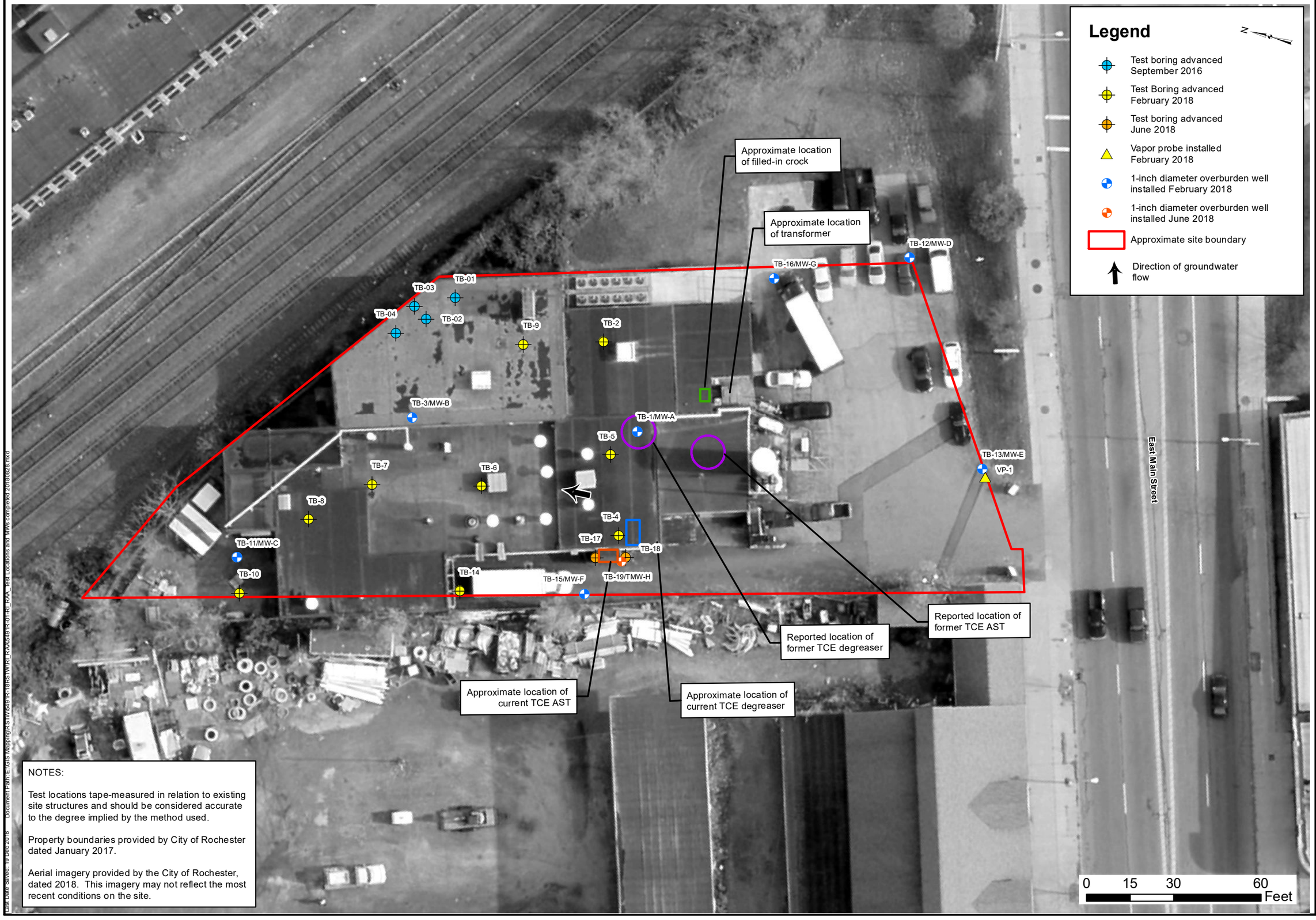
Site Coordinates:

77° 35' 11.43" W 43° 9' 43.27" N

Document Path: E:\GIS Mapping\RSTW\5491R-18RSTW\RI_RAA\5491R-06- Locus.mxd

Last Date Saved: 19 Dec 2018

Date: 02-20-2018 Drawn By: CPS Scale: AS NOTED	**DAY ENVIRONMENTAL, INC.** Environmental Consultants Rochester, New York 14606 New York, New York 10170	Project Title: 962, 966, 972-974 EAST MAIN STREET ROCHESTER, NEW YORK NYSDEC SITE NO. C828210 RI/RAA WORK PLAN Drawing Title: Project Locus Map	Project No. 5491R-18 FIGURE 1



NOTES:

Test locations tape-measured in relation to existing site structures and should be considered accurate to the degree implied by the method used.

Property boundaries provided by City of Rochester dated January 2017.

Aerial imagery provided by the City of Rochester, dated 2018. This imagery may not reflect the most recent conditions on the site.

DESIGNED BY	HMM
DRAWN BY	HMM/CPS
SCALE	AS NOTED
DATE	12-2018
DATE DRAWN	12-2018
DATE ISSUED	12-18-2018

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
962, 966, 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NO. C828210
RI/RAA WORK PLAN

Drawing Title
Site Plan with the Location of Test Borings/Monitoring Wells Completed to Date

Project No.
5491R-18

FIGURE 2

NOTES:

Property boundaries provided by City of Rochester, dated January 2017.

Aerial imagery provided by the New York State GIS Clearinghouse, dated 2018. This imagery may not reflect the most recent conditions on the site.

Last Date Saved: 19-Dec-2018 Document Path: E:\GIS Mapping\RSTW\5491R-18\RSTWIR1_RAA\5491R-07-Surrounding Properties.mxd

DESIGNED BY	DATE
JAD	12-2018
DRAWN BY	DATE DRAWN
CPS	12-2018
SCALE	DATE ISSUED
AS NOTED	12-18-2018

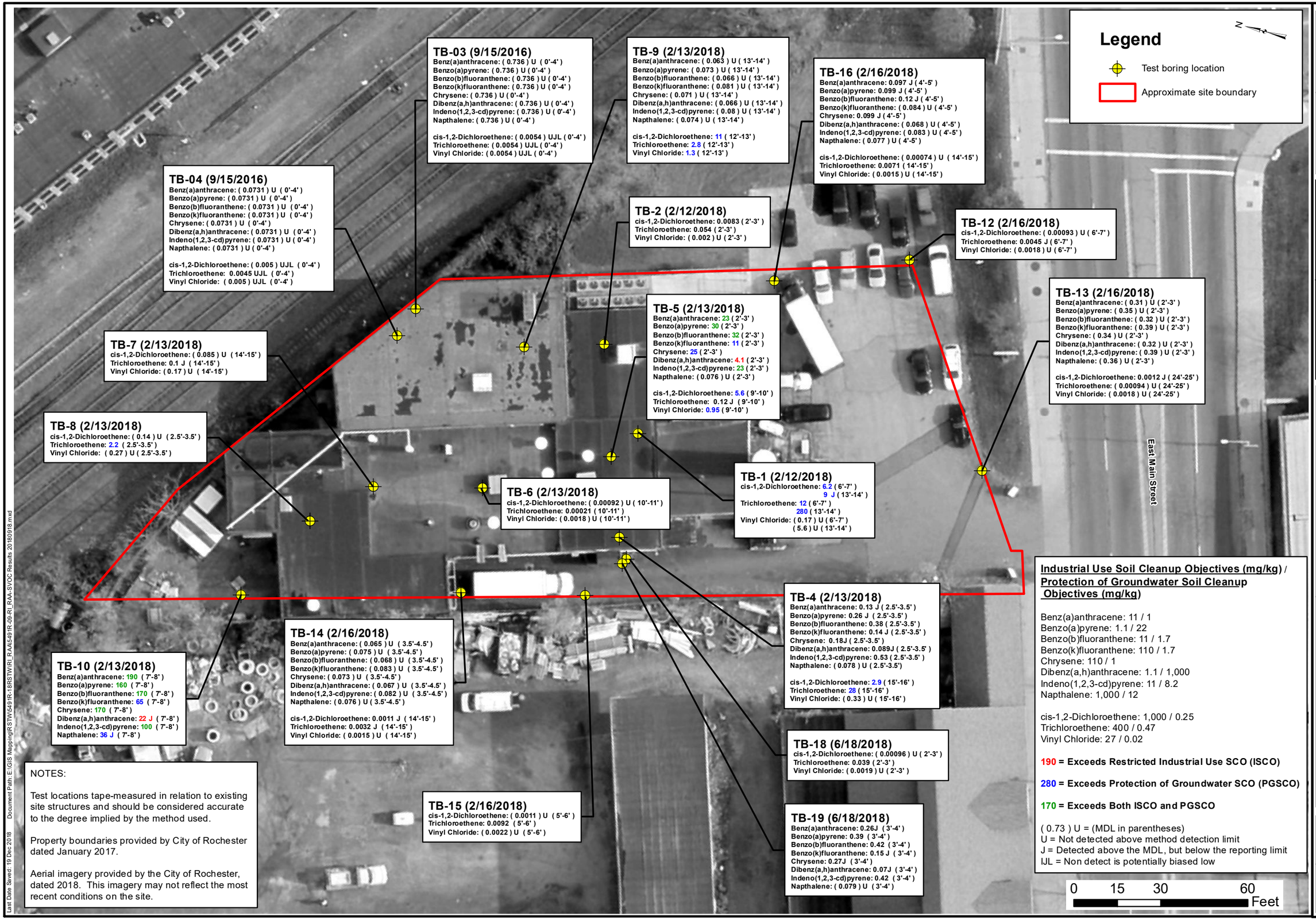
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
962, 966, 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NO. C828210
RI/RAA WORK PLAN

Drawing Title
Site Plan with Surrounding Properties

Project No.
5491R-18

FIGURE 3



DESIGNED BY HMM
DRAWN BY CPS
DATE 12-2018
DATE DRAWN 12-2018
SCALE AS NOTED
DATE ISSUED 12-19-2018

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

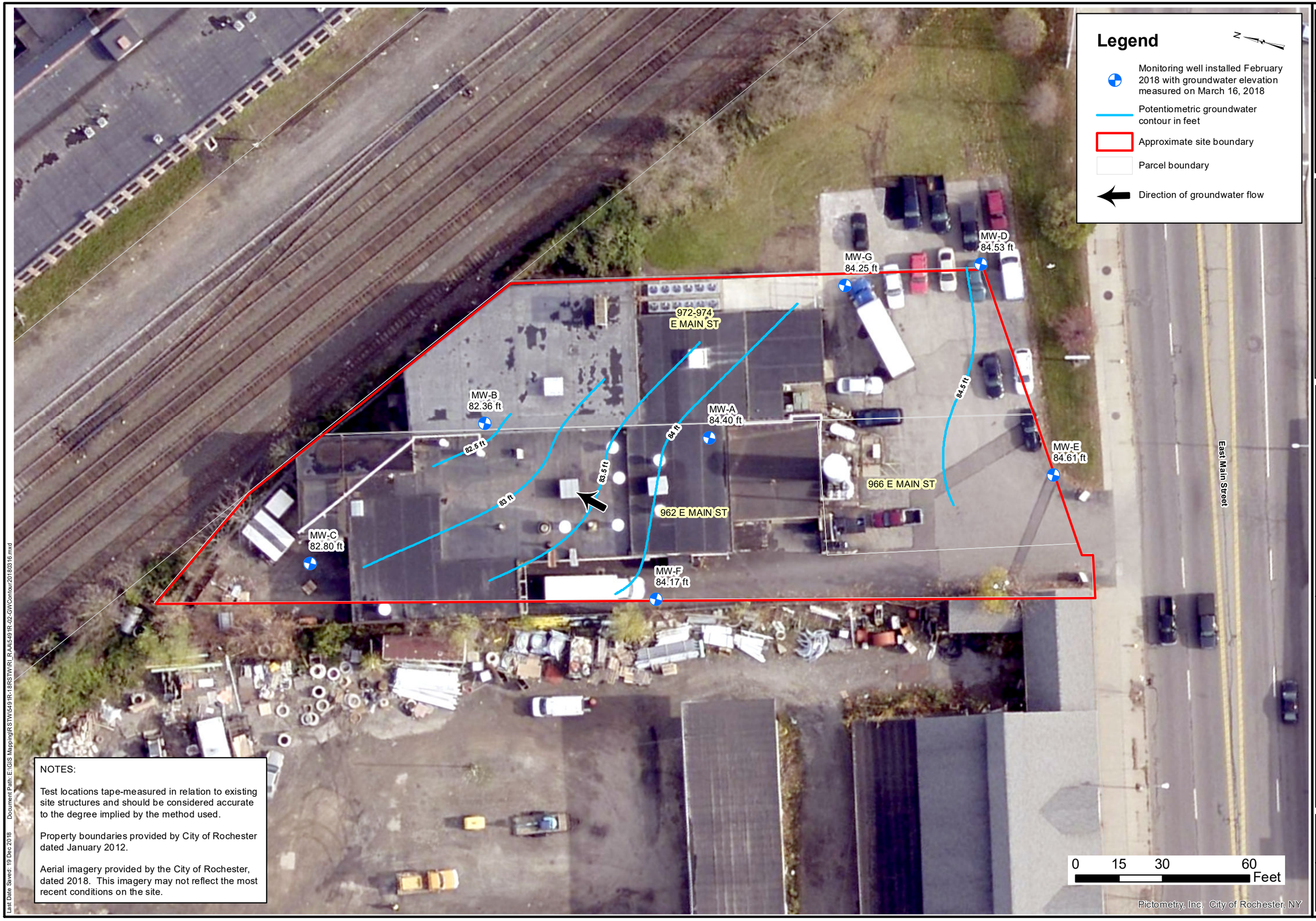
Project Title
962, 966, 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NO. C828210
RI/RAA WORK PLAN

Drawing Title
Site Plan with Contaminants in Soil/Fill Samples Detected Above Restricted Industrial Use Soil Cleanup Objectives and/or Protection of Groundwater Soil Cleanup Objectives

Project No.
5491R-18

FIGURE 4

Last Date Saved: 19 Dec 2018 Document Path: E:\GIS Mapping\RSTW\5491R-18\RSTW\RI_RAA\5491R-09-RI_RAA-SVOC Results 20180918.mxd



NOTES:

Test locations tape-measured in relation to existing site structures and should be considered accurate to the degree implied by the method used.

Property boundaries provided by City of Rochester dated January 2012.

Aerial imagery provided by the City of Rochester, dated 2018. This imagery may not reflect the most recent conditions on the site.

Last Date Saved: 19 Dec 2018 Document Path: E:\GIS Mapping\RSTW\5491R-18RSTW\RI_RAA\5491R-02-GWContour20180316.mxd

DESIGNED BY	DRAWN BY	SCALE	DATE
JAD	CPS	AS NOTED	04-05-2018
DATE	DATE DRAWN	DATE ISSUED	
03-2018	03-2018		

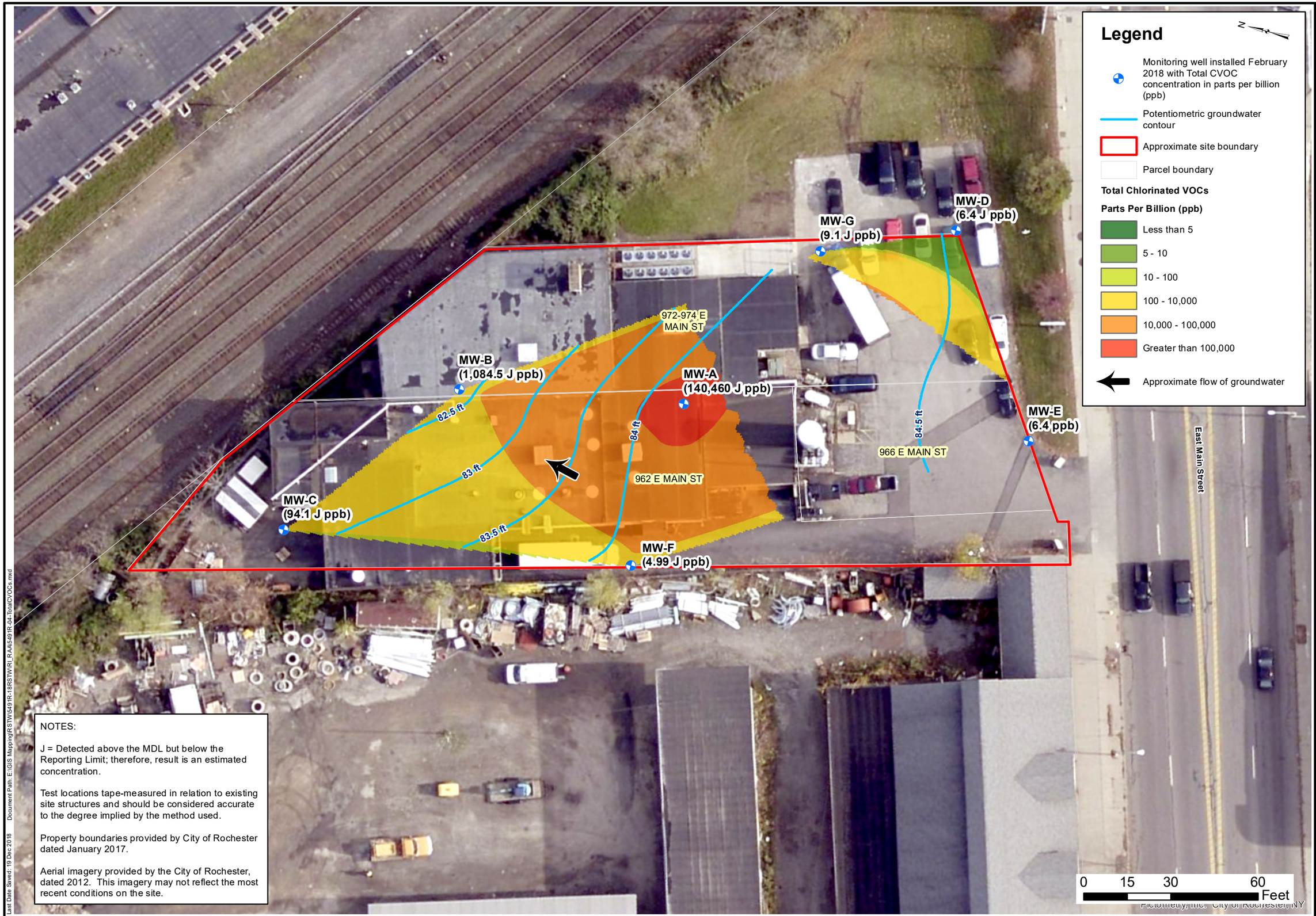
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
962, 966, 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NO. C828210
RI/RAA WORK PLAN

Drawing Title
Potentiometric Groundwater Contour Map for March 16, 2018

Project No.
5491R-18

FIGURE 5



NOTES:

J = Detected above the MDL but below the Reporting Limit; therefore, result is an estimated concentration.

Test locations tape-measured in relation to existing site structures and should be considered accurate to the degree implied by the method used.

Property boundaries provided by City of Rochester dated January 2017.

Aerial imagery provided by the City of Rochester, dated 2012. This imagery may not reflect the most recent conditions on the site.

Photometry, Inc. City of Rochester, NY

DESIGNED BY	DATE	DRAWN BY	DATE DRAWN
JAD	04-2018	CPS	04-2018
SCALE	DATE ISSUED		
AS NOTED	04-17-2018		

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
962, 966, 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NO. C828210
RI/RAA WORK PLAN

Drawing Title
Site Plan Showing Concentrations of Total Chlorinated VOCs Detected in Groundwater on March 16, 2018

Project No.
5491R-18

FIGURE 6

Last Date Saved: 19 Dec 2018 Document Path: E:\GIS Mapping\RSTW\5491R-18\RSTWRI_RAA\5491R-04-TotalCVOCs.mxd

Legend

- Monitoring well installed February 2018 with Total TCE concentration in parts per billion (ppb)
- Potentiometric groundwater contour
- Approximate site boundary
- Parcel boundary

Trichloroethene (TCE)

Parts Per Billion (ppb)

- Less than 5
- 5 - 60
- 60 - 600
- 600 - 6,000
- 6,000 - 60,000
- Greater than 60,000

- Approximate flow of groundwater

MW-G (6 ppb)
MW-D (2.5 J ppb)
MW-B (690 ppb)
MW-A (95,000 ppb)
MW-E (0.22) U
MW-C (52 ppb)
MW-F (4.2 J ppb)
84 ft
84.5 ft
82.5 ft
83 ft
83.5 ft
972-974 E MAIN ST
962 E MAIN ST
966 E MAIN ST
East Main Street

NOTES:

J = Detected above the Method Detection Limit (MDL) but below the Reporting Limit; therefore, result is an estimated concentration.

U = Not detected above MDL

Test locations tape-measured in relation to existing site structures and should be considered accurate to the degree implied by the method used.

Property boundaries provided by City of Rochester dated January 2017.

Aerial imagery provided by the City of Rochester, dated 2018. This imagery may not reflect the most recent conditions on the site.

0 15 30 60 Feet

Pictometry, Inc. City of Rochester, NY

DESIGNED BY	DATE	DRAWN BY	DATE DRAWN	SCALE	DATE ISSUED
JAD	04-2018	CPS	04-2018	AS NOTED	04-17-2018

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
962, 966, 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NO. C828210
RI/RAA WORK PLAN

Drawing Title
Site Plan Showing Concentrations of Trichloroethene (TCE) Detected in Groundwater on March 16, 2018

Project No.
5491R-18

FIGURE 7

Last Date Saved: 19 Dec 2018 Document Path: E:\GIS Mapping\RSTW\549\IR-18RSTW\RI_RAA\549IR-05-TCE.mxd

Legend

- 1-inch diameter overburden well installed February 2018
- Potentiometric groundwater contour in feet (groundwater elevations measured on March 16, 2018)
- Approximate site boundary
- Direction of groundwater flow

MW-B (3/16/2018)
1,2,4-TMB: (1.0) U
CHCl3: (1.3) U
1,1,1 - TCA: 4.8 J
PCE: 1.8 J
TCE: 690
c-1,2-DCE: 360
t-1,2-DCE: 1.9 J
VC: 26
Pb: NT
Se: NT

MW-G (3/16/2018)
1,2,4-TMB: (0.2) U
CHCl3: (0.25) U
1,1,1 - TCA: (0.36) U
PCE: (0.3) U
TCE: 6
c-1,2-DCE: 3.1 J
t-1,2-DCE: (0.33) U
VC: (0.32) U
Pb: 36 J
Se: (4) U

MW-D (3/16/2018)
1,2,4-TMB: (0.2) U
CHCl3: (0.25) U
1,1,1 - TCA: (0.36) U
PCE: (0.3) U
TCE: 2.5 J
c-1,2-DCE: 3.4 J
t-1,2-DCE: (0.33) U
VC: 0.5 J
Pb: NT
Se: NT

MW-A (3/16/2018)
1,2,4-TMB: 140 J
CHCl3: 840 J
1,1,1-TCA: (180)* U
PCE: (150)* U
TCE: 95,000
c-1,2-DCE: 43,000
t-1,2-DCE: 260
VC: 2,200
Pb: NT
Se: NT

MW-E (3/16/2018)
1,2,4-TMB: (0.20) U
CHCl3: 15
1,1,1 - TCA: (0.36) U
PCE: (0.3) U
TCE: (0.22) U
c-1,2-DCE: 6.4
t-1,2-DCE: (0.33) U
VC: (0.32) U
Pb: NT
Se: NT

MW-C (3/16/2018)
1,2,4-TMB: (0.2) U
CHCl3: (0.22) U
1,1,1 - TCA: (0.36) U
PCE: 1.5 J
TCE: 52
c-1,2-DCE: 37
t-1,2-DCE: 1.4 J
VC: 2.2
Pb: 34 J
Se: 11

MW-F (3/16/2018)
1,2,4-TMB: (0.20) U
CHCl3: 0.47 J
1,1,1 - TCA: (0.36) U
PCE: (0.3) U
TCE: 4.2 J
c-1,2-DCE: 0.79 J
t-1,2-DCE: (0.33) U
Vinyl Chloride: (0.32) U
Pb: 26 J
Se: 7 J

82.5
83
83.5
84
84.5

East Main Street

0 15 30 60 Feet

NOTES:

All data reported in micrograms per Liter (ug/L) or parts per billion (ppb).

Test locations tape-measured in relation to existing site structures and should be considered accurate to the degree implied by the method used.

Property boundaries provided by City of Rochester dated January 2017.

Aerial imagery provided by the City of Rochester, dated 2012. This imagery may not reflect the most recent conditions on the site.

TOGS 1.1.1 Groundwater Standard Guidance Values (ug/L)

1,2,4 - trimethylbenzene (1,2,4-TMB): 5
Chloroform (CHCl3): 7
1,1,1-Trichloroethane (1,1,1 - TCA): 5
Tetrachloroethene (PCE): 5
Trichloroethylene (TCE): 5
cis-1,2-dichloroethylene (c-1,2-DCE): 5
trans-1,2-dichloroethylene (t-1,2-DCE): 5
Vinyl Chloride (VC): 2
Lead (Pb): 25
Selenium (Se): 10

52 = Exceeds TOG 1.1.1 Groundwater Standard or Guidance Value
NT = Not Tested
U = Not detected above method detection limit
J = Detected above the MDL, but below the reporting limit
* MDL exceeds TOGS 1.1.1 Groundwater Standard or Guidance Value

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DESIGNED BY	HMM
DATE	06-2018
DRAWN BY	CPS
DATE DRAWN	06-2018
SCALE	AS NOTED
DATE ISSUED	08-28-2018

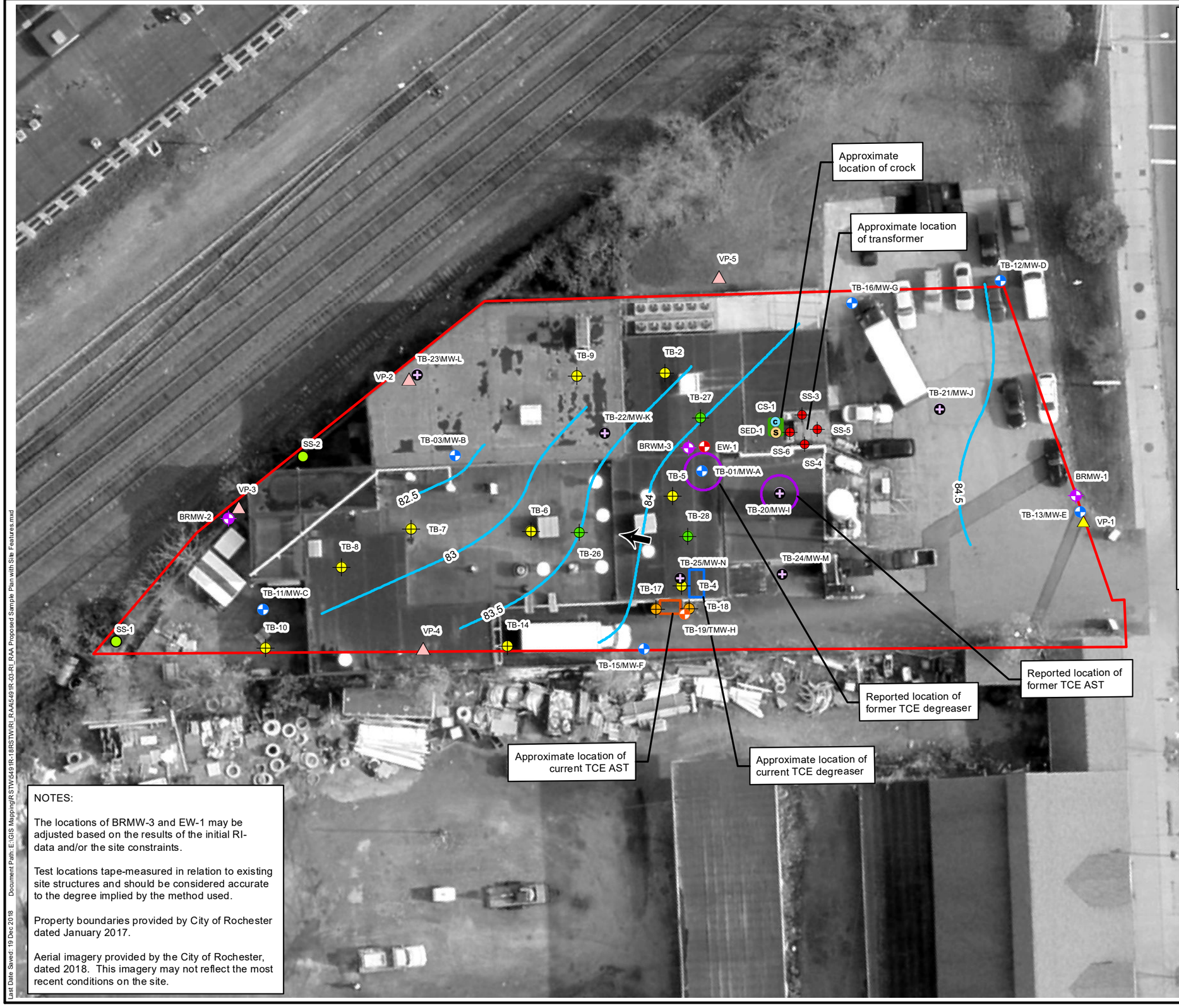
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
962, 966, 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NO. C828210
RI/RAA WORK PLAN

Drawing Title
Site Plan with Contaminants in Groundwater Samples Detected Above TOGS 1.1.1 Standards or Guidance Values

Project No.
5491R-18

FIGURE 8



Legend

- Proposed liquid sample from crock
- Proposed sediment sample from crock
- Proposed soil samples
- Test boring advanced February 2018
- Test boring advanced June 2018
- Vapor probe installed February 2018
- 1-inch diameter overburden well installed February 2018
- 1-inch diameter overburden well installed June 2018
- Proposed test boring
- Proposed vapor probe
- Proposed surface soil
- Proposed 2-inch diameter top-of-rock well
- Proposed bedrock well
- Proposed extraction well
- Potentiometric groundwater countour in feet (groundwater elevations measured on March 16, 2018)
- Approximate site boundary
- Direction of groundwater flow

NOTES:

The locations of BRMW-3 and EW-1 may be adjusted based on the results of the initial RI-data and/or the site constraints.

Test locations tape-measured in relation to existing site structures and should be considered accurate to the degree implied by the method used.

Property boundaries provided by City of Rochester dated January 2017.

Aerial imagery provided by the City of Rochester, dated 2018. This imagery may not reflect the most recent conditions on the site.

DESIGNED BY	DATE	DRAWN BY	DATE DRAWN	SCALE	DATE ISSUED
HMM	12-2018	CPS	12-2018	AS NOTED	12-18-2018

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

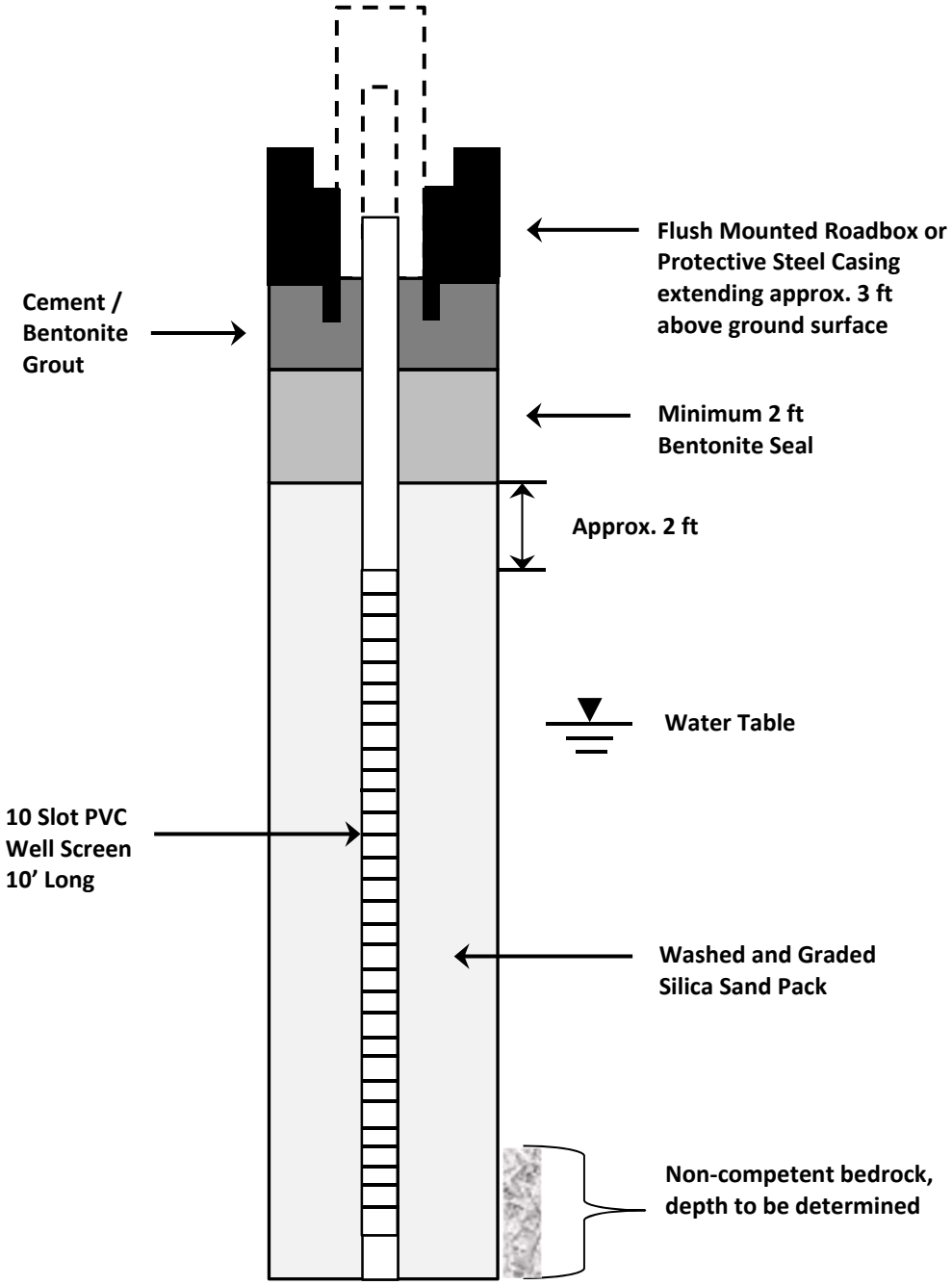
Project Title
962, 966, 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK
NYSDEC SITE NO. C828210
RI/RAA WORK PLAN

Drawing Title
Proposed Remedial Investigation Sample Locations

Project No.
5491R-18

FIGURE 9

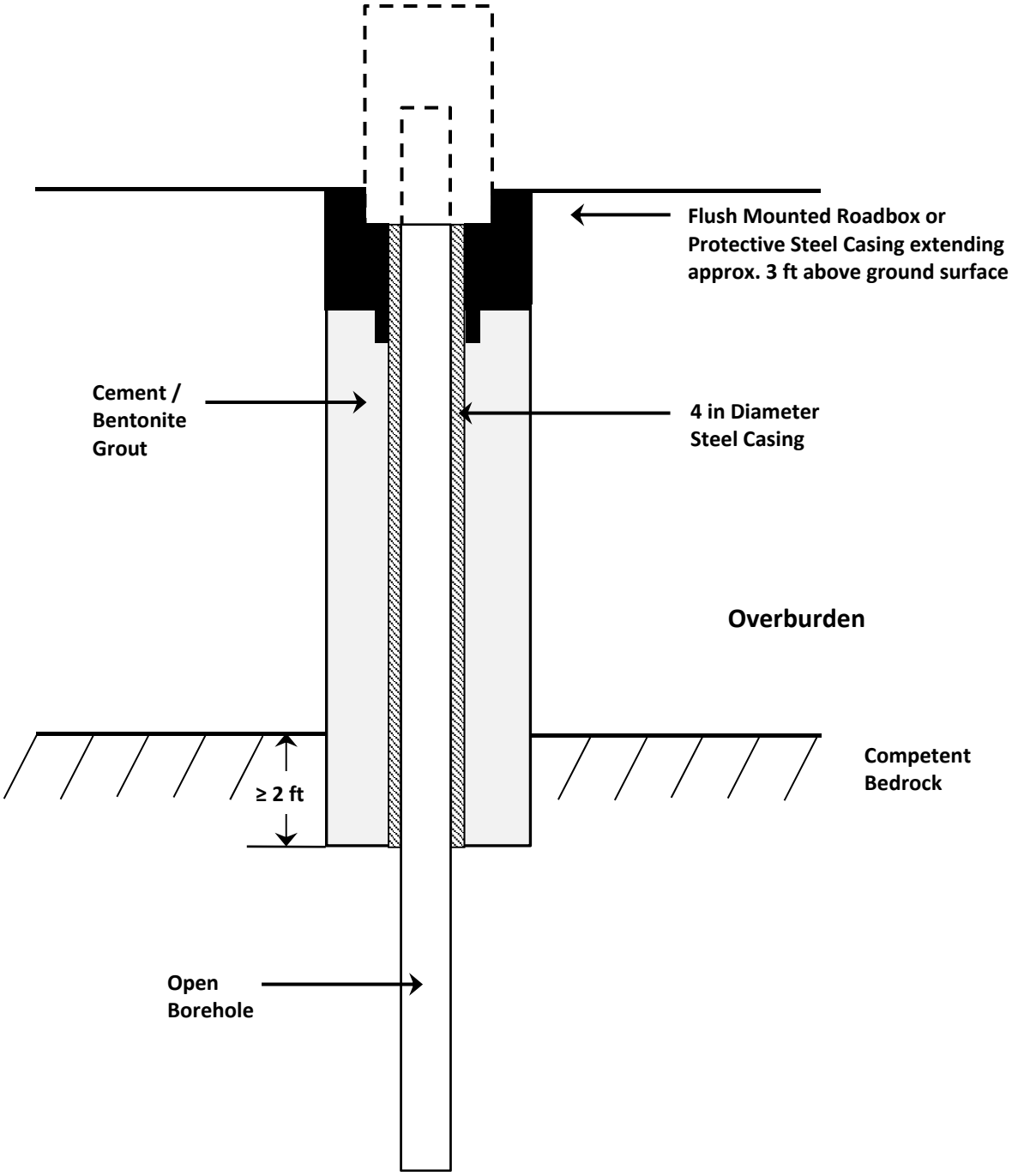
Last Date Saved: 19 Dec 2018 Document Path: E:\GIS Mapping\RSTW\5491R-18RSTW\RI_RAA\5491R-03-RI_RAA Proposed Sample Plan with Site Features.mxd



NOT TO SCALE

\\dayfs\scratch\Project PDFs\5000 Series\5491R-18 RSTW BCP\RI WorkPlan\Well Mount Figure

DATE 12-18-2018 DRAWN BY HMM SCALE Not to Scale	day DAY ENVIRONMENTAL, INC. Environmental Consultants Rochester, New York 14606 New York, New York 10170	PROJECT TITLE RSTW SITE 962, 966, 972-974 EAST MAIN STREET ROCHESTER, NEW YORK NYSDEC No. 828210 DRAWING TITLE Schematic of Top-of-Rock Monitoring Well Construction	PROJECT NO. 5491R-18 FIGURE 10



NOT TO SCALE

S:\Project PDFs\5000 Series\5491R-18 RSTW BCP\RI WorkPlan\Bedrock Well Figure.docx

DATE 12-18-2018 DRAWN BY CPS SCALE Not to Scale	day DAY ENVIRONMENTAL, INC. Environmental Consultants Rochester, New York 14606 New York. New York 10170	PROJECT TITLE RSTW SITE 962, 966, 972-972 EAST MAIN STREET ROCHESTER, NEW YORK NYSDEC No. 828210 DRAWING TITLE Schematic of Bedrock Monitoring Well Construction	PROJECT NO. 5491R-18 FIGURE 11

Figure 12
Project Schedule
Remedial Investigation/Remedial Alternative Analysis (RI/RAA)
962, 964, 972-974 East Main Street
Rochester, New York
NSYDEC Site No. C828210

Task	Duration (weeks)	Duration (weeks) following NYSDEC approval
Approval of Work Plan	0	
Site Investigation		
Utility Assessment; Contractor Selection; Surface Soil Sample Collection; Soil Borings; and Well Installation (MW-I through MW-N)	6	
Well Installation (BRMW-1 and BRMW-2); Monitoring Well Development; Soil Sample Lab Analyses and begin DUSR Preparation	4	
Groundwater Sampling (1st Round); Slug Tests; Site Survey	4	
Groundwater Sample Lab Analyses and begin DUSR Preparation	4	
Well Installation (BRWM-3), Well Development; Well Sampling; Groundwater Sample Lab Analysis; Soil Vapor Intrusion (SVI) Study; IRM Pre-Design Work Plan Implementation (Refer to schedule in Pre-Design Work Plan)	12	
Groundwater Sampling (2nd Round); Prepare and Submit Final IRM Work Plan to the NYSDEC	2	
NYSDEC Review of Final Pre-Design Work Plan; Groundwater Sample Lab Analyses and begin DUSR Preparation	6	
IRM Construction and Implementation; Start Preparation of Draft RI/RAA Report	10	
IRM Start-up Testing and Calibration; Continue Preparation of Draft RI/RAA Report	2	
Continue Preparation of Draft RI/RAA Report and Submit RI/RAA Report	2	

Appendix A

Test Boring Logs

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: SRR & CCD
Drilling Contractor: DAY
Sampling Method: Handheld Geoprobe

Test Boring TB-01

Date Started: 9/15/2016 Date Ended: 9/15/2016
Borehole Depth: 4' Borehole Diameter: 1.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-4	50	NA	0.0	0.0	Black gravel (FILL), damp Black silt and charcoal (FILL), damp	
2									
3									
4									
5								Bottom of Hole @ 4.0'	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-01

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: SRR & CCD
Drilling Contractor: DAY
Sampling Method: Handheld Geoprobe

Test Boring TB-02

Date Started: 9/15/2016 Date Ended: 9/15/2016
Borehole Depth: 4' Borehole Diameter: 1.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-4	80	NA	0.0	0.0	Black gravel (FILL), damp Black silt and charcoal (FILL), damp	
2									
3									
4									
5								Bottom of Hole @ 4.0'	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-02

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: SRR & CCD
Drilling Contractor: DAY
Sampling Method: Handheld Geoprobe

Test Boring TB-03

Date Started: 9/15/2016 Date Ended: 9/15/2016
Borehole Depth: 4' Borehole Diameter: 1.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-4	60	NA	0.0	0.0	Black gravel (FILL), damp Black silt and charcoal (FILL), damp	
2									
3									
4									
5								Bottom of Hole @ 4.0'	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-03

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: SRR & CCD
Drilling Contractor: DAY
Sampling Method: Handheld Geoprobe

Test Boring TB-04

Date Started: 9/15/2016 Date Ended: 9/15/2016
Borehole Depth: 8' Borehole Diameter: 1.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-4	60	NA	0.0	0.0	Black gravel (FILL), damp Black silt and charcoal (FILL), some brick, damp	
2									
3						0.0	0.0		
4	NA	S2	4-6	40	NA				
5						0.0	0.0		
6	NA	S3	6-8	40	NA				
7						0.0	0.0	Brown, SILT, damp	
8								Bottom of Hole @ 4.0'	
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-04

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-1

Ground Elevation: 93.475'
Date Started: 2/12/2018 Date Ended: 2/12/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.40' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							86.6	Concrete	Installed MW-A
								Brown, Sand and Gravel (FILL)	
2	NA	S-1	0-4	56	NA	133.7	92.3	Brown, Sandy SILT, trace Clay, trace Gravel, damp to moist	
3							96.4		
4							95.2		
5							142.6		
6	NA	S-2	4-8	88	NA	395.1	303.9		
7							375.6		Black Staining, possibly organic
8							145.2	Gray, Sandy SILT, some Clay, moist to wet	
9							185.5	Gray, Silty CLAY, some Sand, moist to wet	
10	NA	S-3	8-12	56	NA	387.3	344.2	...broken rock	
11							371.1	Brown, Silty SAND, trace Clay, wet	
12							398.6		
13							248.8	Brown/Gray, GRAVEL and coarse SAND, wet	
14	NA	S-4	12-16	96	NA	356.6	380.2		
15							230.0	...color becoming more gray, increasing amount of Gravel	
16							131.1		
								End of Hole @ 16.0	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-1

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-2

Date Started: 2/12/2018 Date Ended: 2/12/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	73	NA	8.1	0.9	Concrete	
							1.1	Brown, Silty Sand, damp (FILL)	
							2.3	Dark Brown, Silt with Sand and Gravel, trace Ash, trace Coal, damp (FILL)	
2									
							3.1		
3									
							3.2		
4									
							2.8		
5	NA	S-2	4-8	75	NA	14.7		Brown, Sandy SILT, trace Gravel, trace Clay, moist	
							2.4		
6									
							1.9	...moisture increasing	
7									
							1.7		
8									
							2.3	Brown, Sandy CLAY, some Silt, trace Gravel, wet	
9									
							1.9		
10	NA	S-3	8-12	100	NA	27.1			
							3.2		
11									
							69.9		
							112.9		
12									
							22.8		
13								Brown, Gravel and coarse SAND	
							80.3	...some silty Clay, broken Rock, wet	
14	NA	S-4	12-16	100	NA	90.0			
							142.4		
15									
							67.2		
16									
								Bottom of Hole @ 16.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-2

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-3

Ground Elevation: 93.51'
Date Started: 2/12/2018 Date Ended: 2/12/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 82.36' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							1.2	Concrete	Installed MW-B
								Light Brown, Sand and Gravel, damp (FILL)	
2	NA	S-1	0-4	50	NA	13.2	1.1	Black and Brown, Silt and Gravel, trace Coal, trace Glass, damp (FILL)	
3							1.3		
4									
5							1.4		
6	NA	S-2	4-8	31	NA	8.9			
7							1.2		
8							2.4	...Rock	
9								Reddish-Brown, Silty CLAY, little Gravel, moist	
10	NA	S-3	8-12	71	NA	8.7	3.6		
11								Light Brown, silty CLAY, wet	
12							3.4	Brown, Reddish-Brown, clayey SILT, trace Gravel, trace Sand, wet	
13							2.5		
14	NA	S-4	12-16	75	NA	11.6	3.1	Brown, GRAVEL and Coarse SAND, some Silt, little Clay, wet	
15							4.7		
16								Tan, fine Silty SAND	
								Bottom of Hole @ 16.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-3

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-4

Date Started: 2/13/2018 Date Ended: 2/13/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							3.2	Concrete	
								Gray, Sand and Gravel, moist (FILL)	
							3.5	Tan, fine Sand (FILL)	
2	NA	S-1	0-4	58	NA	10.2			
							7.5	Black/Brown, Sandy Silt, trace Coal (FILL)	
3									
							6.1	Brown, Sandy SILT, trace Clay, moist	
4									
							2.7	...little CLAY, some Gravel	
5									
							3.3		
6	NA	S-2	4-8	54	NA	126			
							4.9		
7									
							8.0	...suspected Broken Rock	
8									
							73.6		
9									
							233	Brown, Clayey SILT, little Gravel, moist to wet	
10	NA	S-3	8-12	56	NA	381			
							321.5		
11									
							308.9	Brown, coarse SAND and GRAVEL, little Silt, wet	
12									
							332.2		
13									
							345.5		
14	NA	S-4	12-16	44	NA	115			
							356.6		
15									
							397.0		
16									
								Bottom of Hole @ 16.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-4

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ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-5

Date Started: 2/13/2018 Date Ended: 2/13/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							52.1	Concrete	
								Gray, Sand and Gravel, damp (FILL)	
							22.4	Brown, Sandy Silt, trace Gravel, damp (FILL)	
2	NA	S-1	0-4	69	NA	49.0			
							44.8		
3								...Black	
							128.2	...Brown, Silt, some Clay (FILL)	
4									
							65.0		
5									
							78.3		
6	NA	S-2	4-8	71	NA	100.9			
							165.2	...broken Rock	
7									
							73.6		
8									
							89.1	...Broken Rock or Concrete	
9								Gray/Brown, coarse SAND and GRAVEL, some Clay, little Silt, wet	
							241.3		
10	NA	S-3	8-12	50	NA	97.0			
							113.8		
11									
							107.8		
12									
							67.2	...increasing amount of Gravel	
13									
							279.5		
14	NA	S-4	12-16	48	NA	101.2			
							67.2		
15									
							36.4		
16									
								Bottom of Hole @ 16.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-5

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-6

Date Started: 2/13/2018 Date Ended: 2/13/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ■ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							4.7	Concrete	
							7.3	Dark Gray, Silty Sand (FILL)	
2	NA	S-1	0-4	24/48	NA	6.4		Broken Rock	
3							6.7	Brown, Sandy Silt, trace Gravel, damp (FILL)	
4							7.4	...Broken Rock, Brick	
5							20.7	Brown, Clayey Silt, some Gravel, little Sand (FILL)	
6	NA	S-2	4-8	37/48	NA	5.3	23.2	Gray, Clayey SILT, trace Sand, trace Gravel, moist (FILL)	
7							19.8	...Brown, Brick fragments, Coal fragments	
8							20.3		
9							18.2		
10	NA	S-3	8-12	36/48	NA	9.1	19.6	Gray/Brown, Sandy Silt, some Gravel and Clay, trace Coal (FILL)	
11							20.7		
12							17.6		
13							5.6	Brown, medium to coarse SAND, wet	
14	NA	S-4	12-16	38/48	NA	18.5	5.4		
15							5.3		
16							5.3		
								Bottom of Hole @ 16.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-6

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ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-7

Date Started: 2/13/2018 Date Ended: 2/13/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							3.9	Concrete	
								Dark Brown, coarse Sand, trace Gravel and Brick (FILL)	
							3.9	Brown, Sandy SILT, trace Clay, trace Gravel, damp	
2	NA	S-1	0-4	75	NA	11.5			
3							3.1		
							2.5		
4									
5							1.9	Brown, Sandy CLAY, trace Gravel, trace Silt, moist	
							1.4		
6	NA	S-2	4-8	50	NA	11.6			
							1.4		
7								Brown, Silty fine SAND, trace Gravel, moist to wet	
							1.3		
8									
9							7.3	...little Gravel	
							7.4		
10	NA	S-3	8-12	50	NA	21.5			
							6.7		
11									
							6.5	Brown, Silty CLAY, little Gravel, trace Sand, wet	
12									
							29.5	...Gray/Brown	
13									
							53.3	Gray, coarse SAND and GRAVEL, trace Sand, trace Clay, wet	
14	NA	S-4	12-16	63	NA	52.3			
							56.1		
15									
							14.2		
16									
								End of Hole @ 16.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
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4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-7

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-8

Date Started: 2/13/2018 Date Ended: 2/13/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							38.6	Concrete	
								Dark Gray, Sand and Gravel, damp (FILL)	
							29.3		
2	NA	S-1	0-4	50	NA	18.5		Brown, Sandy Silt (FILL)	
							40.9	Black, Silt with Ash and Coal (FILL)	
3								Brown, SILT, some Sand, little Gravel, moist	
							30.9		
4									
5									
6	NA	S-2	4-8	20	NA	18.0	40.1		
7									
8									
								...trace broken rock	
9							9.2	Light Brown, Silty SAND, some Gravel, moist to wet	
10	NA	S-3	8-12	30	NA	26.1			
11							8.0		
12								...broken rock	
							13.6	Brown, coarse SAND and GRAVEL, some Silt, trace Clay, wet	
13									
14	NA	S-4	12-16	50	NA	23.2	17.0		
15									
							20.5		
16									
								Bottom of Hole @ 16.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-8

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-9

Date Started: 2/13/2018 Date Ended: 2/13/2018
Borehole Depth: 16.0' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							30.9	Concrete	
								Light Brown, Sand and Gravel (FILL)	
2	NA	S-1	0-4	50	NA	20.1	28.9	Brown, Silt with Clay and Sand (FILL) ...Broken Rock	
3							32.2	Dark Brown, Silty Sand with Gravel, damp (FILL)	
4									
5							17.9	Dark Brown to Black, Silt with Coal fragments, Sand, damp (FILL)	
6	NA	S-2	4-8	75	NA	21.2	18.0 19.2	Brown, SILT, little Clay, little Sand, moist	
7							17.6		
8									
9							18.5	...Brown, medium Silty Sand, wet	
10	NA	S-3	8-12	60	NA	51.3	15.2 36.2		
11							47.5	...trace Clay	
12									Possible sheen observed @ 12.0'
13							69.8	Brown, fine SAND, some Clay, little Silt, wet	
14	NA	S-4	12-16	50	NA	58.1	79.3 64.5	Brown, SAND and GRAVEL, wet	
15							81.8		
16								Bottom of Hole @ 16.0'	

Notes:
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2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-9

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-10

Date Started: 2/13/2018 Date Ended: 2/13/2018
Borehole Depth: 10.5' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
0							10.0	Concrete	
1								Gravel	
							17.7	Dark Brown, Silt, some Sand (FILL)	
2	NA	S-1	0-4	75	NA	36.7		...ash layer	
							12.5		
3								...Broken Rock	
							17.4	Brown, Silt, some Sand and Gravel (FILL)	
4									
							17.7	...wood	
5									
6	NA	S-2	4-8	30	NA	36.4	18.9	...Broken Red Brick	
7									
								Ash with Silt and Gravel and Sand (FILL)	
8									
							24.3	Brown, Silty CLAY, little Gravel, wet	
9									
							25.5		
10	NA	S-3	8-12	40	NA	22.3			
							25.3	…Broken rock	
11								Refusal @ 10.5'	
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-10

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-11

Ground Elevation: 93.175'
Date Started: 2/14/2018 Date Ended: 2/14/2018
Borehole Depth: 18.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 82.795' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	Installed MW-C
2	NA	S-1	0-5	35	NA	23.4	2.7	Dark Brown, Clayey Silt, moist (FILL)	
3									
4							3.5	Brown/Medium Brown, mottled, Silty Sand, little Gravel, moist (FILL)	
5									
6	NA	S-2	5-10	50	NA	13.6	2.3		
7							2.9		
8									
9							1.6		
10									
11	NA	S-3	10-15	65	NA	12.2	1.3	Brown, Silty CLAY, little Gravel, wet	
12							1.7	...dolomite or broken rock	
13							1.5	Brown, Sandy SILT, wet	
14							1.5	...broken rock	
15									
16	NA	S-4	15-16	60	NA	8.9	1.6	Brown, GRAVEL, some Coarse Sand, wet	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-11

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-11

Ground Elevation: 93.175' -- --
Date Started: 2/14/2018 Date Ended: 2/14/2018
Borehole Depth: 18.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 82.795' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	NA	S-5	16-18				1.3	Tan/Brown, Sandy SILT	
18							1.1	Brown, coarse SAND, wet	
								Bottom of Hole @ 18.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-11

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ROCHESTER, NEW YORK 14606
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FAX (585) 454-0825
www.dayenvironmental.com
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(212) 986-8645
FAX (212) 986-8657

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Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-12

Ground Elevation: 100.74 Datum: --
Date Started: 2/16/2018 Date Ended: 2/16/2018
Borehole Depth: 25.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.53' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.3	Asphalt	Installed MW-D
								Brown, Sand and Gravel (FILL)	
2							0.3	...Red Brick	
	NA	S-1	0-5	50	NA	0.5			
3							0.1	Dark Brown, Sand and Gravel (FILL)	
4							0.1	Light Brown, coarse Sand and Gravel (FILL)	
5									
6							1.2	...Broken Rock	
7							5.4	Tan/Gray, SILT, little Gravel, little Sand, moist	
	NA	S-2	5-10	50	NA	1.2			
8							1.1	Brown, Silty SAND, trace Gravel, moist	
9							0.3		
10									
11							0.1	Brown, Silty SAND, trace Gravel, wet	
12							0.1		
	NA	S-3	10-15	60	NA	1.0			
13							0.1		
14							0.1		
15									
16							0.1		

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-12

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-12

Ground Elevation: 100.74 Datum: --
Date Started: 2/16/2018 Date Ended: 2/16/2018
Borehole Depth: 25.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.53' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17							0.2	...Broken Rock	
18	NA	S-4	15-20	80	NA	2.1	0.2	Brown, coarse SAND and GRAVEL, wet	
19							0.1		
20									
21							0.1	Brown, GRAVEL, some coarse Sand, wet	
22	NA	S-5	20-25	40	NA	1.1	0.1	...lense of Sandy Silt	
23							0.2		
24							0.1		
25								Bottom of Hole @ 25.0'	
26									
27									
28									
29									
30									
31									
32									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-12

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
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www.dayenvironmental.com
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Project #: 5285S-16
Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-13

Ground Elevation: 102.23'
Date Started: 2/16/2018 Date Ended: 2/16/2018
Borehole Depth: 25.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.61' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.1	Topsoil with Grass	Installed MW-E
								Gravel	
2	NA	S-1	0-5	40	NA	1.9	0.1	Dark Brown/Black, Sand and Gravel, trace Silt, trace Coal, moist (FILL)	
3							0.2		
4							0.2		
5								Dark Brown, Silty Clay (FILL)	
6							0.1	Brown, Broken Rock, medium Sand, moist (FILL)	
7	NA	S-2	5-10	20	NA	1.0			
8									
9							0.1	Brown, Silty CLAY, little Gravel, little Sand, moist	
10									
11							0.1		
12	NA	S-3	10-15	50	NA	2.2	0.1		
13							0.2		
14							0.1		
15									
16	NA	S-4	15-20	50	NA		0.2		

Notes:
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2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-13

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ROCHESTER, NEW YORK 14606
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FAX (585) 454-0825
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(212) 986-8645
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Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-13

Ground Elevation: 102.23'
Date Started: 2/16/2018 Date Ended: 2/16/2018
Borehole Depth: 25.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.61' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17							0.2		
18						3.0	0.2	...Broken Rock	
19							0.3	...wet	
20									
21							2.3	...Brown, Broken Rock with Silty Clay, wet	
22	NA	S-5	20-25	45	NA	289			
23							30.2		Petroleum odor
24								...Gray, Broken Rock, wet	
25							146.7	Gray/Brown, Silty CLAY, trace Sand, wet	
26								Bottom of Hole @ 25.0'	
27									
28									
29									
30									
31									
32									

Notes:
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2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-13

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ROCHESTER, NEW YORK 14606
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www.dayenvironmental.com
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Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-14

Date Started: 2/16/2018 Date Ended: 2/16/2018
Borehole Depth: 15.0' Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.2	Asphalt	
								Dark Gray, Sand and Gravel (FILL)	
2							0.2		
	NA	S-1	0-5	50	NA	0.9		Medium Brown, Silty Sand (FILL)	
3							0.2		
								...Ash	
4							0.2		
5									
6							0.2	Brown, Sandy SILT, moist	
								...darker Brown, trace Gravel	
7	NA	S-2	5-10	85	NA	0.7	0.2		
								...wood	
8							0.2		
9							0.2	Brown, medium SAND, some Silt, moist	
								...little Gravel	
10							0.2		
11							0.2	Brown, GRAVEL, some Silty Sand, moist to wet	
12	NA	S-3	10-15	85	NA	1.2	0.2		
13							0.2		
14							0.3		
15									
								Bottom of Hole @ 15.0'	
16									

Notes:
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2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-14

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ROCHESTER, NEW YORK 14606
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www.dayenvironmental.com
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(212) 986-8645
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Project Address: 962, 966, 972-974 E. Main St.
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-15

Ground Elevation: 94.08'
Date Started: 2/16/2018 Date Ended: 2/16/2018
Borehole Depth: 19.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.17' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.5	Asphalt	Installed MW-F
2	NA	S-1	0-5	65	NA	1.2	0.5	Black/Gray, Sand and Gravel (FILL)	
3							0.6	Light Brown-Gray, Gravel and Sand (FILL)	
4							0.5		
5								Dark Brown, Silt and Sand, some Gravel (FILL)	
6							0.5		
7	NA	S-2	5-10	45	NA	0.6	0.4	Light Brown, SAND, moist	
8							0.4		
9							0.5		
10								Medium Brown, Sandy SILT, trace Gravel, moist	
11							0.3		
12	NA	S-3	10-15	50	NA	0.5	0.4		
13							0.4		
14									
15									
16			15-19	60		1.5	0.3	Brown, coarse SAND and GRAVEL, wet	

Notes:
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3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-15

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825
www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-15

Ground Elevation: 94.08'
Date Started: 2/16/2018
Date Ended: 2/16/2018
Borehole Depth: 19.0'
Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.17' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17							0.2	Brown, coarse SAND and GRAVEL, wet	
18							0.3	...Silty CLAY lenses	
19							0.4		
20								Refusal @ 19.0'	
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

Notes:
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4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-15

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ROCHESTER, NEW YORK 14606
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www.dayenvironmental.com
420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
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DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical
Sampling Method: Direct Push

Test Boring TB-16

Ground Elevation: 100.14
Date Started: 2/16/2018 Date Ended: 2/16/2018
Borehole Depth: 23.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.25' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.3	Asphalt	Installed MW-G
								Dark Gray, Sand and Gravel (FILL)	
2	NA	S-1	0-5	45	NA	0.4	0.4	Brown, Silty Sand with Gravel (FILL)	
3							0.4		
4							0.4	...trace Red Brick, Ash, Black staining	
5									
6							0.3	Dark Brown, Sandy SILT, moist	
7	NA	S-2	5-10	55	NA	0.6	0.3		
8							0.3		
9							0.2	...Medium Brown, trace Gravel	
10									
11							0.2	Brown, Silty CLAY, wet	
12	NA	S-3	10-15	50	NA	0.6	0.2	...trace Gravel	
13									
14							0.2	Brown, coarse SAND and GRAVEL, wet	
15									
16							0.2		

Notes:
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4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-16

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Sampling Method: Direct Push

Test Boring TB-16

Ground Elevation: 100.14
Date Started: 2/16/2018 Date Ended: 2/16/2018
Borehole Depth: 23.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 84.25' (3/16/2018)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17							0.2	Brown, silty fine SAND, wet	
18	NA	S-4	15-20	85	NA	0.8	0.3		
19							0.3		
20									
21	NA	S-5	20-23	50	NA	1.2	0.2	...some Gravel	
22							0.3		
23								Refusal @ 23.0'	
24									
25									
26									
27									
28									
29									
30									
31									
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-16

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Project #: 5491R-18
Project Address: 962 E. Main Street
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: TREC
Sampling Method: 66 DT

Test Boring TB-17

Date Started: 6/18/2018 Date Ended: 6/18/2018
Borehole Depth: 15.8 Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ■ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Asphalt	
							0.0	Black/Gray, Sand and Gravel, damp (FILL)	
2	NA	S-1	0-4	50	NA	0.2		Dark Brown, Sandy SILT, trace Gravel, moist (FILL)	
							0.0	...Medium Brown	
3									
							0.1	Black, Sand with some Gravel, moist (FILL)	
4									
5							1.5	Medium Brown, Sandy SILT, trace Clay and Gravel, moist	
6	NA	S-2	4-8	25	NA	0.5			
7							0.1		
8									
9							0.0	Brown, SILT, trace Clay and Sand, moist	
10	NA	S-3	8-12	40	NA	0.4	0.0		
11							0.1		
12									
13							1.4	Brown, SAND and GRAVEL, some Silty Clay, wet	
14	NA	S-4	12-15.8	40	NA	0.4	1.1		
15							0.9	...increasing Gravel content, wet	
16								Refusal @ 15.8'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
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4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-17

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ROCHESTER, NEW YORK 14606
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(212) 986-8645
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Drilling Contractor: TREC
Sampling Method: 66 DT

Test Boring TB-18

Date Started: 6/18/2018 Date Ended: 6/18/2018
Borehole Depth: 3.0' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ■ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-3	30	NA	0.7	0.0	Asphalt	
							0.0	Gray, Sand and Gravel, damp (FILL)	
2							0.0	Dark Gray, Silty Sand with Gravel, moist (FILL)	
3								End of Hole @ 3.0'	
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
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3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
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Test Boring TB-18

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Drilling Contractor: TREC
Sampling Method: 66 DT

Test Boring TB-19

Date Started: 6/18/2018 Date Ended: 6/18/2018
Borehole Depth: 18.2' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Asphalt	TMW-H installed for ~1 hour, then grouted
2	NA	S-1	0-4	25	NA	0.5	0.0	Dary Gray, Silty Sand with Gravel, moist (FILL)	
3							0.0		
4								Reddish-Brown, Silty SAND, trace Gravel, moist	
5							0.0		
6	NA	S-2	4-8	50	NA	0.3	0.0		
7							0.0	...wet	
8							0.0		
9							0.0	Brown, Silty CLAY, moist	
10	NA	S-3	8-12	50	NA	51.7			
11							0.0	Brown, SILT, some Gravel and Sand and Clay, moist	
12							2.4	...White, Broken Rock	
13							2.8	Brown, coarse SAND, some Gravel, wet	
14	NA	S-4	12-16	30	NA	1.5	3.1		
15							15.9		
16							16.0	Brown, Gravel, wet	

Notes:
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4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-19

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Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: TREC
Sampling Method: 66 DT

Test Boring TB-19

Date Started: 6/18/2018 Date Ended: 6/18/2018
Borehole Depth: 18.2' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	NA	S-5	16-18.2	30	NA	0.8	0.3 0.5	Brown, Broken Rock, Gravel, wet	**TMW-H installed for ~1 hour, then grouted**
18							0.3	Brown, Gravel with Silty Clay lenses, wet	
19								Refusal @ 18.2'	
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-19

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ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

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NEW YORK, NEW YORK 10170
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FAX (212) 986-8657

Appendix B

Monitoring Well Installation Diagrams

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DAY ENVIRONMENTAL, INC.

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AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

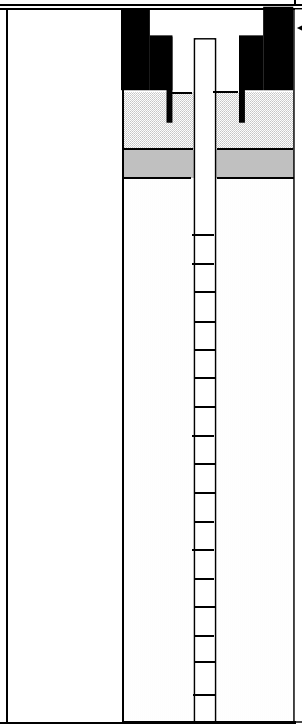
Project #: 5285S-16
Project Address: 962, 966, 972-974 E Main St
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical

MONITORING WELL MW-A

Ground Elevation: 93.475
Date Started: 2/12/2018 Date Ended: 2/12/2018

Water Level (Date): 84.40 (3/16/2018)

Refer to Test Boring Log TB- 1 for Soil Description



←Flush Mounted Roadbox
0.365 Depth to Top of Riser Pipe (ft)

Backfill Type Bentonite

0.5 Depth to Top of Bentonite Seal (ft)
4.0 Depth to Bottom of Bentonite Seal (ft)

6.0 Depth to Top of Well Screen (ft)

2 1/4 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

16.0 Depth to Bottom of Well Screen (ft)

16.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW- A

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ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

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NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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MONITORING WELL CONSTRUCTION DIAGRAM

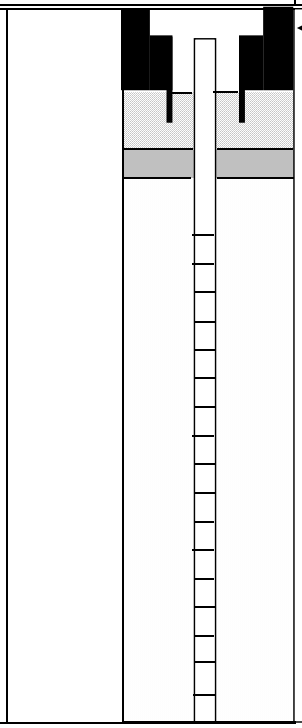
Project #: 5285S-16
Project Address: 962, 966, 972-974 E Main St
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical

MONITORING WELL MW-B

Ground Elevation: 93.51
Date Started: 2/12/2018 Date Ended: 2/12/2018

Water Level (Date): 82.36 (3/16/2018)

Refer to Test Boring Log TB- 3 for Soil Description



Flush Mounted Roadbox
0.43 Depth to Top of Riser Pipe (ft)

Backfill Type Bentonite

0.5 Depth to Top of Bentonite Seal (ft)
5.0 Depth to Bottom of Bentonite Seal (ft)

6.0 Depth to Top of Well Screen (ft)

2 1/4 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

16.0 Depth to Bottom of Well Screen (ft)

16.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-B

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

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NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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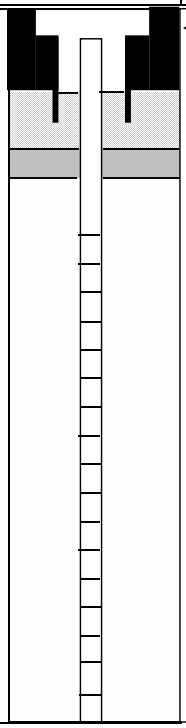
Project #: 5285S-16
Project Address: 962, 966, 972-974 E Main St
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical

MONITORING WELL MW-C

Ground Elevation: 93.175
Date Started: 2/14/2018 Date Ended: 2/14/2018

Water Level (Date): 82.795 (3/16/2018)

Refer to Test Boring Log TB- 11 for Soil Description



Flush Mounted Roadbox
0.36 Depth to Top of Riser Pipe (ft)

Backfill Type Bentonite

1.0 Depth to Top of Bentonite Seal (ft)
7.0 Depth to Bottom of Bentonite Seal (ft)

8.0 Depth to Top of Well Screen (ft)

2 1/4 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

18.0 Depth to Bottom of Well Screen (ft)

18.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-C

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ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

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NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

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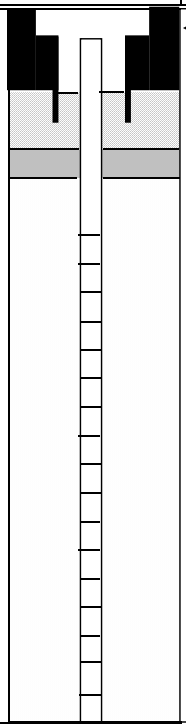
Project #: 5285S-16
Project Address: 962, 966, 972-974 E Main St
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical

MONITORING WELL MW-D

Ground Elevation: 100.74
Date Started: 2/16/2018 Date Ended: 2/16/2018
Water Level (Date): 84.53 (3/16/2018)

Refer to Test Boring Log TB- 12 for Soil Description



Flush Mounted Roadbox
0.135 Depth to Top of Riser Pipe (ft)
Backfill Type Bentonite
0.5 Depth to Top of Bentonite Seal (ft)
14.0 Depth to Bottom of Bentonite Seal (ft)
15.0 Depth to Top of Well Screen (ft)
2 1/4 Diameter of Borehole (in)
Backfill Type Sand
1.0 Inside Diameter of Well (in)
Type of Pipe PVC
Screen slot size 10 Slot
25.0 Depth to Bottom of Well Screen (ft)
25.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-D

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(585) 454-0210
FAX (585) 454-0825

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NEW YORK, NEW YORK 10170
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FAX (212) 986-8657

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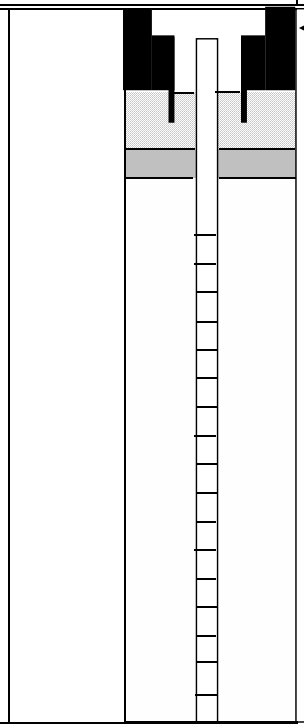
Project Address: 962, 966, 972-974 E Main St
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical

MONITORING WELL MW-E

Ground Elevation: 102.23
Date Started: 2/16/2018 Date Ended: 2/16/2018
Water Level (Date): 84.61 (3/16/2018)



Refer to Test Boring Log TB- 13 for Soil Description

Flush Mounted Roadbox
0.0 Depth to Top of Riser Pipe (ft)

Backfill Type Bentonite

1.0 Depth to Top of Bentonite Seal (ft)
14.0 Depth to Bottom of Bentonite Seal (ft)

15.0 Depth to Top of Well Screen (ft)

2 1/4 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

25.0 Depth to Bottom of Well Screen (ft)

25.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-E

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ROCHESTER, NEW YORK 14606
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Project Address: 962, 966, 972-974 E Main St
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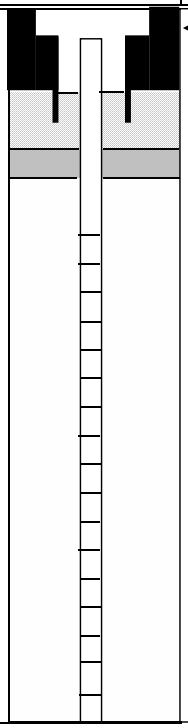
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical

MONITORING WELL MW-F

Ground Elevation: 94.08
Date Started: 2/16/2018 Date Ended: 2/16/2018
Water Level (Date): 84.17 (3/16/2018)

Refer to Test Boring Log TB- 15 for Soil Description



Flush Mounted Roadbox
0.15 Depth to Top of Riser Pipe (ft)

Backfill Type Bentonite

1.0 Depth to Top of Bentonite Seal (ft)
8.0 Depth to Bottom of Bentonite Seal (ft)

9.0 Depth to Top of Well Screen (ft)

2 1/4 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

19.0 Depth to Bottom of Well Screen (ft)

19.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-F

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ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

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(212) 986-8645
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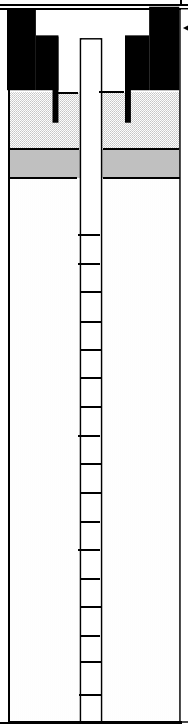
Project #: 5285S-16
Project Address: 962, 966, 972-974 E Main St
Rochester, NY
DAY Representative: H. McLennan
Drilling Contractor: Zebra Technical

MONITORING WELL MW-G

Ground Elevation: 100.14
Date Started: 2/16/2018 Date Ended: 2/16/2018
Water Level (Date): 84.25 (3/16/2018)

Refer to Test Boring Log TB- 16 for Soil Description



Flush Mounted Roadbox
0.195 Depth to Top of Riser Pipe (ft)

Backfill Type Bentonite

1.0 Depth to Top of Bentonite Seal (ft)
12.0 Depth to Bottom of Bentonite Seal (ft)

13.0 Depth to Top of Well Screen (ft)

2 1/4 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

23.0 Depth to Bottom of Well Screen (ft)

23.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-G

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

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NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

Appendix C

Summary Tables

Table 1

Summary of Samples Submitted for Laboratory Analysis
962, 966, 972-974 East Main Street
Rochester, New York

Laboratory ID	Sample ID	Matrix	Date Collected	Time Collected	VOCs	SVOCs	Metals	CN-	PCBs	pH
SC26099-01	TB-03 (0-4)	Soil/Fill	9/15/2016	11:50	•	•	•		•	•
SC26099-02	TB-04 (0-4)	Soil/Fill	9/15/2016	12:05	•					
SC26099-03	TB-04 (6-8)	Soil/Fill	9/15/2016	12:15		•	•		•	•
R1801384-001	TB-1(6-7)	Soil/Fill	2/12/2018	12:08	•					
R1801384-002	TB-1(13-14)	Soil/Fill	2/12/2018	12:42	•					
R1801384-003	TB-2(2-3)	Soil/Fill	2/12/2018	14:39	•					
R1801384-004	TB-2(3-4)	Soil/Fill	2/12/2018	14:40					•	•
R1801384-005	TB-4(2.5-3.5)	Soil/Fill	2/13/2018	7:32		•	•			
R1801384-006	TB-4(15-16)	Soil/Fill	2/13/2018	8:06	•					
R1801384-007	TB-5(2-3)	Soil/Fill	2/13/2018	8:38		•				
R1801384-008	TB-5(9-10)	Soil/Fill	2/13/2018	8:52	•					
R1801384-009	TB-6(5-6)	Soil/Fill	2/13/2018	10:22			•			•
R1801384-010	TB-6(10-11)	Soil/Fill	2/13/2018	10:08	•					
R1801384-011	TB-7(14-15)	Soil/Fill	2/13/2018	11:15	•					
R1801384-012	TB-8(2.5-3.5)	Soil/Fill	2/13/2018	11:47	•					
R1801384-014	TB-9(12-13)	Soil/Fill	2/13/2018	13:45	•					
R1801384-015	TB-9(13-14)	Soil/Fill	2/13/2018	13:47		•			•	•
R1801384-016	TB-10(7-8)	Soil/Fill	2/13/2018	14:31		•	•			•
R1801451-001	TB-12(6-7)	Soil/Fill	2/16/2018	8:25	•					
R1801451-002	TB-13(2-3)	Soil/Fill	2/16/2018	9:45		•	•			
R1801451-003	TB-13(24-25)	Soil/Fill	2/16/2018	10:09	•					
R1801451-006	TB-14(3.5-4.5)	Soil/Fill	2/16/2018	12:52		•				•
R1801451-004	TB-14(14-15)	Soil/Fill	2/16/2018	13:07	•					
R1801451-005	TB-15(5-6)	Soil/Fill	2/16/2018	13:39	•					
R1801451-007	TB-16(4-5)	Soil/Fill	2/16/2018	15:20		•	•			
R1801451-008	TB-16(14-15)	Soil/Fill	2/16/2018	15:27	•					
R1802353-001	MW-A	Groundwater	3/16/2018	13:15	•					
R1802353-002	MW-B	Groundwater	3/16/2018	13:05	•					
R1802353-003	MW-C	Groundwater	3/16/2018	12:45	•	•	•			
R1802353-004	MW-D	Groundwater	3/16/2018	12:00	•					
R1802353-005	MW-E	Groundwater	3/16/2018	11:50	•				•	
R1802353-006	MW-F	Groundwater	3/16/2018	12:35	•		•			
R1802353-007	MW-G	Groundwater	3/16/2018	12:20	•		•			
R1802353-008	DUP 1*	Groundwater	3/16/2018	11:50	•					
R1805672-001	TMW-H	Groundwater	6/18/2018	-	•					
R1805672-002	TB-18(2-3)	Soil/Fill	6/18/2018	11:49	•					
R1805672-003	TB-19(3-4)	Soil/Fill	6/18/2018	11:56		•	•	•		

*Duplicate sample of MW-E

Table 2

Summary of Detected VOCs in Soil/Fill Samples
962, 966, 972-974 East Main Street
Rochester, New York

Constituent	USCO	ISCO	PGSCO	Sample ID	TB-03 (0-4)*	TB-04 (0-4)*	TB-1(6-7)	TB-1(13-14)	TB-2 (2-3)	TB-4 (15-16)	TB-5 (9-10)	TB-6 (10-11)	TB-7 (14-15)	TB-8 (2.5-3.5)	TB-9 (12-13)	TB-12 (6-7)	TB-13 (24-25)	TB-14 (14-15)	TB-15 (5-6)	TB-16 (14-15)	TB-18 (2-3)
				Sample Date	9/15/2016	9/15/2016	2/12/2018	2/12/2018	2/12/2018	2/13/2018	2/13/2018	2/13/2018	2/13/2018	2/13/2018	2/13/2018	2/16/2018	2/16/2018	2/16/2018	2/16/2018	2/16/2018	6/18/2018
				Dilution Factor	1	1	79.5	2740	1.00	157	75.5	1.00	79.5	120	74.5	1.00	1.00	1.00	1.00	1.00	1.00
1,1,1-Trichloroethane	0.68	1,000	0.68		UJL (0.0054)	UJL (0.005)	U (0.065)	U (2.3)	0.002 J	U (0.13)	U (0.062)	U (0.00071)	U (0.066)	U (0.011)	U (0.065)	U (0.00071)	U (0.00068)	U (0.00058)	U (0.00084)	U (0.00057)	U (0.00074)
1,2,4-Trimethylbenzene	3.6	380	3.60		UJL (0.0054)	UJL (0.005)	U (0.048)	U (1.7)	0.0016 J	U (0.095)	0.11 J	0.0013 J	U (0.049)	U (0.087)	U (0.048)	0.0021 J	U (0.00051)	U (0.00043)	0.057	U (0.00042)	0.001 J
1,2-Dichlorobenzene	1.1	1,000	1.1		UJL (0.0054)	UJL (0.005)	U (0.055)	U (1.9)	U (0.00066)	U (0.11)	U (0.052)	0.00079 J	U (0.055)	U (0.09)	U (0.054)	U (0.0006)	U (0.00057)	U (0.00049)	U (0.0007)	U (0.00048)	U (0.00062)
1,3,5-Trimethylbenzene	8.4	380	8.4		UJL (0.0054)	UJL (0.005)	U (0.071)	U (2.4)	U (0.00085)	U (0.14)	U (0.067)	0.0018 J	U (0.071)	U (0.12)	U (0.07)	0.0014 J	U (0.00074)	U (0.00063)	0.017	U (0.00061)	U (0.00080)
Acetone	0.05	1,000	0.05		UJL (0.0544)	UJL (0.0504)	U (0.25)	U (8.6)	0.028	U (0.49)	U (0.24)	0.011	U (0.26)	U (0.42)	U (0.25)	0.012	0.016	0.029	0.074	0.012	U (0.0029)
Benzene	0.06	89	0.06		UJL (0.0054)	UJL (0.005)	U (0.026)	U (0.88)	0.00041 J	U (0.051)	U (0.025)	U (0.0028)	U (0.026)	U (0.043)	U (0.026)	0.00078 J	U (0.00027)	0.00043 J	0.00052 J	U (0.00023)	U (0.00030)
2-Butanone (MEK)	0.12	1,000	0.12		UJL (0.0109)	UJL (0.0101)	U (0.21)	U (7)	U (0.0025)	U (0.4)	U (0.2)	U (0.0023)	U (0.21)	U (0.34)	U (0.21)	U (0.0023)	0.0031 J	U (0.0019)	0.0052 J	U (0.0018)	U (0.0024)
cis-1,2-Dichloroethene	0.25	1,000	0.25		UJL (0.0054)	UJL (0.005)	6.2 AC	9 J AC	0.0083	2.9 AC	5.6 AC	U (0.00092)	U (0.085)	U (0.14)	11 AC	U (0.00093)	0.0012 J	0.0011 J	U (0.0011)	U (0.00074)	U (0.00096)
Cyclohexane	NS	NS	NS		NT	NT	U (0.13)	U (4.2)	U (0.0015)	U (0.25)	U (0.12)	U (0.0014)	U (0.13)	U (0.21)	U (0.13)	0.0039 J	0.0084	0.0014 J	U (0.0016)	U (0.0011)	U (0.0014)
Dichloromethane	0.05	1,000	0.05		0.0034 UJL	0.0038 UJL	U (0.051)	U (1.8)	U (0.00062)	U (0.13)	U (0.049)	U (0.00055)	U (0.051)	U (0.084)	U (0.051)	U (0.00056)	0.00079 J	U (0.00058)	0.00096 J	0.00085 J	0.001 J
Ethylbenzene	1	780	1		UJL (0.0054)	UJL (0.005)	U (0.021)	U (0.7)	U (0.00025)	U (0.041)	U (0.02)	0.00074 J	U (0.021)	U (0.034)	U (0.021)	0.00028 J	U (0.00022)	U (0.00019)	0.00083 J	U (0.00018)	U (0.00024)
Isopropylbenzene	NS	NS	NS		UJL (0.0054)	UJL (0.005)	U (0.06)	U (2.1)	U (0.00073)	U (0.12)	U (0.057)	0.00084 J	U (0.06)	U (0.099)	U (0.059)	U (0.00066)	U (0.00063)	U (0.00054)	0.0013 J	U (0.00052)	U (0.00068)
4-Isopropyltoluene	NS	NS	NS		UJL (0.0054)	UJL (0.005)	U (0.078)	U (2.7)	U (0.00094)	U (0.16)	U (0.074)	U (0.00084)	U (0.078)	U (0.13)	U (0.077)	U (0.00085)	0.0036 J	U (0.0007)	0.0033 J	U (0.00068)	U (0.00088)
Methyl Acetate	NS	NS	NS		NT	NT	U (0.16)	U (5.4)	U (0.0019)	U (0.31)	U (0.15)	U (0.0017)	U (0.16)	U (0.26)	U (0.16)	U (0.0017)	U (0.0017)	U (0.0014)	0.0035 J	U (0.0014)	U (0.0018)
Methylcyclohexane	NS	NS	NS		NT	NT	U (0.11)	U (3.7)	U (0.0013)	U (0.21)	U (0.11)	0.0025 J	0.98	U (0.18)	U (0.11)	0.0045 J	0.02	0.0015 J	U (0.0014)	U (0.00093)	U (0.0013)
n-Butylbenzene	12	1,000	12		UJL (0.0054)	UJL (0.005)	U (0.087)	U (3)	U (0.0011)	U (0.18)	U (0.083)	U (0.00095)	0.099 J	U (0.15)	U (0.087)	U (0.00096)	0.021	U (0.00078)	0.0083	U (0.00076)	U (0.00099)
n-Propylbenzene	3.9	1,000	3.9		UJL (0.0054)	UJL (0.005)	U (0.07)	U (2.4)	U (0.00084)	U (0.14)	U (0.066)	0.0013 J	U (0.07)	U (0.12)	U (0.069)	U (0.00076)	U (0.00073)	U (0.00062)	0.0041 J	U (0.00061)	U (0.00079)
sec-Butylbenzene	11	1,000	11		UJL (0.0054)	UJL (0.005)	U (0.064)	U (2.2)	U (0.00078)	U (0.13)	0.076 J	0.00075 J	0.19 J	U (0.11)	0.076 J	U (0.0007)	0.032	U (0.00058)	0.0034 J	U (0.00056)	U (0.00073)
tert-Butylbenzene	5.9	1,000	5.9		UJL (0.0054)	UJL (0.005)	U (0.052)	U (1.8)	U (0.00063)	U (0.11)	U (0.049)	0.0011 J	U (0.052)	U (0.085)	U (0.051)	U (0.00057)	0.0096	U (0.00047)	U (0.00067)	U (0.00045)	U (0.00059)
Tetrachloroethene (PCE)	1.3	300	1.3		UJL (0.0054)	UJL (0.005)	0.2 J	U (2.7)	U (0.00095)	0.66 J	U (0.075)	U (0.00085)	U (0.079)	U (0.13)	U (0.078)	U (0.00086)	U (0.00082)	0.0032 J	U (0.0011)	U (0.00068)	U (0.00089)
Trichloroethene (TCE)	0.47	400	0.47		UJL (0.0054)	0.0045 UJL	12 AC	280 AC	0.054	28 AC	0.12 J	0.00021	0.1 J AC	2.2 AC	2.8 AC	0.0045 J	U (0.00094)	0.0032 J	0.0092	0.0071	0.039
Trichlorofluoromethane (Freon 11)	NS	NS	NS		UJL (0.0054)	UJL (0.005)	U (0.059)	U (2.1)	0.0092	U (0.12)	U (0.056)	U (0.00064)	U (0.06)	U (0.097)	U (0.058)	U (0.00065)	U (0.00062)	U (0.00053)	U (0.00076)	U (0.00051)	U (0.00067)
Toluene	0.7	1,000	0.7		UJL (0.0054)	UJL (0.005)	U (0.089)	U (3.1)	U (0.0011)	U (0.18)	U (0.085)	U (0.00097)	U (0.09)	U (0.15)	U (0.088)	0.0022 J	U (0.00093)	0.0011 J	U (0.0012)	U (0.00078)	U (0.0011)
Vinyl Chloride	0.02	27	0.02		UJL (0.0054)	UJL (0.005)	U (0.17)	U (5.6)	U (0.002)	U (0.33)	0.95 AC	U (0.0018)	U (0.17)	U (0.27)	1.3 AC	U (0.0018)	U (0.0018)	U (0.0015)	U (0.0022)	U (0.0015)	U (0.0019)
Xylenes	0.26	1,000	1.6		UJL (0.0163)	UJL (0.0151)	U (0.14)	U (4.9)	U (0.00172)	U (0.274)	U (0.133)	0.0013 J	U (0.141)	U (0.231)	U (0.139)	0.00327 J	U (0.00155)	U (0.00126)	0.0105 J	U (0.00123)	U (0.00159)
Total VOCs	NS	NS	NS		0.0034	0.0083	18.4	289	0.1031	31.56	6.856	0.02363	1.369	2.2	15.176	0.03493	0.11569	0.04093	0.19911	0.01995	0.041

Notes:
Concentrations shown are in mg/kg or parts per million (ppm)
USCO = Unrestricted Soil Cleanup Objectives
ISCO = Restricted Industrial Soil Cleanup Objectives
PGSCO = Protection of Groundwater Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
VOCs = Volatile Organic Compounds
* = Soil/Fill sample not preserved in field in methanol and water; Method 5035A completed in laboratory
NS = No Standard Available
NT = Sample not analyzed for constituent

MDL = Method Detection Limit: The minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero, but the exact concentration cannot be reliably quantified
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
U (0.17) = Not detected above Method Detection Limit (MDL provided in parentheses)
UJL = Non-detect is potentially biased low
A = Exceeds Unrestricted Use SCO
B = Exceeds Restricted Industrial Use SCO
C = Exceeds Protection of Groundwater SCO
Grey shading indicates MDL exceeds USCO

Table 3

Summary of Detected SVOCs in Soil/Fill Samples
962, 966, 972-974 East Main Street
Rochester, New York

Constituent	USCO	ISCO	PGSCO	Sample ID									
				Sample Date									
				Dilution Factor									
				TB-03 (0-4)	TB-04 (6-8)	TB-4 (2.5-3.5)	TB-5 (2-3)	TB-9 (13-14)	TB-10 (7-8)	TB-13 (2-3)	TB-14 (3.5-4.5)	TB-16 (4-5)	TB-19 (3-4)
				9/15/2016	9/15/2016	2/13/2018	2/13/2018	2/13/2018	2/13/2018	2/16/2018	2/16/2018	2/16/2018	6/18/2018
				10	1	1	10	1	100	5	1	1	1
Acenaphthene	20	1,000	98	U (0.736)	U (0.0731)	U (0.084)	U (0.81)	U (0.08)	42 J A	U (0.39)	U (0.082)	U (0.083)	U (0.085)
Acenaphthylene	100	1,000	107	U (0.736)	U (0.0731)	U (0.078)	3.2 J	U (0.074)	36 J	U (0.36)	U (0.076)	U (0.076)	U (0.079)
Anthracene	100	1,000	1,000	U (0.736)	U (0.0731)	U (0.074)	3.9	U (0.07)	150 A	U (0.34)	U (0.072)	U (0.072)	U (0.074)
Benz(a)anthracene	1	11	1	U (0.736)	U (0.0731)	0.13 J	23 ABC	U (0.063)	190 ABC	U (0.31)	U (0.065)	0.097 J	0.26 J
Benzo(a)pyrene	1	1.1	22	U (0.736)	U (0.0731)	0.26 J	30 ABC	U (0.073)	160 ABC	U (0.35)	U (0.075)	0.099 J	0.39
Benzo(b)fluoranthene	1	11	1.7	U (0.736)	U (0.0731)	0.38	32 ABC	U (0.066)	170 ABC	U (0.32)	U (0.068)	0.12 J	0.42
Benzo(g,h,i)perylene	100	1,000	1,000	U (0.736)	U (0.0731)	0.54	20	U (0.083)	87	U (0.4)	U (0.085)	0.087 J	0.4
Benzo(k)fluoranthene	0.8	110	1.7	U (0.736)	U (0.0731)	0.14 J	11 AC	U (0.081)	65 AC	U (0.39)	U (0.083)	U (0.084)	0.15 J
Chrysene	1	110	1	U (0.736)	U (0.0731)	0.18 J	25 AC	U (0.071)	170 ABC	U (0.34)	U (0.073)	0.099 J	0.27 J
Dibenz(a,h)anthracene	0.33	1.1	1,000	U (0.736)	U (0.0731)	0.089 J	4.1 AB	U (0.066)	22 J AB	U (0.32)	U (0.067)	U (0.068)	0.07 J
Fluoranthene	100	1,000	1,000	0.640 J	U (0.0731)	0.15 J	50	U (0.085)	440 A	U (0.41)	U (0.087)	0.23 J	0.42
Fluorene	30	1,000	386	U (0.736)	U (0.0731)	U (0.096)	1.2 J	U (0.091)	91 A	U (0.44)	U (0.093)	U (0.094)	U (0.097)
Indeno(1,2,3-cd)pyrene	0.5	11	8.2	U (0.736)	U (0.0731)	0.53	23 ABC	U (0.08)	100 ABC	U (0.39)	U (0.082)	U (0.083)	0.42
Naphthalene	12	1,000	12	U (0.736)	U (0.0731)	U (0.078)	U (0.76)	U (0.074)	36 J AC	U (0.36)	U (0.076)	U (0.077)	U (0.079)
Phenanthrene	100	1,000	1,000	0.449 J	U (0.0731)	0.11 J	24	0.24 J	470 A	U (0.36)	U (0.077)	0.19 J	0.23 J
Pyrene	100	1,000	1,000	0.508 J	U (0.0731)	0.12 J	51	0.087 J	370 A	U (0.34)	U (0.072)	0.2 J	0.35 J
Total SVOCs	NS	NS	NS	1.597	0	2.629	301.4	0.327	2,599	0	0	1.122	3.38

Notes:
Concentrations shown are in mg/kg or parts per million (ppm)
USCO = Unrestricted Soil Cleanup Objectives
ISCO = Restricted Industrial Soil Cleanup Objectives
PGSCO = Protection of Groundwater Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
SVOCs = Semi-Volatile Organic Compounds
NS = No Standard Available
MDL = Method Detection
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
U = Not detected above Method Detection Limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Restricted Industrial Use SCO
C = Exceeds Protection of Groundwater SCO

Table 4

Summary of Detected Metals, Cyanide, and pH in Soil/Fill Samples
962, 966, 972-974 East Main Street
Rochester, New York

Constituent	USCO	ISCO	PGSCO	Sample ID	TB-03 (0-4)	TB-04 (6-8)	TB-2 (3-4)	TB-4 (2.5-3.5)	TB-6 (5-6)	TB-9 (13-14)	TB-10 (7-8)	TB-13(2-3)	TB-14(3.5-4.5)	TB-16(4-5)	TB-19 (3-4)
				Sample Date	9/15/2016	9/15/2016	2/12/2018	2/13/2018	2/13/2018	2/13/2018	2/13/2018	2/16/2018	2/16/2018	2/16/2018	6/18/2018
				Dilution Factor	1	1	1	1	1	1	1	1	1	1	1
Aluminum	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4320
Antimony	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	U (7.1)
Arsenic	13	16	16		10.7	5.06	NT	6.7	5	NT	5.4	1.9	NT	4.2	6.3
Barium	350	10000	820		697 A	204	NT	67.9	97.3	NT	183	15.3	NT	104	1630
Beryllium	7.2	2700	47		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	U (0.354)
Cadmium	2.5	60	7.5		0.346 J	0.0687 J	NT	0.28 J	0.344 J	NT	0.33 J	0.372 J	NT	0.466 J	2.0
Mercury	0.18	5.7	0.73		0.121 A	0.0819	NT	0.776	0.069	NT	0.296 A	U (0.010)	NT	0.054	0.200
Calcium	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19400
Chromium	30	6800	NS		16.2	8.08	NT	10.8	11.4	NT	8.5	6.4	NT	9.5	53.9
Cobalt	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	U (5.9)
Copper	50	10000	1720		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	50.8 A
Iron	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	71900
Lead	63	3900	450		67.3 A	56.2	NT	405	10.5	NT	443 A	35.8	NT	96.7	111
Magnesium	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12700
Manganese	1600	10000	2000		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	290
Nickel	30	10000	130		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	14.0
Potassium	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	633
Selenium	3.9	6800	4		1.52 J	2.05	NT	0.749 J	0.6 J	NT	U (0.478)	U (0.0389)	NT	0.455 J	1.5
Silver	2	6800	8.3		U (1.60)	U (1.55)	NT	0.089 J	U (0.08)	NT	0.089 J	U (0.068)	NT	0.2 J	U (1.2)
Sodium	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	920
Thallium	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	U (1.2)
Vanadium	NS	NS	NS		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	14.5
Zinc	109	10000	2480		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	167 A
Cyanide	27	10000	40		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.69
pH	NS	NS	NS		10.4	9.09	8.18	NT	7.99	8.35	8.1	NT	8.94	NT	NT

Notes:
Concentrations shown are in mg/kg or parts per million (ppm)
USCO = Unrestricted Soil Cleanup Objectives
ISCO = Restricted Industrial Soil Cleanup Objectives
PGSCO = Protection of Groundwater Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
NS = No Standard Available
NT = Not Tested
MDL = Method Detection Limit: The minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero, but the exact concentration cannot be reliably quantified
J = Detected
U = Not detected above Method Detection Limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Restricted Industrial Use SCO
C = Exceeds Protection of Groundwater SCO

Table 5

Summary of Detected VOCs in Groundwater Samples
962, 966, 972-974 East Main Street
Rochester, New York

Constituent	TOGS 1.1.1	Sample ID																					
		Sample Date																					
		Dilution Factor																					
		MW-A			MW-B			MW-C			MW-D			MW-E			DUP 1			MW-F			MW-G			TMW-H		
		3/16/2018			3/16/2018			3/16/2018			3/16/2018			3/16/2018			3/16/2018			3/16/2018			3/16/2018			6/18/2018		
		500			5			1			1			1			1			1			1			50		
1,1,1-Trichloroethane	5	U	(180)		4.8	J		U	(0.36)		U	(0.36)		U	(0.36)		U	(0.36)		U	(0.36)		U	(0.36)		U	(13)	
1,2,4-Trimethylbenzene	5	140	J	X	U	(1.0)		U	(0.20)		U	(0.20)		U	(0.20)		U	(0.20)		U	(0.20)		U	(0.20)		U	(10)	
2-Butanone (MEK)	50	U	(410)		U	(4.1)		U	(0.81)		U	(0.81)		U	(0.81)		1.3	J		U	(0.81)		U	(0.81)		U	(39)	
4-Isopropyltoluene	5	U	(100)		U	(1.0)		U	(0.20)		U	(0.20)		0.43	J		0.45	J		U	(0.20)		U	(0.20)		U	(10)	
Acetone	50	U	(620)		U	(6.2)		U	(1.3)		U	(1.3)		2.2	J		3.7	J		U	(1.3)		U	(1.3)		U	(110)	
Carbon Disulfide	60	U	(110)		U	(1.1)		U	(0.22)		U	(0.22)		U	(0.22)		0.26	BJ		U	(0.22)		U	(0.22)		U	(16)	
Chloroform	7	840	J	X	U	(1.3)		1.6	J		U	(0.25)		15		X	13		X	0.47	J		U	(0.25)		U	(14)	
Methylcyclohexane	NS	U	(140)		U	(1.4)		U	(0.27)		U	(0.27)		0.82	J		0.97	J		U	(0.27)		U	(0.27)		U	(18)	
Tetrachloroethene (PCE)	5	U	(150)		1.8	J		1.5	J		U	(0.3)		U	(0.30)		U	(0.30)		U	(0.30)		U	(0.30)		U	(14)	
Trichloroethene (TCE)	5	95,000		X	690		X	52		X	2.5	J		U	(0.22)		U	(0.22)		4.2	J		6.0		X	5700		X
cis-1,2-Dichloroethene	5	43,000		X	360		X	37		X	3.4	J		6.4		X	5.6		X	0.79	J		3.1	J		3800		X
trans-1,2-Dichloroethene	5	260	J	X	1.9	J		1.4	J		U	(0.33)		U	(0.33)		U	(0.33)		U	(0.33)		U	(0.33)		19	J	X
Vinyl Chloride	2	2,200	J	X	26		X	2.2	J	X	0.5	J		U	(0.32)		U	(0.32)		U	(0.32)		U	(0.32)		84	J	X
n-Butylbenzene	5	U	(110)		U	(1.1)		U	(0.21)		U	(0.21)		0.92	J		0.89	J		U	(0.21)		U	(0.21)		U	(12)	
sec-Butylbenzene	5	U	(140)		U	(1.4)		U	(0.27)		U	(0.27)		4.1	J		3.7	J		U	(0.27)		U	(0.27)		U	(10)	
tert-Butylbenzene	5	U	(100)		U	(1.0)		U	(0.20)		U	(0.20)		1.5	J		1.3	J		U	(0.20)		U	(0.20)		U	(10)	
Total VOCs	NS	141,440			1,084.5			95.70			6.40			31.37			31.17			5.46			9.10			9603		

Notes:
Concentrations shown are in µg/L or parts per billion (ppb)
VOCs = Volatile Organic Compounds
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
MDL = Method Detection Limit: The minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero, but the exact concentration cannot be reliably quantified
J = Detected above the MDL but below the Reporting Limit; therefore, result is an estimated concentration
U (0.17) = Not detected above MDL (MDL provided in parentheses)
B = Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result
X = Exceeds TOGS 1.1.1 Groundwater Standard or Guidance Value
Grey shading indicates MDL exceeds TOGS 1.1.1 Standard or Guidance Value

Table 6

Summary of Detected SVOCs in Groundwater Samples
962, 966, 972-974 East Main Street
Rochester, New York

Constituent	TOGS 1.1.1	Sample ID		
		Sample Date		
		Dilution Factor		
		MW-C		
		3/16/2018		
		1		
Fluoranthene	50	1.6	J	
Phenanthrene	50	1.0	J	
Pyrene	50	1.6	J	

Notes:
Concentrations shown are in µg/L or parts per billion (ppb)
SVOCs = Semi-Volatile Organic Compounds

NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

MDL = Method Detection Limit: The minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero, but the exact concentration cannot be reliably quantified
J = Detected above the MDL but below the Reporting Limit; therefore, result is an estimated concentration
U (0.17) = Not detected above MDL (MDL provided in parentheses)

Table 7

Summary of Detected Metals in Groundwater Samples
962, 966, 972-974 East Main Street
Rochester, New York

Constituent	TOGS 1.1.1	Sample ID								
		Sample Date								
		Dilution Factor								
		MW-C			MW-F			MW-G		
		3/16/2018			3/16/2018			3/16/2018		
		1			1			1		
Arsenic	25	5	J		8	J		8	J	
Barium	1,000	477			977			334		
Chromium	50	20			34			29		
Lead	25	34	J	X	26	J	X	36	J	X
Mercury	0.7	U	(0.09)		0.1	J		U	(0.09)	
Selenium	10	11		X	7	J		U	(4)	

Notes:
Concentrations shown are in µg/L or parts per billion (ppb)
NS = No Standard Available
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
MDL = Method Detection Limit: The minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero, but the exact concentration cannot be reliably quantified
J = Detected above the MDL but below the Reporting Limit; therefore, result is an estimated concentration
U (0.17) = Not detected above method detection limit (MDL provided in parentheses)
X = Exceeds TOGS 1.1.1 Groundwater Standard or Guidance Value

Table 8

Summary of Detected Chlorinated VOCs in Groundwater Samples
962, 966, 972-974 East Main Street
Rochester, New York

Constituent	TOGS 1.1.1	Sample ID																											
		Sample Date																											
		Dilution Factor																											
		MW-A				MW-B				MW-C				MW-D				MW-E				MW-F				MW-G				MW-H			
		3/16/2018				3/16/2018				3/16/2018				3/16/2018				3/16/2018				3/16/2018				3/16/2018				6/18/2018			
		500				5				1				1				1				1				1				50			
1,1,1-Trichloroethane	5	U	(180)			4.8	J			U	(0.36)			U	(0.36)			U	(0.36)			U	(0.36)			U	(0.36)			U	(13)		
Tetrachloroethene (PCE)	5	U	(150)			1.8	J			1.5	J			U	(0.3)			U	(0.30)			U	(0.30)			U	(0.30)			U	(14)		
Trichloroethene (TCE)	5	95,000			X	690			X	52			X	2.5	J			U	(0.22)			4.2	J			6.0			X	5,700			X
cis-1,2-Dichloroethene	5	43,000			X	360			X	37			X	3.4	J			6.4			X	0.79	J			3.1	J			3,800			X
trans-1,2-Dichloroethene	5	260	J		X	1.9	J			1.4	J			U	(0.33)			U	(0.33)			U	(0.33)			U	(0.33)			19	J		X
Vinyl Chloride	2	2,200	J		X	26			X	2.2	J		X	0.5	J			U	(0.32)			U	(0.32)			U	(0.32)			84	J		X
Total Chorinated VOCs	NS	140,460				1,084.5				94.10				6.40				6.40				4.99				9.10				9,603			

Notes:

Concentrations shown are in µg/L or parts per billion (ppb)

VOCs = Volatile Organic Compounds

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NS = No Standard Available

MDL = Method Detection Limit: The minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero, but the exact concentration cannot be reliably quantified

J = Detected above the MDL but below the Reporting Limit; therefore, result is an estimated concentration

U (0.17) = Not detected above MDL (MDL provided in parentheses)

X = Exceeds TOGS 1.1.1 Groundwater Standard or Guidance Value

Grey shading indicates MDL exceeds TOGS 1.1.1 Standard or Guidance Value

Appendix D

Health and Safety Plan

HEALTH AND SAFETY PLAN

REMEDIAL INVESTIGATION/REMEDIAL ACTION ALTERNATIVES
962, 966 AND 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK

NYSDEC SITE No.: 828210

Prepared for: Rochester Steel Treating Works
962 East Main Street
Rochester, New York

Prepared by: Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

Project No. 5491R-18

Date: August 2018 (Revised December 2018)

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ATTACHMENTS

1.0 INTRODUCTION

Day Environmental, Inc. (DAY) prepared this Health and Safety Plan (HASP) to outline policies and procedures to protect workers and the public from potential environmental hazards during the remedial investigation to be conducted at, and in the vicinity of, the property addressed 962, 966 and 972-974 East Main Street, City of Rochester, County of Monroe, New York (the Site). The Project Locus map presented as Figure 1 shows general location of the Site.

Although the HASP focuses on the specific work activities planned for the Site, it must remain flexible due to the nature of this work. Conditions may change and unforeseen situations can arise that require deviations from the original HASP.

1.1 Site Location and Description

The Site consists of three parcels (962 East Main Street, 966 East Main Street and 972-974 East Main Street) totaling approximately 0.63 acres, and it is located in an urban area in Rochester, Monroe County, New York. The Site is currently developed with an approximate 15,000 square foot, combined one-story and two-story concrete block and wood construction building currently used for treatment and finishing of steel components. The remaining portions of the Site are currently vacant land covered with asphalt-paved parking areas, a gravel roadway and/or vegetation (grass and trees).

1.2 Site History/Overview

The Site consists of three contiguous properties as described below:

- 962 East Main Street; Tax Parcel ID 106.75-1-6.001; ±0.31 acres, located on the northwest portion of the Site;
- 966 East Main Street; Tax Parcel ID 106.75-1-7.001; ±0.08 acres, located on the southwest portion of the Site; and
- 972-974 East Main Street; Tax Parcel ID 106.75-1-8.001; ±0.24 acres; located on the eastern portion of the Site.

The Site is developed with one approximately 15,000 square foot one-and two-story building. The Site building was constructed in the 1930s with additions in 1976 and 1988. RSTW has owned/occupied the Site since the 1950s. RSTW operates an industrial facility that treats (i.e., anneals, hardens, straightens, etc.) steel. An office area is located in the southern portion in the southeast portion of the building and the manufacturing areas are located in the remainder of the building. Loading bays are located on the western portion of the building. There is a hazardous waste lockup area located on the northwest interior of the Site building. A paved parking area is located south of the building, and a paved access drive is located west of the building. A concrete covered patio/storage shed area is located north of the building. There are two grass-covered locations on the north portion of the Site.

RSTW has been located at the Site since at least 1956 until present-day. Reportedly, a trichloroethene (TCE) degreaser has been located at the Site since at least 1959. From 1959 until 1972 a TCE degreaser was located approximately 40 ft. east of the location of the current TCE degreaser (refer to Figure 8). This former TCE degreaser reportedly sat in a 3-4 ft. deep pit, similar to the current TCE degreaser. An associated TCE above-ground storage tank (AST) was reportedly located approximately 20 ft. south of the former TCE degreaser. The former TCE AST reportedly fed TCE to the former TCE degreaser through overhead piping.

In 1972, the former TCE degreaser and former TCE AST were reportedly removed from the Site, and the current TCE degreaser and TCE ASTs were installed on the western interior and exterior of the building, respectively (refer to Figure 8 for approximate location of current TCE degreaser and TCE AST). Prior to June 18, 2018, there were two 110-gallon TCE ASTs located on the western exterior of the Site building. On June 18, 2018, these two 110-gallon TCE ASTs were drained and removed and one 175-gallon TCE AST was installed.

The Site has been developed since at least 1875. A review of historical documentation indicates that past uses include apparent residential from at least 1875 to at least 1931; a coal yard in at least 1888; a Planing Mill from at least 1911 to at least 1923; various stores, restaurants, saloons, barbers from at least 1911 through the early 1980s; an auto repair facility from at least 1926 to 1946; an auto painter in at least 1936; a beauty shop from at least 1936 to at least 1941; a printer and insecticide company in at least 1946; a machine shop in at least 1950; a sign company in at least 1966; and, steel treating from at least 1956 to the present.

The surrounding parcels are currently used for a combination of commercial, residential, light industrial, and railway. The nearest residential area is approximately 100 feet northeast, at 45-55 Railroad Street.

1.3 Planned Activities Covered by HASP

This HASP is intended to be used during intrusive environmental studies and subsequent remedial activities (if any) conducted at the Site that have the potential to encounter contaminated materials. Currently, identified activities to be completed at the Site that have the potential to encounter contaminated materials include:

- Site Preparation Activities
- Advancement of test borings and installation of groundwater monitoring wells
- Soil, Groundwater and Soil Vapor sample collection
- Management of Investigation Derived Waste (IDW)

This HASP can be modified to cover other site activities as deemed appropriate. Site personnel implementing work the work described above must have the appropriate level of training required by OSHA including 40-hour Hazardous Waste Operations and

Emergency Response (HAZWOPER) training and current 8-hour refresher training. The owner of the property, its contractors, and other workers at the Site will be responsible for the development and/or implementation of health and safety provisions associated with Site activities.

2.0 KEY PERSONNEL AND MANAGEMENT

The Project Manager (PM) and Site Safety Officer (SSO) are responsible for formulating health and safety requirements, and implementing the HASP.

2.1 Project Manager

The PM has the overall responsibility for the project and will coordinate with the SSO to ensure that the goals of the project are attained in a manner consistent with the HASP requirements.

2.2 Site Safety Officer

The SSO has responsibility for administering the HASP relative to site activities, and will be in the field while activities are in progress. The SSO's operational responsibilities will be monitoring, including personal and environmental monitoring, ensuring personal protective equipment (PPE) maintenance, and identification of protection levels. The air monitoring data obtained by the SSO will be available for review by regulatory agencies and other on-site personnel.

2.3 Employee Safety Responsibility

Each employee is responsible for personal safety as well as safety of others in the area. The employee will use the equipment provided in a safe and responsible manner as directed by the SSO.

2.4 Key Safety Personnel

The following individuals are anticipated to share responsibility for health and safety of DAY representatives at the Site.

DAY Project Manager	Raymond Kampff and/or David Day, P.E.
DAY Site Safety Officer	Heather McLennan, Sean Reese or Nathan Simon.

3.0 SAFETY RESPONSIBILITY

Contractors, consultants, state or local agencies, or other parties, and their employees, involved with this project will be responsible for their own safety while on-site. Their employees will be required to understand the information contained in this HASP, and must follow the recommendations that are made in this document. As an alternative, contractors, consultants, state or local agencies, or other parties, and their employees, involved with this project can utilize their own health and safety plan for this project as long as it is found acceptable to the New York State Department of Health (NYSDOH), NYSDEC and the Monroe County Department of Public Health (MCDPH).

4.0 JOB HAZARD ANALYSIS

There are many hazards associated with environmental work on a site, and this HASP discusses some of the anticipated hazards for this Site. The hazards listed below deal specifically with those hazards associated with the management of potentially contaminated media (e.g. soil, fill, groundwater, etc.).

4.1 Chemical Hazards

Chemical substances can enter the unprotected body by inhalation, skin absorption, ingestion, or injection (i.e., a puncture wound, etc.). A contaminant can cause damage to the point of contact or can act systemically, causing a toxic effect at a part of the body distant from the point of initial contact.

A list of selected constituents that have been detected at the Site at concentrations that exceed soil or groundwater standards, criteria and guidance (SCG) values are presented below. This list also presents the Occupational Safety and Health Administration (OSHA) permissible exposure limits (PELs), National Institute for Occupational Safety and Health (NIOSH) recommended exposure limits (RELs), and NIOSH immediately dangerous to life or health (IDLH) levels.

CONSTITUENT	OSHA PEL	NIOSH REL	IDLH
Trichloroethene (TCE)	537 mg/m^3	134.25 mg/m^3	5370 mg/m^3
trans 1,2- Dichloroethene (trans 1,2-DCE)	790 mg/m^3	790 mg/m^3	3970 mg/m^3
cis 1,2- Dichloroethene (cis 1,2-DCE)	790 mg/m^3	790 mg/m^3	3970 mg/m^3
Vinyl Chloride	2.56 mg/m^3	NA	NA
Chloroform	240 mg/m^3	9.78 mg/m^3	2400 mg/m^3
1,2,4-Trimethylbenzene	NA	125 mg/m^3	NA
Acenaphthene	NA	NA	NA
Anthracene	0.2 mg/m^3	0.1 mg/m^3	80 mg/m^3
Benz(a)anthracene	0.2 mg/m^3	0.1 mg/m^3	80 mg/m^3
Benzo(a)pyrene	0.2 mg/m^3	0.1 mg/m^3	80 mg/m^3
Benzo(b)fluoranthene	0.2 mg/m^3	0.1 mg/m^3	80 mg/m^3
Benzo(k)fluoranthene	0.2 mg/m^3	0.1 mg/m^3	80 mg/m^3
Chrysene	0.2 mg/m^3	0.1 mg/m^3	80 mg/m^3
Dibenz(a,h)anthracene	NA	NA	NA
Fluoranthene	NA	NA	NA
Fluorene	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA

CONSTITUENT	OSHA PEL	NIOSH REL	IDLH
Naphthalene	50 mg/m^3	50 mg/m^3	1250 mg/m^3
Phenanthrene	0.2 mg/m^3	0.1 mg/m^3	80 mg/m^3
Pyrene	0.2 mg/m^3	0.1 mg/m^3	80 mg/m^3
Lead	0.05 mg/m^3	0.05 mg/m^3	100 mg/m^3
Mercury	0.1 mg/m^3	0.05 mg/m^3	10 mg/m^3
Barium	0.5 mg/m^3	0.5 mg/m^3	1100 mg/m^3
Selenium	0.2 mg/m^3	0.2 mg/m^3	1 mg/m^3

NA = Not Available mg/m^3 = milligram per cubic meter

The potential routes of exposure for these analytes and chemicals include inhalation, ingestion, skin absorption and/or skin/eye contact. The potential for exposure through any one of these routes will depend on the activity conducted. The most likely routes of exposure for the anticipated environmental activities at the Site include inhalation and skin/eye contact.

4.2 Physical Hazards

There are physical hazards associated with this project, which might compound the chemical hazards. Hazard identification, training, adherence to the planned environmental measures, and careful housekeeping can prevent many problems or accidents arising from physical hazards. Potential physical hazards associated with this project and suggested preventative measures include:

- Slip/Trip/Fall Hazards – Some areas may have wet or frozen surfaces that will greatly increase the possibility of inadvertent slips. Caution must be exercised when using steps and stairs due to slippery surfaces in conjunction with the fall hazard. Good housekeeping practices are essential to minimize the trip hazards.
- Small Quantity Flammable Liquids – Small quantities of flammable liquids will be stored in “safety” cans and labeled according to contents.
- Electrical Hazards – Electrical devices and equipment shall be de-energized prior to working near them. All extension cords will be kept out of water, protected from crushing, and observed regularly to ensure structural integrity. Temporary electrical circuits will be protected with ground fault circuit interrupters. Only qualified electricians are authorized to work on electrical circuits. Heavy equipment (e.g., excavator, backhoe, drill rig) shall not be operated within 10 feet of high voltage lines, unless proper protection form the high voltage lines is provided by the appropriate utility company.
- Noise – Work around large equipment often creates excessive noise. The effects of noise can include:

- Workers being startled, annoyed, or distracted.

- Physical damage to the ear resulting in pain, or temporary and or/permanent hearing loss.
- Communication interference that may increase potential hazards due to the inability to warn of danger and proper safety precautions to be taken.

Proper hearing protection will be worn as deemed necessary. In general, feasible administrative or engineering controls shall be utilized when on-site personnel are subjected to noise exceeding an 8-hour time weighted average (TWA) sound level of 90 decibels on the A-weighted scale (dBA). In addition, whenever employee noise exposures equal or exceed an 8-hour TWA sound level of 85 dBA, employers shall administer a continuing, effective hearing conservation program as described in the OSHA Regulation 29 Code of Federal Rules (CFR) Part 1910.95.

- Heavy Equipment – Each morning before start-up, heavy equipment will be checked to ensure safety equipment and devices are operational and ready for immediate use.
- Subsurface and Overhead Hazards – Before any excavation activity, efforts will be made to determine whether underground utilities and potential overhead hazards will be encountered. Underground utility clearance must be obtained prior to subsurface work.

4.3 Environmental Hazards

Environmental factors such as weather, wild animals, insects, snakes and irritant plants can pose a hazard when performing outdoor tasks. The SSO shall make reasonable efforts to alleviate these hazards should they arise.

4.3.1 Heat Stress

The combination of warm ambient temperature and protective clothing increases the potential for heat stress. In particular,

- Heat rash
- Heat cramps
- Heat exhaustion
- Heat stroke

Site workers will be encouraged to increase consumption of water or electrolyte-containing beverages such as Gatorade® when the potential for heat stress exists. In addition, workers are encouraged to take rests whenever they feel any adverse effects that may be heat-related. The frequency of breaks may need to be increased upon worker recommendation to the SSO.

4.3.2 Exposure to Cold

With outdoor work in the winter months, the potential exists for hypothermia and frostbite. Protective clothing greatly reduces the possibility of hypothermia in workers. However, personnel will be instructed to wear warm clothing and to stop work to obtain

more clothing if they become too cold. Employees will also be advised to change into dry clothes if their clothing becomes wet from perspiration or from exposure to precipitation.

5.0 SITE CONTROLS

To prevent migration of contamination caused through tracking by personnel or equipment, work areas, and personal protective equipment staging/decontamination areas will be specified prior to beginning operations.

5.1 Site Zones

In the area where contaminated materials present the potential for worker exposure (work zone), personnel entering the area must wear the mandated level of protection for the area. A "transition zone" shall be established where personnel can begin and complete personal and equipment decontamination procedures. This can reduce potential off-site migration of contaminated media. Contaminated equipment or clothing will not be allowed outside the transition zone (e.g., on clean portions of the Site) unless properly containerized for disposal. Operational support facilities will be located outside the transition zone (i.e., in a "support zone"), and normal work clothing and support equipment are appropriate in this area. If possible, the support zone should be located upwind of the work zone and transition zone.

5.2 General

The following items will be requirements to protect the health and safety of workers during implementation of activities that disturb contaminated material.

- Eating, drinking, chewing gum or tobacco, smoking, or any practice that increased the probability of hand to mouth transfer and ingestion of contamination shall not occur in the work zone and/or transition zone during disturbance of contaminated material.
- Personnel admitted in the work zone shall be properly trained in health and safety techniques and equipment usage.
- No personnel shall be admitted in the work zone without the proper safety equipment.
- Proper decontamination procedures shall be followed before leaving the Site.

6.0 PROTECTIVE EQUIPMENT

This section addresses the various levels of PPE, which are or may be required at this job site. Personnel entering the work zone and transition zone shall be trained in the use of the anticipated PPE to be utilized.

6.1 Anticipated Protection Levels

The following table summarizes the protection levels (refer to Section 6.2) anticipated for tasks to be implemented during this project.

TASK	PROTECTION LEVEL	COMMENTS/MODIFICATIONS
Site mobilization	D	
Site preparation	D	
Intrusive work	C/Modified D/D	Based on air monitoring, and SSO discretion.
Decontamination Area	Modified D/D	
Site breakdown and demobilization	D	

It is anticipated that work conducted as part of this project will be performed in Level D or modified Level D PPE. If conditions are encountered that require Level A or Level B PPE, the work will immediately be stopped. The appropriate government agencies (e.g., NYSDEC, NYSDOH, MCDPH, etc.) will be notified and the proper health and safety measures will be implemented (e.g., develop and implement engineering controls, upgrade in PPE, etc.). If conditions are encountered that require Level C PPE, the work will be temporarily suspended and the work site will be evaluated to limit exposure prior to implementing Level C PPE.

6.2 Protection Level Descriptions

This section lists the minimum requirements for each protection level. Modifications to these requirements can be made upon approval of the SSO. If Level A, Level B, and/or Level C PPE is required, Site personnel that enter the work zone and/or transition zone must be properly trained and certified in the use of those levels of PPE.

6.2.1 Level D

Level D consists of the following:

- Safety glasses
- Hard hat when working with heavy equipment
- Steel-toed or composite-toed work boots
- Protective gloves during sampling or handling of potentially contaminated media

- Work clothing as prescribed by weather

6.2.2 Modified Level D

Modified Level D consists of the following:

- Safety glasses with side shields
- Hard hat when working with heavy equipment
- Steel-toed or composite-toed work boots
- Protective gloves during sampling or handling of potentially contaminated media
- Outer protective wear, such as Tyvek coverall [Tyveks (Sarans) and polyvinyl chloride (PVC) acid gear will be required when workers have a potential to be exposed to impacted liquids or impacted particulates]

6.2.3 Level C

Level C consists of the following:

- Air-purifying respirator with appropriate cartridges
- Outer protective wear, such as Tyvek coverall [Tyveks (Sarans) and PVC acid gear will be required when workers have a potential to be exposed to impacted liquids or particulates]
- Hard hat when working with heavy equipment
- Steel-toed or composite-toed work boots
- Nitrile, neoprene, or PVC overboots, if appropriate
- Nitrile, neoprene, or PVC gloves, if appropriate
- Face shield (when projectiles or splashes pose a hazard) and/or safety glasses with side shields.

6.2.4 Level B

Level B protection consists of the items required for Level C protection with the exception that an air-supplied respirator is used in place of the air-purifying respirator. Level B PPE is not anticipated to be required during this project. If the need for level B PPE becomes evident, activities in the affected area will be stopped until conditions are further evaluated, and any necessary modifications to the HASP have been approved by the PM and SSO. Subsequently, the appropriate safety measures (including Level B PPE) must be implemented prior to commencing site activities.

6.2.5 Level A

Level A protection consists of the items required for Level B protection with the addition of a fully encapsulating, vapor-proof suit capable of maintaining positive pressure. Level A PPE is not anticipated to be required during this project. If the need for level A PPE becomes evident, activities in the affected area will be stopped until conditions are further evaluated, and any necessary modifications to the HASP have been approved by the PM and SSO. Subsequently, the appropriate safety measures (including Level A PPE) must be implemented prior to commencing site activities.

6.3 Respiratory Protection

Any respirator used will meet the requirements of the OSHA 29 CFR 1910.134. Both the respirator and cartridges specified shall be fit-tested prior to use in accordance with OSHA regulations (29 CFR 1910). Air purifying respirators shall not be worn if contaminant levels exceed designated respirator cartridge use concentrations. The workers will wear respirators with approval for: organic vapors less than 1,000 ppm; and dusts, fumes and mists with a TWA less than 0.05 milligrams per cubic meter (mg/m^3).

No personnel who have facial hair, which interferes with respirator sealing surface, will be permitted to wear a respirator and will not be permitted to work in areas requiring respirator use.

Only workers who have been certified by a physician as being physically capable of respirator usage shall be issued a respirator. Personnel unable to pass a respiratory fit test or without medical clearance for respirator use will not be permitted to enter or work in areas that require respirator protection.

7.0 DECONTAMINATION PROCEDURES

This section describes the procedures necessary to ensure that both personnel and equipment are free from contamination when they leave the work site.

7.1 Personnel Decontamination

Personnel involved with activities that involve disturbing contaminated media will follow the decontamination procedures described herein to ensure that material which workers may have contacted in the work zone and/or transition zone does not result in personal exposure and is not spread to clean areas of the Site. This sequence describes the general decontamination procedure. The specific stages can vary depending on the Site, the task, and the protection level, etc.

1. Leave work zone and go to transition zone
2. Remove soil/debris from boots and gloves
3. Remove boots
4. Remove gloves
5. Remove Tyvek suit and discard, if applicable
6. Remove and wash respirator, if applicable
7. Go to support zone

7.2 Equipment Decontamination

In order to reduce the potential for cross-contamination of samples collected during this project, the following procedures will be implemented to ensure that the data collected (primarily the laboratory data) is acceptable.

It is anticipated that most of the materials used to assist in obtaining samples will be disposable one-time use materials (e.g., sampling containers, bailers, rope, pump tubing, latex gloves, etc.). However, when equipment must be re-used (e.g., drill rigs, static water level indicator, split spoon samplers, etc.), it will be decontaminated by at least one of the following methods:

- Steam clean the equipment within a dedicated decontamination area; or
- Rough wash in tap water; wash in mixture of tap water and Alconox-type soap; double rinse with deionized or distilled water; and air dry and/or dry with clean paper towel.

The decontamination area will be set-up in a location to minimize disturbance to properties surrounding the work area.

7.3 Disposal

Disposable clothing will be disposed in accordance with applicable regulations. Liquids (e.g., decontamination water, etc.) or solids (e.g., soil) generated by remedial activities will be disposed in accordance with applicable regulations.

8.0 AIR MONITORING

During activities that have the potential to disturb contaminated soil, fill material, or groundwater, air monitoring will be conducted in order to determine airborne particulate and contamination levels. This ensures that respiratory protection is adequate to protect personnel against the chemicals that are encountered and that chemical contaminants are not migrating off-site. Additional air monitoring may be conducted at the discretion of the SSO. Readings will be recorded and be available for review.

The following chart describes the direct reading instrumentation that will be utilized and appropriate action levels.

Monitoring Device	Action Level	Response/Level of PPE
PID Volatile Organic Compound Meter	< 1 ppm in breathing zone, sustained 5 minutes	Level D
	1-25 ppm in breathing zone, sustained 5 minutes	Cease work, implement measures to reduce air emissions when the work is performed, etc. If levels can not be brought below 1 ppm in the breathing zone, then upgrade PPE to Level C
	26-250 ppm in breathing zone, sustained 5 minutes	Level B, Stop work, evaluate the use of engineering controls, etc.
	>250 ppm in breathing zone	Level A, Stop work, evaluate the use of engineering controls, etc.
RTAM Particulate Meter	< 100 µg/m^3 over an integrated period not to exceed 15 minutes.	Continue working
	> 100 µg/m^3	Cease work, implement dust suppression, change in way work performed, etc. If levels can not be brought below 150 µg/m^3, then upgrade PPE to Level C

µg/m^3 = microgram per cubic meter ppm = parts per million

8.1 Particulate Monitoring

During activities where contaminated materials (e.g., soil, fill, etc.) may be disturbed, air monitoring will include real-time monitoring for particulates using a real-time aerosol

monitor (RTAM) particulate meter at the perimeter of the work zone in accordance with the Final DER-10 Technical Guidance for Site Investigation and Remediation (DER-10) dated May 2010. DER-10 uses an action level of 100 µg/m^3 (0.10 mg/m^3) over background conditions for an integrated period not to exceed 15 minutes. If the action level is exceeded, or if visible dust is encountered, then work shall be discontinued until corrective actions are implemented. Corrective actions may include dust suppression, change in the way work is performed, and/or upgrade of personal protective equipment.

8.2 Volatile Organic Compound Monitoring

During activities where contaminated materials may be disturbed, a photoionization detector (PID) will be used to monitor total VOCs in the ambient air. The PID will prove useful as a direct reading instrument to aid in determining if current respiratory protection is adequate or needs to be upgraded. The SSO will take measurements before operations begin in an area to determine the amount of VOCs naturally occurring in the air. This is referred to as a background level. Levels of VOCs will periodically be measured in the air at active work sites, and at the transition zone when levels are detected above background in the work zone.

8.3 Community Air Monitoring Plan

During activities that have the potential to disturb contaminated soil, fill material, or groundwater, this Community Air Monitoring Plan (CAMP) will be implemented. The CAMP includes real-time monitoring for VOCs and particulates (i.e., dust) at the downwind perimeter of each designated work area when activities with the potential to release VOCs or dust are in progress at the Site. This CAMP is based on the NYSDOH Generic CAMP included as Appendix 1A DER-10. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, the intent pf this CAMP is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences/businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of project activities.

Continuous monitoring will be conducted during ground intrusive activities involving potentially contaminated soil, fill material or groundwater. Ground intrusive activities include, but are not limited to, test pitting or trenching, advancement/installation of test borings or monitoring wells, etc.

Periodic monitoring for VOCs will be conducted during non-intrusive activities involving potentially contaminated soil, fill material or groundwater where deemed appropriate (e.g., during collection of soil samples or groundwater samples, etc.).

8.3.1 VOC Monitoring, Response Levels, and Actions

VOCs must be monitored at the downwind perimeter of the immediate work area (i.e., the work zone) on a continuous basis or as otherwise specified. Upwind concentrations

should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 ppm above background for the 15-minute average, work activities must be temporarily halted and monitoring must be continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source or vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less (but in no case less than 20 feet), is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

The 15-minute readings must be recorded and made available for NYSDEC and NYSDOH personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

8.3.2 Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind perimeter of the work zone at temporary particulate monitoring stations. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter ($\mu g/m^3$) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression

techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 $\mu g/m^3$ above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 $\mu g/m^3$ above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 $\mu g/m^3$ of the upwind level and in preventing visible dust migration.

Readings will be recorded and made available for review.

9.0 EMERGENCY CONTINGENCY PLAN

This section presents the emergency contingency plan (ECP) describing the procedures to be performed in the event of an emergency (e.g., fire, spill, tank/drum release, etc.). To provide first-line assistance to field personnel in the case of illness or injury, the following items will be made immediately available on the Site:

- First-aid kit;
- Portable emergency eye wash; and
- Supply of clean water.
-

9.1 Emergency Telephone Numbers

The following telephone numbers are listed in case there is an emergency at the Site:

Fire/Police Department:	911
Poison Control Center:	(800) 222-1222
NYSDEC	
Region 8: Headquarters	(585) 226-2466
Spill Hotline	(800) 457-7362
NYSDOH	
Public Health Duty Officer	(866) 881-2809
MCDPH	
Public Health Engineering	(585) 753-5060
RSTW Inc.	
Brian Miller	(585) 546-3348 x 202
DAY ENVIRONMENTAL, INC.	
Heather McLennan	Office - (585) 454-0210 x116 Cell - (585) 967-2804
NEAREST HOSPITAL:	Highland Hospital 1000 South Avenue, Rochester, NY 14620 (585) 473-2200 (Main) (585) 341-6870 (Emergency Department)
Directions to the Hospital:	Head west on East Main Street toward Birch Crescent. Turn Left onto Alexander Street. Turn left onto South Avenue. Turn left into Highland Hospital at 1000 South Avenue, Rochester, New York (Figure 1).

9.2 Evacuation

During activities involving potential disturbance of contaminated soil, fill material, or groundwater, a log of each individual entering and leaving the Site will be kept for emergency accounting practices. Although unlikely, it is possible that a site emergency could require evacuating personnel from the Site. If required, the SSO will give the appropriate signal for site evacuation (i.e., hand signals, alarms, etc.).

All personnel shall exit the Site and shall congregate in an area designated by the SSO. The SSO shall ensure that all personnel are accounted for. If someone is missing, the SSO will alert emergency personnel. The appropriate government agencies will be notified as soon as possible regarding the evacuation, and any necessary measures that may be required to mitigate the reason for the evacuation.

9.3 Medical Emergency

In the event of a medical emergency involving illness or injury to one of the on-site personnel, Emergency Medical Services (EMS) and the appropriate government agencies should be notified immediately. The area in which the injury or illness occurred shall not be entered until the cause of the illness or injury is known. The nature of injury or illness shall be assessed. If the victim appears to be critically injured, administer first aid and/or cardio-pulmonary resuscitation (CPR) as needed. If appropriate, instantaneous real-time air monitoring shall be done in accordance with air monitoring outlined in Section 8.0 of this HASP.

9.4 Contamination Emergency

It is unlikely that a contamination emergency will occur; however, if such an emergency does occur, the specific work area shall be shut down and immediately secured. If an emergency rescue is needed, notify Police, Fire Department and EMS units immediately. Advise them of the situation and request an expedient response. The appropriate government agencies shall be notified immediately. The area in which the contamination occurred shall not be entered until the arrival of trained personnel who are properly equipped with the appropriate PPE and monitoring instrumentation as outlined in Section 8.0 of this HASP.

9.5 Fire Emergency

In the event of a fire on-site, all non-essential site personnel shall be evacuated to a safe, secure area. The Fire Department will be notified immediately, and advised of the situation and the identification of any hazardous materials involved. The appropriate government agencies shall be notified as soon as possible.

The four classes of fire along with their constituents are as follows:

Class A: Wood, cloth, paper, rubber, many plastics, and ordinary combustible materials.

Class B: Flammable liquids, gases and greases.

Class C: Energized electrical equipment.

Class D: Combustible metals such as magnesium, titanium, sodium, potassium.

Small fires on-site may be actively extinguished; however, extreme care shall be taken while in this operation. Approaches to the fire shall be done from the upwind side if possible. Distance from on-site personnel to the fire shall be close enough to ensure proper application of the extinguishing material but far enough away to ensure that the personnel are safe. The proper extinguisher shall be utilized for the Class(es) of fire present on the site. If possible, the fuel source shall be cut off or separated from the fire. Care must be taken when performing operations involving the shut-off of valves and manifolds, if present.

Examples of proper extinguishing agent as follows:

Class A: Water
Water with 1% Aqueous Film Forming Foam (AFFF) (Wet Water)
Water with 6% AFFF or Fluorprotein Foam
ABC Dry Chemical

Class B: ABC Dry Chemical
Purple K
Carbon Dioxide
Water with 6% AFFF

Class C: ABC Dry Chemical
Carbon Dioxide

Class D: Metal-X Dry Powder

No attempt shall be made against large fires, these shall be handled by the Fire Department.

9.6 Spill or Air Release

In the event of a spill or air release of hazardous materials on-site, the specific area of the spill or release shall be shut down and immediately secured. The area in which the spill or release occurred shall not be entered until the cause can be determined and site

safety can be evaluated. Non-essential site personnel shall be evacuated to a safe and secure area. The appropriate government agencies shall be notified as soon as possible. The spilled or released material shall be immediately indentified and appropriate containment measures shall be implemented, if possible. Real-time air monitoring shall be implemented as outlined in Section 8.0 of this HASP. If the materials are unknown, Level B protection is mandatory. If warranted, samples of the materials shall be acquired to facilitate identification.

9.7 Locating Containerized Waste and/or Underground Storage Tanks

In the event that unanticipated containerized waster (e.g., drums) and/or underground storage tanks (USTs) are located during investigation and/or subsequent remedial activities, the work must be stopped in the specific area until site safety can be evaluated and addressed. Non-essential Site personnel shall not work in the immediate area until conditions including possible exposure hazards are addressed. The appropriate government agencies shall be notified as soon as possible. The SSO shall monitor the area as outlined in Section 8.0 of this HASP.

Prior to handling, unanticipated containers will be visually assessed by the SSO to gain as much information as possible about their contents. As a precautionary measure, personnel shall assume that unlabelled containers and/or tanks contain hazardous materials until their contents are characterized. To the extent possible based upon the nature of the containers encountered, actions may be taken to stabilize the area and prevent migration (e.g., placement of berms, etc.). Subsequent to initial visual assessment and any required stabilization, properly trained personnel will sample, test, remove, and dispose of any containers and/or tanks, and their contents. After visual assessment and air monitoring, if the material remains unknown, Level B protection (or higher) is mandatory.

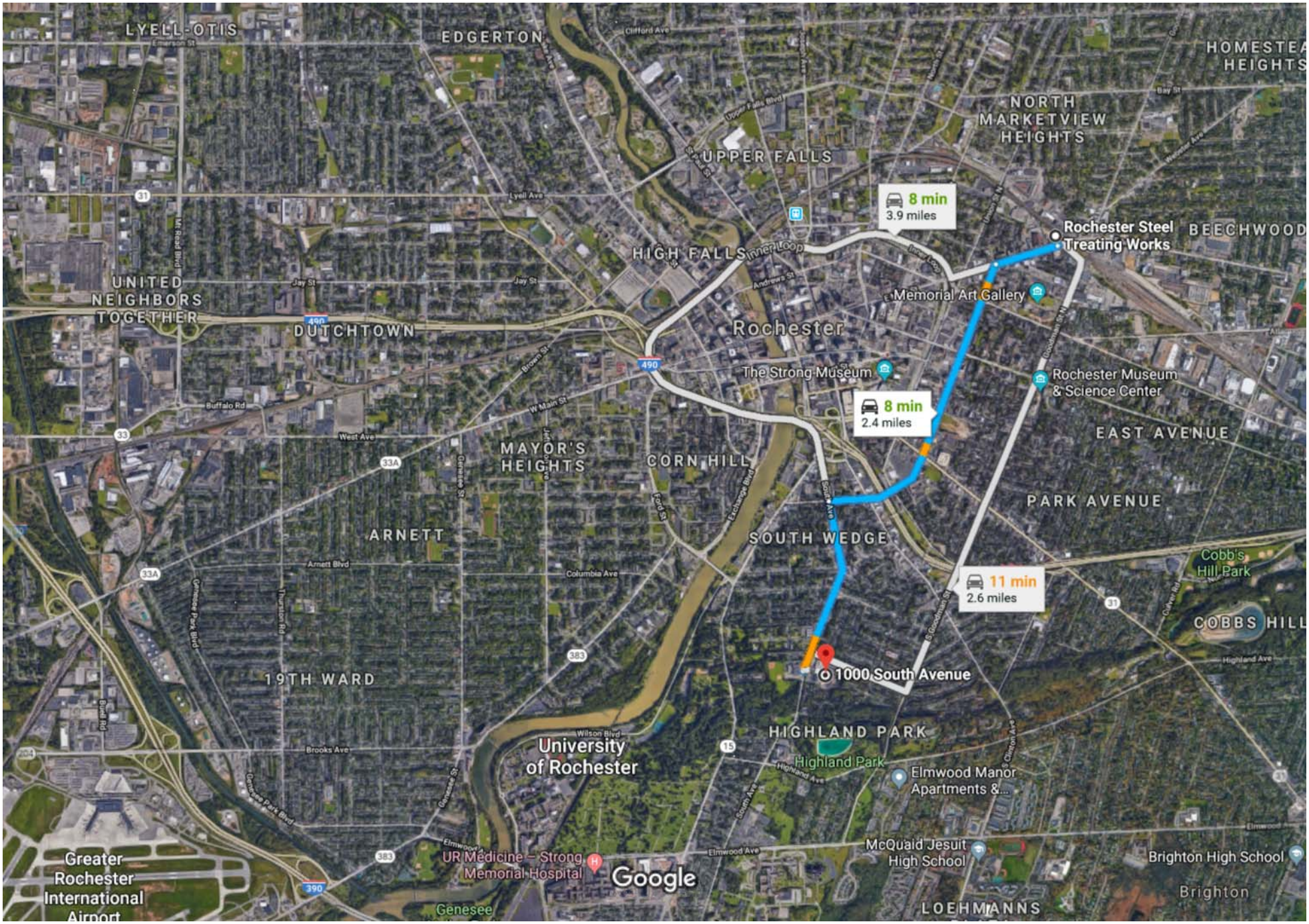
10.0 ABBREVIATIONS

AFFF	Aqueous Film Forming Foams
bgs	Below Ground Surface
CAMP	Community Air Monitoring Program
CFR	Code of Federal Regulations
cis 1,2-DCE	cis 1,2-dichloroethene
CPR	Cardio-Pulmonary Resuscitation
DAY	Day Environmental, Inc.
dBA	Decibels on the A-Weighted Scale
ECP	Emergency Contingency Plan
EMS	Emergency Medical Service
ESA	Environmental Site Assessment
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IDLH	Immediately Dangerous to Life or Heath
IDW	Investigative Derived Waste
MCDPH	Monroe County Department of Public Health
mg/m^3	Milligram Per Meter Cubed
NIOSH	National Institute for Occupational Safety and Health
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
PCE	Tetrachloroethene
PEL	Permissible Exposure Limit
Phase I ESA	Phase I Environmental Site Assessment
PID	Photoionization Detector
PM	Project Manager
PM-10	Particulate Matter Less Than 10 Micrometers In Diameter
PPE	Personal Protection Equipment
ppm	Parts Per Million
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
REC	Recognized Environmental Condition
REL	Recommended Exposure Limit
RTAM	Real-Time Aerosol Monitor
SCG	Standards, Criteria and Guidance
SCO	Soil Cleanup Objective
SSO	Site Safety Officer
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TIC	Tentatively Identified Compound
TCL	Target Compound List
Trans 1,2 DCE	trans 1,2-dicloroethene
TPH	Total Petroleum Hydrocarbons

TWA	Time-Weighted Average
UST	Underground Storage Tank
$\mu g/m^3$	Micrograms Per Meter Cubed
VC	Vinyl Chloride
VOC	Volatile Organic Compound

ATTACHMENT 1

Figure 1 – Route for Emergency Services



Imagery ©2018 Google, Map data ©2018 Google 2000 ft

Rochester Steel Treating Works

962 E Main St, Rochester, NY 14605

1. Head west on E Main St toward Birch Crescent

0.3 mi

2. Turn left onto Alexander St

1.3 mi

3. Turn left onto South Ave

0.7 mi

1000 South Ave

Rochester, NY 14620

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Appendix E

Quality Assurance Project Plan

QUALITY ASSURANCE PROJECT PLAN
REMEDIAL INVESTIGATION/REMEDIAL ALTERNATIVES ANALYSIS

962, 966 AND 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK

NYSDEC SITE NUMBER: 828210

Prepared for: Rochester Steel Treating Works
962 East Main Street
Rochester, New York

Prepared by: Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York

Project No.: 5491R-18

Date: August 2018 (Revised December 2018)

Table of Contents

1.0 INTRODUCTION

This project-specific Quality Assurance Project Plan (QAPP) was prepared in accordance with Section 2.4 of the New York State Department of Environmental Conservation (NYSDEC) Technical Guidance, For Site Investigation and Remediation DER-10 dated May 2010. This QAPP provides quality assurance/quality control (QA/QC) protocols and guidance that are to be followed when implementing the Remedial Investigation/Remedial alternatives Analysis Work Plan (RI/RAA Work Plan) for 962, 966 and 972-974 East Main Street, Rochester, New York (Site) to ensure that data of a known and acceptable precision and accuracy are generated. The QAPP also provides a summary of the project, identifies personnel responsibilities, and provides procedures to be used during sampling of environmental media, other field activities, and the analytical laboratory testing of samples. The components of the QAPP are provided herein.

1.1 PROJECT SCOPE AND PROJECT GOALS

The QAPP applies to the aspects of the project associated with the collection of field data, the collection and analytical laboratory testing of field samples and QA/QC samples, and the evaluation of the quality of the data that is generated. Specifically, the investigation will include a utility assessment, surface soil sampling, subsurface soil sampling (soil borings), and groundwater sampling. A summary of the anticipated number of analytical samples is provided in Table 1 of the RI/RAA Work plan. Detailed discussions of the project scope and project goals are provided in the RI/RAA Work Plan. In general, the project goal is to obtain sufficient information to characterize the nature and extent of contamination at the Site sufficiently to develop remedial alternatives for the Site.

2.0 PROJECT/TASK ORGANIZATION

Project organization and tentative personnel to implement the work are outlined in this section of the QAPP.

2.1 DAY ORGANIZATION

Information regarding key personnel for Day Environmental, Inc. (DAY) is provided below, and resumes of key personnel are included in Attachment 1.

DAY Principal in Charge

The Principal in Charge is responsible for such things as the review of project documents and ensuring that the project is completed in accordance with relative work plans. Mr. David D. Day, P.E. will serve as DAY's Principle-in-Charge on this project.

DAY Project Manager

The DAY Project Manager has the overall responsibility for implementing the project and ensuring that the project meets the objectives and quality standards as presented in this QAPP. Mr. Raymond Kampff will serve as DAY's Project Manager on this project, and will serve as DAY's primary point of contact and control for the project.

DAY Quality Assurance Officer

The Quality Assurance Officer is responsible for QA/QC on this project. The Quality Assurance Officer's responsibilities on this project are not as a project manager or task manager involved with project productivity or profitability as job performance criteria. Ms. Heather McLennan will serve as DAY's Quality Assurance Officer on this project. The Quality Assurance Officer may conduct audits of the operations at the Site to ensure that work is being performed in accordance with the QAPP.

DAY Technical Staff

DAY's technical staff for this project consists of experienced professionals (e.g., professional engineers, engineers-in-training, scientists, technicians, etc.) that possess the qualifications necessary to effectively and efficiently complete the project tasks. The technical staff will be used to gather and analyze data, prepare various project documentation, etc.

2.2 ANALYTICAL LABORATORIES

A New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory (ELAP ID 11522) wil be utilized for the analytical services work assocaited with this project. A copy of the Quality Assurance Plan (QAP) can be provied upon request.

3.0 QUALITY ASSURANCE/QUALITY CONTROL

As part of this QAPP, QA/QC protocol and procedures have been developed and are described below. The objective of the QA/QC protocol and procedures is to ensure that the information, data, and decisions associated with this project are technically sound and properly documented. The QA/QC protocol and procedures also pertain to the collection, evaluation, and review of activities and data that are part of this project. These QA/QC protocol and procedures will be modified in supplemental work plans when deemed appropriate.

3.1 OPERATION AND CALIBRATION OF ON-SITE MONITORING EQUIPMENT

On-site monitoring equipment will play a significant role in meeting the RI objectives and to determine the appropriate personal protective equipment (PPE) as noted in the Health and Safety Plan (HASP). The on-site, monitoring equipment includes volatile organic compound (VOC) monitors, particulate monitors, oil/water interface probes, an electronic static water level indicator; water quality monitors, and global position system (GPS). Operation and calibration of on-site monitoring equipment that are anticipated for use during the RI are discussed below.

3.1.1 VOC Monitoring Equipment

Real-time monitoring for VOCs will be conducted to evaluate the nature and extent of petroleum- or solvent-type discharges at the Site and to determine the appropriate PPE as noted in the HASP. The primary field instrument for monitoring VOCs during the RI will be a photoionization detector (PID). It is anticipated that a Minirae 3000 PID (or equivalent) equipped with a 10.6 eV lamp will be used during this project. An accredited firm/testing laboratory will calibrate the equipment on a yearly basis. During fieldwork, the PID will be calibrated on a daily basis in accordance with the manufacturer's specifications. Isobutylene gas will be used to calibrate the PID prior to use and as necessary during fieldwork. Measurements will be collected before operations begin in an area to determine the amount of VOCs naturally occurring in the air (i.e., background concentrations).

3.1.2 Particulate Monitoring Equipment

Particulate monitoring will be conducted during intrusive activities as noted in the Community Air Monitoring Plan (CAMP) portion of the HASP. It is anticipated that the particulate air monitoring will be conducted using a real-time aerosol monitor (RATM) particulate meter. An accredited firm/testing laboratory will calibrate the equipment on a yearly basis. During fieldwork, the particulate meter will be regularly calibrated in accordance with the manufacturer's specifications. Measurements will be collected along the upwind perimeter of the intrusive investigation activities to determine the amount of particulates naturally occurring in the air (i.e., background concentrations) as per the requirements of the CAMP.

3.1.3 Global Positioning System Equipment

A GPS unit will be used to obtain the precise locations of sampling points and significant site features. It is anticipated that a Trimble GeoXH will be used during this project. The GPS location accuracy of <1 horizontal foot is the data quality objective for this project. The GPS unit will be calibrated as needed in accordance with the manufacturer's specifications. The GPS location data will conform to Rochester's GIS coordinate system (NAD 1983 State Plane New York West) to match adjacent features that may affect contaminant migration such as underground utilities.

3.1.4 Miscellaneous Field Monitoring Equipment

Several other pieces of miscellaneous field monitoring equipment will be used as part of the project. It is anticipated that the other field monitoring equipment utilized during portions of the project include:

- An electronic static water level indicator;
- An oil/water interface meter, and;
- A Horiba U-22 water quality meter that measures pH, specific conductivity, temperature, dissolved oxygen, oxygen-reduction potential, and turbidity.

These meters will be calibrated, operated, and maintained in accordance with he manufacturer's instructions.

3.3 GENERAL SOIL SCREENING AND LOGGING

A DAY representative will: document visual observations; screen the surface, split spoon and macro-core samples with a PID; collect selected portions of the samples for possible laboratory analysis; collect other portions of the samples (and process and screen the headspace of these selected samples with a PID), photograph soil collection activities, and prepare logs that provide pertinent field information.

Pertinent information that will be recorded on surface soil sample logs will include:

- Date, sample identification, and project identification;
- Name of individual developing the log;
- Depths recorded in feet and fractions thereof (tenths of inches) referenced to ground surface;
- Description of soil type using the Unified Soil Classification System; and
- PID screening results of ambient headspace air above selected soil samples.

Pertinent information will be recorded on test boring/well logs, and will include:

- Date, boring/well identification, and project identification;
- Name of individual developing the log;
- Name of drilling contractor;
- Drill make and model, and auger size;

- Identification of alternative drilling methods used and justification thereof;
- Depths recorded in feet and fractions thereof (tenths of inches) referenced to ground surface;
- Standard penetration test (ASTM D-1586) blow counts (if applicable);
- The length of the sample interval and the percentage of the sample recovered;
- Description of soil type using the Unified Soil Classification System;
- The depth of the first encountered water table (if encountered), along with the method of determination, referenced to ground surface;
- Drilling and borehole characteristics;
- Sequential stratigraphic boundaries and soil types consistent with logging performed on other project elements;
- Well specifications (materials; screened interval; amount of Portland cement, bentonite and water used to mix grout; etc.); and
- PID screening results of ambient headspace air above selected soil samples.

3.4 SOIL SAMPLE HEADSPACE SCREENING

The recovered soil samples will be visually examined by a DAY representative for evidence of suspect contamination (e.g., staining, unusual odors) and screened with a PID. Portions of the recovered soil samples may be placed in containers for possible analytical laboratory testing. Different portions of the soil samples will be placed in sealable Ziploc®-type plastic baggies, and will be field screened the same day they are collected. Each sample will be agitated and homogenized for at least 30 seconds and allowed to equilibrate for at least three minutes. The ambient headspace air inside the baggie above each sample will be screened for total VOC vapors with the PID equipped with a 10.6 eV lamp. The sampling port for the PID will be placed in the ambient air headspace inside the bag by opening a corner of the "locked" portion of the bag. The PID will monitor air inside the baggie for a period of at least 15 seconds and the peak readings measured will be recorded on a log sheet or log book.

3.5 NAPL SCREENING SHAKE TEST

Field evidence of suspect non-aqueous phase liquid (NAPL) will be confirmed in the field utilizing a hydrophobic dye shake test. Field evidence of suspect NAPL include, but not limited to, elevated PID readings (i.e., >1,000 parts per million (ppm)), saturated soil with petroleum or solvent odors or significant staining, and apparent free phase or residual NAPL. The NAPL screening shake test is applicable for both light non-aqueous phase liquid (LNAPL) and DNAPL. If field evidence suggests the presence of LNAPL or DNAPL, the DAY will perform a shake test on an aliquot of the corresponding soil sample using hydrophobic dye. The sample aliquot will be mixed with approximately two ounces potable water, and a pinch of Sudan IV or equivalent hydrophobic dye will be placed in a sealable plastic baggie, agitated for approximately 10 seconds, and then noted for pigment staining. If organic NAPL is present, the Sudan IV Pigment should result in pigment staining. The NAPL screening shake test results will be documented and if possible photographed for documentation purposes. The hydrophobic dye will be handled with care using a new pair of disposable gloves. Following the shake test, the plastic baggie containing the soil-dye moisture and associated PPE should be managed

as investigation derived waste (IDW). Soils containing hydrophobic dye and PPE will not be used for confirmatory analytical analyses or headspace readings.

3.6 WELL DEVELOPMENT

Monitoring wells will be developed by utilizing either a new dedicated disposable bailer with dedicated cord, and/or a pump and dedicated disposable tubing depending on the field conditions. No fluids will be added to the wells during development without prior approval of the NYSDEC, and well development equipment will be decontaminated prior to development of each well.

The well development procedure is listed below:

- Obtain pre-development static water level and oil/water interface reading for presence of LNAPL or DNAPL using a Heron Model HO1.L oil/water interface probe or similar instrument;
- Calculate water/sediment volume in the well;
- Obtain initial field water quality measurements (e.g., pH, specific conductivity, turbidity, temperature, and PID readings). The pH, specific conductivity, turbidity and temperature readings will be obtained using Horiba U-22 water quality meter (or similar equipment);
- Select development method and set up equipment depending on method used;
- Alternate water agitation methods (e.g., moving a bailer or pump tubing up and down inside the screened interval) and water removal methods (e.g., pumping or bailing) in order to suspend and remove solids from the well;
- Obtain field water quality measurements for every two to five gallons of water removed. Record water quantities and rates removed;
- Stop development when the following water quality criteria are met or at least 3 well volumes have been removed;
    - Water is clear and free of sediment and turbidity is less than 50 nephelometric turbidity units (NTUs);
    - pH is ±0.1 standard unit between readings;
    - Specific conductivity is ±3% between readings, and;
    - Temperature is ±10% between readings.
    - Obtain post-development water level readings; and
    - Document development procedures, measurements, quantities, etc.

Pertinent information for each well will be recorded on well development logs.

3.7 WASTE CHARACTERIZATION SAMPLING

IDW will be managed in accordance with the guidelines outlined in Section 4.9 of the RI/RAA Work Plan. Supplemental sampling of the IDW is anticipated in order to obtain approvals from appropriate disposal and/or recycling at an authorized solid waste

management facility or publicly owned wastewater treatment works (liquids). The following protocols likely apply to IDW sampling:

- The objective of IDW sampling is to characterize a substantial mass of waste requiring disposal. Consequently, the sample should be collected in a manner that is representative of the entire waste mass and not limited to a specific zone of concern or observed contamination.
- Grab samples may be composited to form one sample for analytical analyses.

4.0 EQUIPMENT DECONTAMINATION PROCEDURES

In order to reduce the potential for cross-contamination of samples collected during this project, the following procedures will be implemented to ensure that the data collected (primarily the laboratory data) is acceptable.

It is anticipated that most of the materials used to assist in obtaining samples will be disposable one-time use materials (e.g., sampling containers, bailers, rope, pump tubing, latex gloves, etc.). However, when equipment must be re-used (e.g., drill rigs, static water level indicator, split spoon samplers, etc.), it will be decontaminated by at least one of the following methods:

- Steam clean the equipment within a dedicated decontamination area; or
- Rough wash in tap water; wash in mixture of tap water and Alconox-type soap; double rinse with deionized or distilled water; and air dry and/or dry with clean paper towel.

The effectiveness of the equipment decontamination of non-dedicated sampling equipment such as split-spoon samplers will be evaluated via analytical laboratory testing of field blanks (e.g., rinsate samples). Decontamination liquids, disposable equipment and PPE will be containerized and left on-site until a proper disposal method is determined. The location of a dedicated decontamination area at, or in the vicinity of the Site will be determined, with NYSDEC input, prior to the commencement of the RI field activities.

5.0 SAMPLE HANDLING AND CUSTODY REQUIREMENTS

During sampling activities, personnel will wear disposable latex or nitrile gloves. Between collection of samples, personnel performing the sampling will discard used latex gloves and put on new gloves to preclude cross-contamination between samples. As few personnel as possible will handle samples or be in charge of their custody prior to shipment to the analytical laboratory.

New laboratory-grade sample containers will be used for each sample collected. Sufficient volume will be collected to ensure that the laboratory has adequate sample volume to perform the specified analyses. Samples will be collected in accrodance with United States Environmental Protection Agency (USEPA) Method 5035 when VOC analysis is going to be performed. Samples to be tested for emerging contaminantts will be collected and tested in accordance with the NYSDEC document tilted Groundwater Sampling for Emerging Contamiants dated April 2018. Samples will be kept on ice in a cooler for shipment to the analytical laboratory.

Samples will be preserved as specified by the analytical laboratory for the type of parameters and matrices being tested. The required amount of preservatives will be added by the analytical laboratory to the sample containers prior to delivery to the Site.

Chain-Of-Custody

Samples that are collected for subsequent testing as part of this project will be handled using chain-of-custody control. Chain-of-custody documentation will accompany samples from their inception to their analysis, and copies of chain-of-custody documentation will be included with the laboratory's report. The chain-of-custody will include the date and time the sample was collected, the sample identity and sampling location, the requested analysis, and any request for accelerated turnaround time.

Sample Labels

Sample labels for field samples and QC samples with adhesive backing will be placed on sample containers in order to identify the sample. Sample information will be clearly written on the sample labels using waterproof ink. Sufficient sample information will be provided on the label to allow for cross-reference with the field sampling records or sample logbook.

The following information will be provided on each sample label:

Name of company;
Initials of sampler;
Date and time of collection;
Sample identification;
Intended analyses; and
Preservation required.

Custody Seals

Custody seals are preprinted adhesive-backed seals that are designed to break if disturbed. Seals will be signed and dated before being placed on the shipping cooler. Seals will be placed on one or more location on each shipping cooler as necessary to ensure security. Shipping tape will be placed over the seals on the coolers to ensure that the seals are not accidentally broken during shipment. Sample receipt personnel at the laboratory will check and document whether the seals on the shipping coolers are intact when received.

Sample Identification

The following format will be used on the labels affixed to sample containers to identify samples:

Each sample will be numbered in succession using a 3 digit identifer and starting with sample 001. The sample test location will also be provided after the sample number using the following test location designations:

SS	Surface Soil Sample
TP-x (x-x)	Test pit excavation soil sample with depth interval below ground surface in tenths of a foot (x – x').
TB-xx (x-x')	Boring soil sample with depth interval in parentheses below ground surface in tenths of a foot (x – x')
MW-X	Overburden Groundwater sample with monitoring well letter
BRMW-X	Bedrock Groundwater sample with monitoirng well letter
EW-X	Extraction Well sample with well number
TBxx/xx/xx-	Trip Blank sample with day/month/year
FBxx/xx/xx-	Field Blank sample (rinsate) with day/month/year

As an example, assuming the first project sample is a soil sample collected from a test pit TP-1 at a depth of 10 feet, the sample will be designated as 001/TP-1(10').

Transportation of Samples

Samples will be handled, packaged and shipped in accordance with applicable regulations, and in a manner that does not diminish their quality or integrity. Samples will be delivered to the laboratory no later than 48 hours from the day of collection.

6.0 ANALYTICAL QUALTIY ASSURANCE/QUALITY CONTROL

Analytical laboratory test results will be reported in NYSDEC Analytical Services Protocol (ASP) Category B deliverable reports. Analytical laboratory test results for soil samples will be reported on a dry-weight basis. The analytical laboratory will make every effort to analyze the samples using the lowest practical quantitation limits (PQLs) possible for soil and groundwater samples. In addition, analytical laboratory results will be provided to the NYSDEC using the NYSDEC's Equis Format.

The analytical laboratory will provide internal QA/QC checks that are required by NYSDEC ASP and/or USEPA contract laboratory protocol (CLP) protocol, such as analyses performed, spike blanks, internal standards, surrogate samples, calibration standards, and reference standards. Laboratory reports will be reviewed as outlined in the laboratories QAP. Laboratory results will be compared to data quality indicators in accordance with the laboratory's QAP and the NYSDEC ASP.

Table 1 of the RI/RAA Work plan provides a summary of the analytical samples scheduled for collection and anticipated sampling parameters. The analytical methods to be used for each type of sample and sample matrix are identified on Table 1 in the RI/RAA Work Plan. In order to provide control over the collection, analysis, review, and interpretation of analytical laboratory data, the following QA/QC samples will be included as part of this project.

- During the groundwater monitoring for VOCs, one trip blank will be included per set of 20 liquid samples with a minimum of one trip blank per sample shipment. The trip blanks will be analyzed for target compound list (TCL) VOCs.
- One matrix spike/matrix spike duplicate (MS/MSD) for each sample matrix, for each sampling event of 20 samples, or per shipment if less than 20 samples, within a seven-day period. Specific parameters that MS/MSD samples will be tested for is dependent upon the test parameters of the field samples that are being analyzed.
- One field blank (i.e., rinsate sample) will be collected from reusable sampling equipment for each sampling event of 20 samples, or per shipment if less than 20 samples. The field blank(s) will be tested for the suite parameters of the samples obtained using the subject re-useable sampling equipment (i.e. split spoon samplers).

Data Usability Summary Report

Jodi R. Zimmerman (Vali-Data of Western NY) will complete a data usability summary report (DUSR) on the Category B deliverables analytical laboratory data that is generated as part of the scope of work in the RI/RAA work plan. The DUSR will be conducted in accordance with the provisions set forth in Appendix 2B of DER-10 Technical Guidance for Site Investigation and Remediation dated May 2010. The findings of the DUSR will be incorporated in the final RI/RAA report. A copy of Ms. Zimmerman's curriculum vitae is included in Attachment 2.

Reporting

Analytical and QC data will be included in the final RI/RAA report. The final report will summarize the environmental work and provide evaluation of the data that is generated, including the validity of the results in the context of QA/QC procedures.

7.0 RECORD KEEPING AND DATA MANAGEMENT

DAY will document project activities in a bound field book on a daily basis. Information that will be recorded in the field book will include:

- Dates and time work is performed;
- Details on work being performed;
- Details on field equipment being used;
- Field evidence of contamination such as staining, odors, degree of saturation, etc.
- Field meter measurements collected during monitoring activities;
- Sampling locations and depths measured in tenths of feet;
- Measurements of sample locations, and test locations, excavations, etc.;
- Personnel and equipment on-site;
- Weather conditions; and
- Other pertinent information as warranted.

In addition, the field notes will be converted into logs for each soil test boring and monitoring well completed as part of the RI.

Differential GPS, swing ties from existing surveyed site structures, and/or a licensed surveyor will be used to collect spatial data. The spatial data will be plotted using integrated GIS and/or computer-aided design (CAD) mapping. Electronic and hard copy files will be maintained by DAY.

As noted above, DAY will utilize its Trimble Geo-XH sub-foot accuracy GPS with ESRI ArcPad installed software with GIS shape files that have been developed for the Site.

8.0 ACRONYMS

ASP	Analytical Services Protocol
CAD	Computer-Aided Design
CAMP	Community Air Monitoring Plan
CLP	Contract Laboratory Protocol
DAY	Day Environmental, Inc.
DNAPL	Dense Non-Aqueous Phase Liquid
DUSR	Data Usability Summary Report
EDV	Environmental Data Validation, Inc.
ELAP	Environmental Laboratory Approval Program
GPS	Global Positioning System
HASP	Health and Safety Plan
IDW	Investigation-Derived Waste
LNAPL	Light Non-Aqueous Phase Liquid
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NAPL	Non-Aqueous Phase Liquid
NTU	Nephelometric Turbidity Units
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PID	Photoionization Detector
PPE	Personal Protective Equipment
PQL	Practical Quantitation Limit
PVC	Polyvinyl Chloride
QAP	Quality Assurance Plan
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RI/RAA	Remedial Investigation/Remedial Alternatives Analysis
RTAM	Real-Time Aerosol Monitor
SOP	Standard Operating Procedure
SOQ	Statement of Qualification
TCL	Target Compound List
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

TABLE

Table 1

Sampling Methods and Locations

Matrix	Sampling Location(s)	Depth	Analytical Group		No. of Samples (*identify field duplicates*)	Sampling SOP Reference	Rationale for Sampling Location
Surface Soil	SS-1 through SS-4	0-2 inches below vegetative cover	All	TPH, TAL Metals, Cyanide, TCL and CP-51 SVOCs & TICs, PCBs, Pesticides (1)	4 + 1 field duplicate + 1 MS/MSD + 1 rinsate blank	NYSDEC DER-10 Section 3.5.1(b) and DAY field sampling SOP.	Delineate surface soil characterization in relation to possible human health exposure
	SS-1 through SS-4	0-12 inches(2)	All	TPH, TAL Metals, Cyanide, TCL and CP-51 SVOCs & TICs, PCBs, Pesticides (1)	4 (field QA/QC for these samples will be part of the 0-2" surface soil QA/QC, see above)	NYSDEC DER-10 Section 3.5.1(b) and DAY field sampling SOP.	Delineate nature and extent of historic fill material.
	SS-5 and SS-6	0-12 inches	All	PCBs	2 (field QA/QC for these samples will be part of the 0-2" surface soil QA/QC, see above)	NYSDEC DER-10 Section 3.9 and DAY field sampling SOP.	Characterize PCBs in location of transformer
Subsurface Soil	TB-20 through TB-28	2-16 ft. (central and northern portion of Site), 2-25 ft. (southern portion of Site)	TB-20 through TB-28	VOCs	9 + 1 field duplicate + 1 MS/MSD + 1 rinsate blank(3)	NYSDEC DER-10 Section 3.5.1 (c) and DAY field sampling SOP.	Investigate known and potential AOCs, fill in data gaps
			TB-21, TB-24	SVOCs			
			TB-21, TB-23, TB-24	TAL Metals			
			TB-20 through TB-25	Cyanide			
			TB-21, TB-22, TB-24	Pesticides			
Overburden Groundwater/ Top-of-Rock Groundwater	MW-A through MW-G, MW-I through MW-N	6-16 ft. (central and northern portion of Site), 15-25 ft. (southern portion of Site)	MW-A through MW-G, MW-I through MW-N	VOCs	13 + 1 field duplicate + 1 MS/MSD + 1 rinsate blank(3)	NYSDEC DER-10 Section 3.7 and DAY field sampling SOP.	Fill in groundwater monitoring well network data gap, investigate known and potential AOCs, delineate potential vertical and horizontal migration of contamination.
			MW-A, MW-J, MW-K, MW-L	SVOCs and TAL Metals			
			MW-A, MW-C, MW-I through MW-N	Cyanide			
			MW-A, MW-E, MW-L	PFAS, 1,4-Dioxane		NYSDEC Groundwater Sampling for Emerging Contaminants, dated April 2018, and DAY field sampling SOP	
Bedrock Groundwater	BRMW-1 and BRMW-2	~20 ft. into bedrock	All	VOCs,	2 + 1 field duplicate + 1 MS/MSD + 1 rinsate blank	NYSDEC DER-10 Section 3.7 and DAY field sampling SOP.	Characterize bedrock groundwater nature and extent.
	BRMW-3	~20 ft. into bedrock	All	VOCs,	1 + 1 field duplicate + 1 MS/MSD + 1 rinsate blank	NYSDEC DER-10 Section 3.7 and DAY field sampling SOP.	Characterize bedrock groundwater nature and extent.
Bedrock Interface Groundwater	IRM Extraction Well EW-1	~5 ft. into bedrock	All	VOCs, Sewer Use Permit Requirements (VOCs, SVOCs, Metals)	1 + 1 field duplicate + 1 MS/MSD + 1 rinsate blank	NYSDEC DER-10 Section 3.7 and DAY field sampling SOP.	Characterize groundwater; characterize water based on sewer use permit requirements
Soil Vapor	VP-1 through VP-5	~8 ft. (central and northern portion of Site), ~24 ft. (southern portion of Site)	All	TO-15 VOCs	5 + 1 field duplicate + 1 background	NYSDOH Guidance Document and DAY field sampling SOP	Investigate soil vapor at Site perimeter
Ambient Air	BG-1	Ambient Air	All	TO-15 VOCs	1	NYSDOH Guidance Document and DAY field sampling SOP	Ambient air sample (i.e., outdoor air) collected during initial soil vapor assessment
Liquid in Crock	CS-1	~2 ft.	All	VOCs, TAL Metals, Cyanide	1	NYSDEC DER-10 Section 3.9 and DAY field sampling SOP.	Characterize liquid in crock in southern portion of building
Sediment in Crock (if present)	SED-1	~2 ft.	All	VOCs, SVOCs, TAL Metals, Cyanide	1	NYSDEC DER-10 Section 3.9 and DAY field sampling SOP.	Characterize sediment in crock in southern portion of building
Water	Investigative Derived Waste	NA	All	Sewer Use Permit Requirements (VOCs, SVOCs, Metals)	TBD	NA	Waste characterization; based on sewer use permit requirements
Soil	Investigative Derived Waste	NA	All	Disposal facility requirements	TBD	NA	Waste characterization; based on disposal facility requirements

VOCs = TCL & CP-51 List VOCs & TICs via USEPA Method 8260
SVOCs = TCL & CP-51 List SVOCs & TICs via USEPA Method 8270
TAL Metals = TAL Metals via USEPA Method 6010/7470/7471/200.7/245.1
TPH = Total Petroleum Hydrocarbons using Method SW846 8015
PFAS = Per- and polyfluorinated alkyl compounds via Modified USEPA Method 537
1,4-Dioxane = 1,4 Dioxane via USEPA Modified 8270 in SIM Mode

(1) Samples will be tested for VOCs if PID reading is greater than five times background PID reading or 5 ppm, whichever is greater

(2) If HFM observed at depth of 0 to 2 inches appears to be the same as HFM observed from 2 inches to 1 ft., one sample from the test boring collected from the 0 to 2 inches bgs interval will represent both the 0 to 2 inches bgs interval and the 0 to 1 ft. bgs interval. If more than one type of HFM is encountered, a second discrete sample will be collected and analyzed for some or all of the parameters, subject to NYSDEC approval.

(3) QA/QC will be performed for all analytical groups

ATTACHMENT 1

Resumes of Key Personnel

DAVID D. DAY, P.E.

EXPERIENCE

Day Engineering, P.C./Day Environmental, Inc.: 1985 to present
Years with Other Companies: 10 years

AREAS OF SPECIALIZATION

-Environmental Due Diligence for Mergers or Acquisitions
-Environmental Restoration/Remediation
-Environmental Site Assessment
-Environmental Compliance

EDUCATION

University of Michigan, M.S. Environmental Engineering, 1975
Michigan State University, B.S. Civil/Sanitary Engineering, 1974

REGISTRATION/AFFILIATIONS

Licensed Professional Engineer in New York
40-Hour OSHA Hazardous Waste Site Worker Training
8-Hour OSHA Hazardous Waste Site Supervisor Training
8-Hour OSHA Hazardous Waste Site Worker Refresher Training

Water Environment Federation
Rochester Engineering Society, Inc.
National Society of Professional Engineers

RESPONSIBILITIES AND PROJECT EXPERIENCE

President of Day Engineering, P.C. and Day Environmental, Inc. (DAY). As a founder and principal of these firms, Mr. Day is responsible for their overall management and operation. He also provides technical guidance and support to the Industrial Compliance Group, Phase I Assessment Group, and the Phase II/Remediation Group. In addition, he periodically serves as Project Manager on some of the firm's larger or more complicated projects.

Mr. Day has over 40 years of experience working on environmental projects for industry or as a consultant. Examples of the types of environmental projects that he has worked on are described below.

Due Diligence for Mergers or Acquisitions, Primarily in New York State. Principal for a variety of projects associated with the merger or acquisition of manufacturing and/or industrial operations. These projects involved representing the buyers of the operations, as well as working with the buyer's lenders and environmental legal counsel. The work entailed such things as obtaining and generating environmental information and data, evaluating the information and data, developing opinion-of-probable costs for addressing environmental issues, assessing environmental risks in relation to the client's merger or acquisition, and working with the environmental legal counsel to develop environmental risk management programs (e.g., indemnifications, escrow accounts, environmental liability insurance, deal structure, etc.).

Environmental Management Services for the Operation of Commuter Rail Facilities, Maryland and Florida. Principal for projects to assist an operator of major transportation systems in establishing environmental programs at commuter railway facilities in Maryland and Florida. The work includes such things as establishing compliance and permitting needs; developing the plans and programs needed for compliance; preparing the needed permits for submission to appropriate regulatory authorities; developing an Environmental Services Work Plan (Work Plan); and assisting the operator in implementing the Work Plan.

Environmental Services for Scrap Yard Operations, New York State. Principal of projects to assist scrap yard operations in complying with applicable state and Federal regulations. DAY has worked with a variety of scrap yard operations over a 20+ year period. The work has entailed such things as investigation and remediation of spills of petroleum/gasoline products and PCBs; preparing environmental plans and programs for the scrap facilities (e.g., SPCC Plans, Best Management Plans, etc.); assisting in stormwater and wastewater discharge issues (e.g., meeting SPDES permit or Multi-Sector General Permit requirements); assisting with the characterization and disposal of waste materials (e.g., auto fluff and contaminated soil); and, compliance audits.

Brownfield Assistance Program, City of Rochester. Principal for a project to assist the City of Rochester (City) in implementing its EPA funded Brownfield Assistance Program (BAP). The project has involved working with the City's Department of Environmental Services and Department of Economic Development to evaluate potential sites as candidates for the BAP program. DAY has conducted and/or prepared Phase I Environmental Site Assessments, Phase I confirmational intrusive studies, environmental management plans, and health and safety plans for this project at under-utilized sites within the City. This work has led to the redevelopment of BAP sites into active, tax-producing sites.

Investigation/Remediation of Former Department of Defense Site, Rochester, NY. Principal for a project to conduct investigation/remediation at a site that was formerly used by the Department of Defense (DOD) for the production of ocean-going ships, and missiles. DAY negotiated with the New York State Department of Environmental Conservation (NYSDEC) to conduct this work under a Voluntary Clean-Up Agreement. Soil, groundwater, and wetlands in the vicinity of the site are contaminated with a variety of contaminants including volatile organic compounds, metals, and PCBs. The work included investigation and delineation of contamination, and the design and implementation of interim remedial measures.

Remediation at a Former Printed Circuit Board Facility, Rochester, NY. Principal for a project to conduct remedial activities at a NYSDEC listed inactive hazardous waste disposal site. The remediation is being conducted under the Brownfield Cleanup Program (BCP). DAY completed a Remedial Investigation/Feasibility Study (RI/FS), and a remedial alternative was proposed for the site. The NYSDEC approved the proposed remedial alternative, and remedial activities are currently being implemented. After remedial activities are completed, operation of a groundwater remedial system and on-going monitoring will continue for 20+ years.

Phase I/Phase II/Remediation Services, City of Rochester, NY. Principal for a contract to conduct Phase I, Phase II, and remediation services for the City of Rochester on an as-needed basis. These services have been provided on a variety of different types of sites within the City.

Slag and Fill Management Project, Greece and Rochester, NY. Principal for a project to coordinate and oversee the removal of 25,000+ yards of slag-contaminated fill material from a residential site in Greece, NY. The fill material was contaminated with slag that came from a site that was being redeveloped in the City of Rochester. The contaminated fill material was removed from the residential site to a site within the City, where the fill material was screened, and the separated slag was transported to a solid waste facility for disposal. DAY worked closely with City officials, the NYSDEC, contractors, the public, and other regulatory authorities on this project.

Compliance Audits at Various Industrial Facilities in New York. Project Manager/Principal for compliance audits conducted at industrial facilities. The compliance audits encompassed the following types of environmental issues: air pollution, water pollution, hazardous and solid waste management, tank management, and petroleum handling and storage. The compliance audits have been conducted at a variety of different types of facilities including: plating facilities, auto

dealerships, heat treating facilities, packaging/printing facilities, power generating facilities, tool and die operations, and other types of manufacturing operations.

Phase I Assessments Throughout New York State. Principal to review 2,000+ environmental assessments conducted for the purpose of real estate transactions. These assessments were conducted on a variety of different types of facilities, including industrial sites, manufacturing operations, and former railroad properties.

Electric Utility SPCC Plan Implementation, Western, New York. Project Manager/Principal and certifying professional engineer for a Spill Prevention Control and Countermeasures (SPCC) Plan covering 162 electrical substations located throughout western New York. The project involved identifying potential spill pathways at each of the substations, and ranking the potential for a spill to impact navigable water (i.e., low, medium or high risk). When needed, recommendations were also developed to reduce the risk of navigable water impact. The approach utilized on this project was very cost effective and resulted in the certification of one SPCC plan for 162 electrical substations.

Hazardous Waste and Hazardous Material Compliance Audit at a Major Railroad Yard Facility. Project Manager/Principal for conducting a compliance audit at a Railroad Yard facility to assess hazardous waste and hazardous material handling and storage. The audit report outlined recommendations for improving the handling and storage of hazardous materials and wastes.

RCRA Training For a Major Railroad Operation in New York and Connecticut. For several years, provided training to over 400 railroad personnel on handling and storage of hazardous waste as required by the Resource, Conservation, and Recovery Act (RCRA).

Hazardous Waste Tank Certification Project at Large Industrial Facility, Rochester, NY. Project Manager/Principal responsible for developing tank certification reports for 50 hazardous waste storage tanks as required by the New York State hazardous waste regulations.

Remedial Investigation on a New York State Inactive Hazardous Waste Site, Clarendon, NY. Project Manager/Principal for a $300,000 remedial investigation at a site where groundwater was contaminated by volatile organic compounds. Worked with client's attorney to secure funding of this project by insurance companies. The project was completed as required by the New York State Department of Environmental Conservation (NYSDEC) Order-on-Consent.

Drain Study at a Major Manufacturing Facility, New York. Project Manager/Principal for conducting a $200,000+ investigation to determine the discharge location (i.e., sanitary sewer, storm sewer, drywells, subsurface, etc.) of the various operations (i.e., processes, floor drains, hub drains, roof drains, sumps, scrubber drains, sinks, etc.) at a 5 million square foot manufacturing facility that contained over 40 buildings. A database was established to identify and track the discharge sources and locations to ensure compliance with local, State, and federal regulations.

Remediation at a Scrap Yard, Olean, NY. Project Manager/Principal for investigation and remediation of several hundred drums and containers that were abandoned at a scrap yard. The drums and containers contained a variety of types of hazardous wastes. The investigation and clean-up was conducted and completed under an USEPA Order-On-Consent.

RAYMOND L. KAMPFF

EXPERIENCE

Day Environmental, Inc.: May 1994 to present
Years with Other Firms: 18 years

AREAS OF SPECIALIZATION

- Environmental Site Assessment
- Environmental Restoration
- Geology

EDUCATION

University of Rochester, B. A. Geology 1974
Monroe Community College, Civil Engineering Technology 1976
Various continuing education courses/seminars in environmental regulations, remediation techniques and other technical issues

REGISTRATION/AFFILIATIONS

- 40-Hour OSHA Hazardous Waste Site Worker Training
- 8-Hour OSHA Hazardous Waste Site Supervisor Training
- 8 Hour OSHA Hazardous Waste Site Worker Refresher Training

RESPONSIBILITIES AND PROJECT EXPERIENCE

Mr. Kampff has over 39 years of professional experience and is currently responsible for the overall technical and administrative direction of DAY's Site Evaluation/Environmental Restoration Group. Mr. Kampff's experience includes environmental studies and remediation at inactive hazardous waste sites, industrial facilities, petroleum spill sites, Brownfield sites and municipal properties. Some of his representative projects are described below.

Environmental Site Assessment

Environmental Site Assessment for a Manufacturing Facility: Olean, New York. Responsible for a Phase I Environmental Site Assessment (ESA) and a Limited Phase II ESA for this 14-acre site currently developed with a 280,000 square foot industrial facility. The site was originally developed in the 1890s, and historically it has been used for various purposes including the manufacture of chemicals, metal furniture and industrial coatings. These studies were done to characterize the site in sufficient detail to prepare an application to enter the New York State Brownfield Cleanup Program (BCP).

Site Evaluation and Assessment of PCB Impact: Innis-Arden Golf Course. Reviewed documents and evaluated analytical laboratory data presented as part of a claim that discharges from a nearby railroad line operated by Metro-North Railroad (MNR) caused PCB-impact identified within ponds and streams on the golf course. The evaluation completed determined that nearby industrial facilities, and not MNR, were the responsible for the PCB contamination on the golf course.

Environmental Evaluation, Precast Concrete Facility, Manchester, New York. Responsible for the environmental evaluation of this 105-acre former railroad yard that was re-developed with an approximate 70,500 square foot structure in the late 1980s for use as a pre-cast concrete manufacturing facility. The site assessment studies conducted included testing of soil, groundwater and soil vapors to evaluate areas of potential environmental concern pursuant to the sale of the property. These studies included the delineation of an area of

the site impacted with petroleum that resulted in the New York State Department of Environmental Conservation (NYSDEC) opening a spill file, and another area on the site where groundwater impacted with chlorinated solvents was identified.

Petroleum Spills

Petroleum Spill Remediation and Closure: Metro-North Railroad's Brewster Yard, North White Plains Yard and Harmon Yard in New York. Assisted MNR with the assessment and remediation of various petroleum spills at these railroad yards where petroleum impact from historic operations resulted in the accumulation of several feet of free product in some locations. The work included the design and construction of a combination of active and passive removal systems, design and operation of long-term monitoring networks to document the effectiveness of remedial efforts and, the preparation of status reports for submittal to the NYSDEC to document remedial efforts pursuant to spill closure.

Seneca-Cayuga ARC Spill Remediation: Waterloo, New York. Responsible for site characterization studies to assess the nature and extent of historic petroleum releases resulting from leaking tanks and discharges into septic systems. Subsequently, designed and implemented a remedial action plan to address petroleum impacts and to mitigate vapors in an adjacent building under construction. The remedial activities included the removal of underground storage tanks and petroleum-impacted soil/groundwater, the installation of a sub-slab depressurization system, and the preparation of a Site Management Plan (SMP) to address future impacts (if encountered).

Remedial Action Plan Development and Implementation: Mott Haven Yard, Bronx, New York. Completed site characterization studies to define the nature and extent of petroleum spills resulting from a combination of leaking tanks and discharges from railroad equipment. Based on the findings of the characterization studies, a removal of soil impacted with free product was conducted in accessible areas and systems were designed and implemented to preclude future discharges (e.g., installation of state-of the art fueling system, development of SPCC plans, construction of secondary containment systems). Subsequently, a Remedial Action Plan (RAP) describing methods to be implemented to collect residual free product from the groundwater was prepared for submittal to the NYSDEC.

York Oil Superfund Site RI/FS: Moira, New York. Managed several studies to evaluate on-site contamination and off-site pathways at this former waste oil recycling facility where large quantities of PCB and solvent-laden oils spilled onto the ground and migrated into adjacent wetlands.

Brownfield and RI/FS Projects

Interim Remedial Measure (IRM) Construction, Confidential Industrial Client: Akron, New York. Responsible for construction oversight during the implementation of IRM activities at an approximate 3-acre former waste disposal area used to dispose of hazardous and industrial wastes. Work included construction oversight during waste consolidation and capping activities, coordination with the NYSDEC, implementation of design modifications and preparation of various closure reports. Also, responsible for long term monitoring and the preparation of Periodic Review Reports.

Dry Cleaners: Jamestown, New York: Responsible for studies completed to evaluate the extent of chlorinated solvents in the soil and groundwater at this dry cleaning facility that has operated for the past 50 years. Also developed and implemented remediation system to actively remove more than 200 gallons of Dense Non-Aqueous Liquid (DNAPL), the design and construction of a permeable reactive barrier to preclude off-site migration, and the implementation of in-situ bioremediation to address residual impacts.

Harmon Railroad Yard Former Wastewater Lagoon: Croton-on-Hudson, New York. Responsible for the preparation of the Site Management Plan (SMP), long-term monitoring, preparation of status and Periodic Review Report reports, and implementation of corrective actions for Operation Units OU-I and OU II at this NYSDEC Inactive Hazardous Waste Site.

Manufacturing Facility: Rochester, New York. Responsible for the Remedial Investigation conducted at this facility where groundwater is impacted with elevated concentration of chlorinated solvents and heavy metals. Work includes studies designed to assess the nature and extent of impact with the soil, groundwater and soil vapor (including sub-slab studies within on-site structures and assessment of potential off-site impacts). Studies also included the design and implementation of pilot studies to evaluate bioaugmentation and phytoremediation as potential long-term remedial options.

Environmental Restoration Projects

Remediation of Petroleum Contaminated Soils, DePaul Community Facilities: Rochester, New York. Responsible for the design and construction of a combined active and passive soil vapor extraction system at this facility constructed on the site of a former gasoline station.

Track Platform Assessment and Encapsulation, Grand Central Terminal: New York, New York. Project Manager for a testing program designed to define the extent of PCB contamination and develop a comprehensive remedial program consisting of the initial cleaning of the impacted track area following by a double epoxy coating was required for this site. Due to the location of the site, care was taken to limit potential exposure to the public during remedial activities

Former Dry Cleaners: Canandaigua, New York. Responsible for site characterization studies to define subsurface conditions and the nature and extent of chlorinated solvent impact (tetrachloroethene and breakdown products), implementation of a soil removal interim remedial measure (IRM), installation of a sub-slab vapor mitigation system and implementation of biostimulation to address residual contamination.

Former Gasoline Station: Hornell, New York. Responsible for the completion of site investigations and the development and implementation of remedial options including source removal with the subsequent installation of an air sparging system augmented the injection of microbes designed to expedite the remediation process.

HEATHER MCLENNAN

EXPERIENCE

Day Environmental Inc.: April 2015 to present
Years with Other Firms: 5 years

AREAS OF SPECIALIZATION

- Environmental Site Assessment
- Environmental Restoration / Remediation

EDUCATION

Seneca College; Graduate Certificate Program, Environment and Site Investigation, 2010
University of Guelph; Bachelor of Science, Honors Chemistry Degree, 2003
Seneca College; Chemical Technology Diploma Program, 1999

REGISTRATIONS/AFFILIATIONS

40-Hour OSHA Hazardous Waste Site Worker Training
Certified Hazardous Materials Manager

RESPONSIBILITIES AND PROJECT EXPERIENCE

Ms. McLennan has eight years of professional experience working on environmental projects as a consultant. Ms. McLennan has also performed Phase I and Phase II Environmental Site Assessments, prepared scopes of works, proposals, managed projects and supervised remediation projects while working on projects as a consultant with other firms.

Site Remediation, Toronto, Ontario: Supervised multi-property remediation:
Property 1: Supervised the completion of six-month remedial program including excavation and sampling for the purpose of property transaction compliant with requirements of Ontario Ministry of the Environment and Climate Change Record of Site Condition.
Property 2: Designed and supervised test-pitting and borehole program to sample and characterize stockpiled soils and impacted soil on-site to allow placement of soil consistent with property specific standards during grading activities
Property 3: Completed updated reports for filing and completing Risk Assessment and Record of Site Condition with Ontario Ministry of the Environment and Climate Change following soil and groundwater assessment.

Toronto, Ontario: Supervised the installation of a remedial treatment system including injection wells and injection gallery in 15' trench, for the purpose of remediating chlorinated volatile organic compound plume in groundwater.

Toronto, Ontario: Supervised completion of three-week in-situ chemical reduction program including fracturing of subsurface using nitrogen injections followed by zero-valent iron injections for the purpose of remediating chlorinated volatile organic compound plume in soil and groundwater

Phase I Assessments, Ontario: Conducted Phase I Environmental Site Assessments for the purpose of real estate transactions and financing. These assessments were conducted on a variety of different types of facilities including agricultural, residential, commercial, and industrial properties.

Phase II Assessments, Ontario: Conducted Phase II Environmental Site Assessments for the purpose of contaminant identification and categorization. These assessments were conducted on a variety of different types of facilities including residential, commercial and industrial properties.

Site Remediation, Ontario: Supervised in-situ chemical oxidation at various sites in order to remediate impacts in soil and groundwater, supervised various underground storage tank removal programs and remedial excavations**.**

SEAN R. REESE

EXPERIENCE

Day Environmental, Inc.: 2016 to present
Years with Other Firms: 1+ year

AREAS OF SPECIALIZATION

- Environmental, Health & Safety Compliance
- Environmental Investigation & Remediation Services

EDUCATION

Saint Francis University – Loretto, PA; B.S. Environmental Engineering; 2015

REGISTRATION/AFFILIATIONS

40 Hour OSHA Hazardous Waste Site Worker Training

RESPONSIBILITIES

Mr. Reese's current responsibilities include completing environmental, health, and safety industrial compliance projects and training programs, and investigation and remediation projects for private entities and government agencies. Specifically, Mr. Reese assists in environmental, health and safety assessments; compliance projects; developing and modifying facility air permits; Spill Prevention Control and Countermeasure (SPCC) Plans; Storm Water Permits; Storm Water Pollution Prevention Plans (SWPPPs) and Management Plans (SWMPs); NYS Petroleum Bulk Storage (PBS) and NYS Chemical Bulk Storage (CBS) projects; Spill Prevention Reports (SPRs); and SARA Title III Tier 1 and Tier 2 reports. In addition, Mr. Reese assists in environmental investigation field activities and associated field documentation, report preparation, design calculations, data management, remedial alternative evaluation and selection, and project communication.

PROJECT EXPERIENCE

LENNON, SMITH, SOULERET ENGINEERING, INC.
Pittsburgh, PA
Temporary Resident Project Representative
June 2015 – December 2015

- Provided construction site services to ensure storm and sanitary sewer installation and roadway construction were completed according to plans;
- Effectively interacted with contractors, superintendents, foreman, and laborers;
- Provided project scoping and cost estimation.

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
Easton, PA
Engineering, Scientific and Technical Intern
Summers 2010, 2011, 2012

- Provided bridge and roadway construction site services to ensure that operations were executed according to plans;
- Identified construction problems and aided in the development of solutions;
- Interacted and effectively communicated with contractors, inspectors, foremen, and engineers in the field;
- Read and interpreted construction and state roadway plans and documents;
- Kept records of day to day environmental impact according to permits and plans;
- Identified problems with state roads, guide rails and drainage throughout Lehigh County.

NATHAN E. SIMON, P.E.

EXPERIENCE

Day Environmental, Inc.: June, 2005 to present

AREAS OF SPECIALIZATION

- Environmental Site Assessment
- Environmental Restoration/Remediation
- Environmental Computer Modeling

EDUCATION

University at Buffalo, B. S. Civil Engineering, 2003
University at Buffalo, M. Eng. Environmental and Hydrosystems, 2005

REGISTRATION/AFFILIATIONS

Registered Professional Engineer in State of New York
40 Hour OSHA Hazardous Waste Site Worker Training
Various continuing education courses/seminars in environmental studies and remediation

RESPONSIBILITIES AND PROJECT EXPERIENCE

Mr. Simon has over 10 years of professional experience working on environmental projects as a consultant. Mr. Simon is responsible for taking a leadership role in completing investigation and remediation projects for private and government agencies. Mr. Simon's experience includes development of work plans in accordance with applicable regulations; corresponding with regulatory agencies and clients; completion of Phase II studies; environmental restoration; and, Brownfield and remediation projects. Specifically, Mr. Simon's responsibility has included environmental investigation field activities and associated field documentation, report preparation, engineering design calculations, data management, remedial alternative evaluation and selection, and project communication. Some of his representative projects are described below.

Dry Cleaners: Jamestown, New York. Responsible for field studies to evaluate the extent of chlorinated solvent contamination in the soil and groundwater from a dry cleaning facility that has operated for the past 50 years. In addition to writing sections of the remedial investigation report, work on this project included: compiling laboratory data from a sampling event and comparing the results to TAGM 4046 (*Determination of Soil Cleanup Objectives and Cleanup Levels*) and TOGS 1.1.1 (*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*) to determine the extent of contamination, developing a conceptual model, evaluating hydraulic conductivity testing data using the SuperSlug^{R} computer modeling program, completing calculations to estimate contaminant flow rates through the overburden and bedrock based on contaminant specific retardation factors and site specific aquifer characteristics, and designed a Zero-Valent Iron Permeable Reactive Barrier to address potential off-site contaminant migration. The project is on-going and currently in the process of designing/conducting a pilot study for in-situ bioremediation.

Former Hazardous Waste Disposal Site: Rochester, New York. Completed hydrogeologic studies to determine the site specific relationship between pumping rate and radius of influence of several bedrock interface extraction wells. Designed an extraction well field to capture the delineated impacted area presented in the Site's Record of Decision (ROD). Determined extraction well specifications and locations using the step drawdown test results, aquifer characteristics and historical site data. Provided significant contributions to the Site's groundwater extraction and treatment remedial design plan. Oversaw the installation of additional bedrock interface wells to verify work

was completed in accordance with the approved NYSDEC remedial design plan. Assisted in the installation, startup and routine maintenance, inspection and testing of a 5-gpm pump-and-treat groundwater remediation system designed to remove volatile organic compounds and chromium. Developed a Health and Safety Plan, Community Air Monitoring Plan and a Quality Assurance and Quality Control program to ensure worker and community safety during remedial system installation and that suitable and verifiable data was obtained throughout the remediation efforts. In addition, Mr. Simon developed a work plan to evaluate indoor air quality in accordance with the NYSDOH document titled "*Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*". Conducted a chemical survey and collected confirmatory indoor air samples in accordance with the NYSDOH and NYSDEC approved work plan and presented the results to the client and regulatory agencies.

Brownfield Site, Andrews Street and Evans Street, Rochester, New York. On behalf of the City of Rochester, New York, Mr. Simon is the project's certifying professional engineer for this Site in which past operations included a bus terminal, a bus maintenance garage, and a dry cleaning maintenance and supply company. Mr. Simon has provided environmental services at this Brownfield Site, a portion of which are were performed under the NYSDEC Environmental Restoration Program (Site ID#E828144) including: 1) development and implementation of a Demolition-Phase Environmental Work Plan; 2) development and implementation of a Remedial Investigation/Remedial Alternatives Analysis (RI/RAA) Work Plan, including a Quality Assurance Project Plan (QAPP), and Health and Safety Plan (HASP); and, 3) development and implementation of an Interim Remedial Measure (IRM) addressing grossly-contaminated media in the unsaturated zone. A supplementary IRM Work Plan is proposed to address the overburden groundwater using chemical oxidation. During the various project phases media samples (e.g., groundwater, soil, concrete, etc.) were collected and tested to evaluate disposal/re-use options. In addition, a Membrane Interface Probe/hydraulic profiling tool (MiHPT) was used to collect continuous XSD concentrations (representing halogenated volatile organic compound response), photoionization response and geological data (electrical conductivity, hydraulic profiling tool (HPT) pressure, HPT flow, etc.), to assist in characterizing environmental conditions at the Site prior to, and following, the unsaturated source area excavation. Geographic Information System (GIS) was used to visual and model the XSD data which was incorporated into the Conceptual Site Model used to develop the supplementary chemical oxidation IRM. Remedial alternatives were developed and prepared assuming the Site will be redeveloped for restricted commercial and/or restricted residential purposes.

Underground Storage Tank Closures: Various Clients throughout New York State. Decommissioned numerous Underground Storage Tanks (USTs) throughout New York State in accordance with the New York State Department of Environmental Conservation (NYSDEC) document titled "*Spill Prevention Operations Technology Series, Memo 14 (SPOTS 14)*" and the NYSDEC document titled "*Spill Technology and Remediation Series (STARS) Memo #1 (Petroleum Contaminated Soil Guidance Policy).* The work completed generally included developing and submitting a work plan to the NYSDEC, collection of confirmatory samples, documenting closure, compiling/tracking disposal documentation, evaluating analytical laboratory data and discussing the results with client and regulatory agencies.

Phase II Environmental Site Assessments: Various Clients throughout New York State. Completed numerous Phase II Environmental Site Assessments throughout New York State in accordance with requirements of the

American Society for Testing and Materials (ASTM) Practice E 1903-97 (*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*) and the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) draft Document DER-10 (*Technical Guidance for Site Investigation and Remediation*). The Phase II projects were completed at various sites including former gasoline stations, metal recycling facilities, commercial facilities, marinas, lumber yards, dry cleaners, former manufactured gas plants and former agricultural sites. Work generally included developing soil and groundwater sampling programs, evaluating and comparing data to applicable regulatory standards, and discussing the results with clients and regulatory agencies.

Indoor Air Evaluations: Various Clients throughout New York State. Completed numerous indoor air, sub-slab vapor, and soil gas evaluations throughout New York State in accordance with the requirements of the New York State Department of Health (NYSDOH) document titled "*Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*". The air evaluations were conducted at various sites including manufacturing facilities, commercial facilities, light industrial facilities, former manufactured gas plants, former auto repair facilities, grocery stores and schools. Work generally included developing air sampling programs, conducting an owner interview and chemical survey, evaluating data and discussing the findings with clients and regulatory agencies. In addition, sites in which remediation of indoor was completed, work generally included developing and submitting a work plan to the New York State Department of Environmental Conservation (NYSDEC) and NYSDOH, conducting post-mitigation sampling (confirmatory testing) and post extension testing, and preparing and submitting summary reports to the regulatory agencies.

Subsurface and Indoor Air Evaluation – Commuter Railroad. Developed a test boring and monitoring well program, prior to the client purchasing the Manufactured Gas Plant (MGP) impacted Site, to evaluate the Recognized Environmental Conditions (RECs) identified in a modified Phase I Environmental Site Assessment in conjunction with historical site data and information collected during an EM-61 Geophysical survey. Conducted a supplementary subsurface investigation to delineate MGP-type waste in accordance with DER-10 (*Technical Guidance for Site Investigation and Remediation*), TAGM 4061 (*Management of Coal Tar Waste and Coal Tar Contaminated Soils and Sediments from Former Manufactured Gas Plants*), and the American Society for Testing and Materials (ASTM) Practice E 1903-97 (*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*). Compared analytical laboratory data collected during the Subsurface Study to New York State Department of Environmental Conservation (NYSDEC) TAGM 4046 (*Determination of Soil Cleanup Objectives and Cleanup Levels*) and TOGS 1.1.1 (*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*) soil and groundwater standards respectively. Conducted drain dye testing to determine discharge location of various drains within the on-site building. Estimated vertical and horizontal extent of MGP-type waste in the subsurface. Developed an opinion of probable cost to remediate the delineated volume of MGP-type waste. Performed an indoor air and sub-slab air evaluation in accordance with New York State Department of Health (NYSDOH) document titled: "*Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*". Oversaw the completion of an air communication test to aid in the design of a sub-slab depressurization (SSD) vapor mitigation system. Oversaw the installation of a SSD vapor mitigation system to verify installation was completed in accordance with design specifications. Conducted post SSD confirmatory indoor air testing to evaluate the effectiveness of the SSD system. Submitted a Final Engineering Report documenting the SSD system installation and confirmatory testing results to the NYSDEC and NYSDOH.

Metro North Railroads. Responsible for data management of daily, monthly and quarterly non-aqueous phase liquid (NAPL) measurements. These measurements are used to calculate NAPL recovery quantities that are reported on a quarterly or annually basis.

ATTACHMENT 2

Resume of Jodi R. Zimmerman of
Vali-Data of Western NY

Jodi R. Zimmerman
1514 Davis Rd.
West Falls, NY 14170
(716) 655-6530

EDUCATION:

B.S. Chemistry, William Smith College, Geneva, NY
Graduated June 1990
Chemistry GPA 3.41, Overall GPA 2.94
Research Topic: 'Kinetics and Mechanism of Electrophilic Substitution Reactions Involving Fe, Co, Ni, Cu and Zn Ions in Meso-tetraphenylporphyrins.'

PhD Candidate in Chemistry, Pennsylvania State University,
University Park, PS
June 1990 – August 1991
Bioinorganic Chemistry
Research Topic: Energy Transfer of Europium Chelates Using Lanthanide Luminescence

PROFESSIONAL EXPERIENCE:

Owner/Data Validator – Vali-Data of WNY, LLC, West Falls, NY (February 2008 to present)

Formed a Limited Liability Corporation and became a Woman-Owned Business in September 2009.

Responsibilities include the assessment of project data, determination of its usability and documentation of the findings in accordance with project requirements. Have completed several projects for consulting firms and/or laboratories requiring the preparation of Data Usability Summary Reports (DUSRs) for NYSDEC projects. Analytical suites validated have included, but are not limited to, TCL Volatile Organics, TCL Semi-Volatile Organics, Pesticides/PCBs, TAL Metals, Wet Chemistry for soil and water samples, and TO-15 and TO-17 Volatile Organics analysis for soil gas/vapor intrusion samples.

Analytical Chemist – Elf Atochem North America, Inc., King of Prussia, PA (1992 to 1994).

Responsibilities included chemical analysis of process samples via NMR Spectroscopy and the formulation of analytical methodologies. Performed analyses, and provided QA/QC of process intermediates and products to manufacturing and research facilities.

GC Analyst/Laboratory Technician – Centre Analytical Laboratories, Start College, PA (1991 to 1992)

Analytical chemist performing analyses of environmental samples.

HONORS:

Honors in Chemistry

Bioinorganic chemistry research conducted from June 1988 – June 1990. Requirements included: one year of research, written and oral examinations and a written thesis.

Appendix F

Rationale for the Selection of the Proposed Sample Locations

Rationale for the Selection of the Proposed Sample Locations

Sample Location	Rationale
SS-1 and SS-2	Surface soil samples collected from landscape/lawn areas and portions of the Site not covered with buildings or pavement in order to assess human exposure to soils (0-2") Surface soil samples collected from portions of the Site not covered with buildings or pavement in order to assess and delineate historic fill material (0-1')
SS-3 and SS-4	Surface soil samples collected from landscape/lawn areas and portions of the Site not covered with buildings or pavement in order to assess human exposure to soils (0-2") Surface soil samples collected from portions of the Site not covered with buildings or pavement in order to assess and delineate historic fill material (0-1') Surface soil samples collected from area of transformer
SS-5 and SS-6	Surface soil samples collected from area of transformer
TB-20/MW-I	Reported former location of TCE AST, possible delineation of CVOCs
TB-21/MW-J	Possible fill location, address data gap
TB-22/MW-K	Delineation of CVOCs
TB-23/MW-L	Downgradient Site boundary assessment of soil and groundwater conditions
TB-24/MW-M	Delineation of CVOCs
TB-25/MW-N	Delineation of CVOCs; in proximity of the current TCE degreaser
TB-26, TB-27, and TB-28,	Delineation of CVOCs
VP-1, VP-2, VP-3, VP-4, and VP-5	Vapor probes to assess soil vapor at Site boundaries. VP-2 and VP-4 will be located in interior location; however, these are planned vapor probes, not sub-slab vapor locations. Note: VP-1 was installed in February 2018, but not yet sampled. This location is intended to assess soil vapor possibly migrating from off-site (i.e., Staub), and to assess background conditions
BG-1	Background air sample to assess ambient air during initial soil vapor assessment
BRMW-1	Upgradient bedrock well, assess CVOCs possibly migrating from off-site (i.e., Staub), and to assess background conditions
BRMW-2	Downgradient bedrock well, assess CVOCs at Site perimeter
BRMW-3	Source area bedrock well, assess CVOCs proximate to source area
CS-1	Liquid (e.g., water) sample from crock in southern portion of building
SED-1	Sediment sample from crock in southern portion of building, if sediment is present

Notes:

- Vapor probes will be installed to approximately one foot above static groundwater level, if possible
- Proposed test locations shown are based on anticipated drill rig accessibility

Appendix G

Draft Phase I Environmental Site Assessment Report

DRAFT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

ROCHESTER STEEL TREATING WORKS
962, 966 and 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK

Prepared for: Rochester Steel Treating Works Incorporated
962 East Main Street
Rochester, New York 14605

Prepared by: Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

Date: June 13, 2016

Project #: 5248E-16

DRAFT

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FIGURES

APPENDICES

1.0 SUMMARY

The following summary should be reviewed in conjunction with the entire report, including all attachments, figures and appendices.

PREPARED FOR: Rochester Steel Treating Works Incorporated
962 East Main Street
Rochester, New York 14605

CLIENT CONTACT: Mr. Brian Miller, COO / (585) 546-3348

ASSESSED PROPERTY INFORMATION

ADDRESS: 962, 966 and 972-974 East Main Street

MUNICIPALITY: City of Rochester

COUNTY/STATE: Monroe County, New York

TAX ACCOUNT #: 106.75-1-6.001, 106.75-1-7.001, and 106.75-1-8.001

PARCEL SIZE: Approximately 0.31 acres, approximately 0.08 acres, and approximately 0.24 acres, respectively (i.e., approximately 0.63 acres total)

IMPROVEMENTS: An approximate 15,000-square foot, one and two-story building. Concrete block and wood construction. Date of construction: 1930s with additions in 1976 and 1988.

CURRENT USE: The building is currently occupied by Rochester Steel Treating Works and is used to treat/finish steel components.

CURRENT OWNER: E.F. Miller CP&G (Per Brian Miller of Rochester Steel Treating Works Inc.)

PAST USE: Apparent residential from at least 1875 to at least 1931; coal yard in at least 1888; W.G. Bell Planing Mill from at least 1911 to at least 1923; various stores, restaurants, saloons and barbers from at least 1911 through the 1960s, 1970s and early 1980s; auto repair facility from at least 1926 to 1946; an auto painter in at least 1936; a beauty shop from at least 1936 to at least 1941; a printer and an insecticide company in at least 1946; a machine shop in at least 1950; a sign company in at least 1966; and Rochester Steel Treating Works from at least 1956 to present

SITE CONTACT: Ms. Jennifer Morey, Rochester Steel Treating Works
(585) 546-3348 ext. 203

SUMMARY OF RECOGNIZED ENVIRONMENTAL CONDITIONS / NON-SCOPE CONSIDERATIONS

Refer to Sections 9.0 and 10.0 for a discussion of opinions/findings and conclusions.

RECOGNIZED ENVIRONMENTAL CONDITIONS: (X) Recognized Environmental Condition(s) Identified

NON-SCOPE CONSIDERATIONS: (X) Non-Scope Consideration Issue(s) Not Evaluated

2.0 INTRODUCTION

2.1 PURPOSE

The purpose of this Phase I Environmental Site Assessment (Phase I ESA) is to conduct all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice to identify recognized environmental conditions[1] in relation to the assessed property; and to permit the user to satisfy *one* of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. (These limitations to CERCLA liability are known as landowner liability protections or "LLPs".) Consultation with environmental counsel may be prudent to evaluate the applicability of LLPs to the User specified in this report. For the purpose of this assessment, the "User" of this Phase I ESA is defined as Rochester Steel Treating Works Incorporated (Client). It is DAY's understanding that the Client is considering the possible sale of the assessed property.

The Phase I ESA does not address whether requirements in addition to all appropriate inquiry (continuing obligations, etc.) have been met in order to qualify for the LLPs. (For example, the Phase I ESA does not address whether the user has fulfilled its duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting obligations, etc.) Additionally, this Phase I ESA does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs.

Also, there are risks associated with the environmental condition of a property which are not a potential CERCLA/SARA liability, and are not subject to incurrence of response costs under CERCLA. Due to the frequency of occurrence, this Phase I ESA includes the identification of petroleum liabilities. No other assessment of non-CERCLA/SARA liabilities has been performed, unless specifically identified in the report.

2.2 SCOPE-OF-SERVICES

This Phase I ESA has been performed in general conformance with the scope and limitations of ASTM Practice E1527-13. Exceptions to, and/or deletions from, this practice are described in Section 11.0 of this report.

A Phase I ESA is the initial level of inquiry into the history, use and condition of a property and area, which establishes the reasonable presumption that recognized environmental conditions do or do not exist. The Phase I ESA consists of four basic inquiry components:

[1] The ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13 defines *recognized environmental condition* as: "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to a release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

2.0 INTRODUCTION (Cont.)

1. Records Review: A review of historical data to identify prior ownership and uses which represent a potential risk for contamination of the property; and a review of available public information and environmental records to identify site and area facilities, conditions, substances used, and activities that may have resulted in recognized environmental conditions.

2. Site Reconnaissance: A site visit to the assessed property to identify conditions which indicate the presence or potential presence of recognized environmental conditions.

3. Interviews: Interviews with present (and past, if applicable) owners, operators and occupants of the property, and with local government officials, to identify recognized environmental conditions.

4. Evaluation and Report: Preparation of the Phase I ESA report.

2.3 SPECIAL ASPECTS

Special aspects are provided in the form of "notes" detailed in Section 9.0. These notes are used either to identify special property conditions, or to identify and explain environmental aspects which may be of interest, but are not identified as recognized environmental conditions.

2.4 LIMITATIONS AND EXCEPTIONS

Environmental site assessment conclusions are determined based on the data available for the dates identified. The conclusions are subject to any state of facts which would be identified by updated data. No assurances are made as to the accuracy or completeness of data obtained from outside information sources. Also, it is possible that not all existing sites within the search radii specified in Section 5.1 of this report have been identified, due to factors such as urban density and potential insufficiencies in the databases.

Where the site observations are limited to representative areas, or where facilities are inaccessible for observation, the environmental site assessment conclusions are subject to any statement of facts which access to those areas would have revealed.

A "data gap" is defined in ASTM E1527-13 as "A lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information...." It should be noted that while the environmental professional shall identify and evaluate data gaps (if any) identified during the performance of a Phase I ESA, it is not possible for the environmental professional to accurately predict the significance of an absence of information.

Refer to Section 11.0 for a summary of additional deviations/limitations.

2.0 INTRODUCTION (Cont.)

2.5 SPECIAL TERMS AND CONDITIONS

This Phase I ESA was conducted in accordance with the terms and conditions that were established between Day Environmental, Inc. (DAY) and the Client in DAY's Work Order Authorization Form, dated May 2, 2016; and in DAY's Addendum Work Order Authorization Form #1, dated May 12, 2016.

2.6 USER RELIANCE

This report has been prepared for exclusive use by Rochester Steel Treating Works Incorporated, for use on its behalf. The findings and recommendations herein may be relied upon only by Rochester Steel Treating Works Incorporated. Use of or reliance upon this report, its findings and recommendations, by any other persons or firm is prohibited without the prior written permission of Day Environmental, Inc.

3.0 SITE DESCRIPTION

The following section summarizes the location, legal description and current use and improvements of the assessed property, as well as the general characteristics of the vicinity of the property. Refer to Section 6.0 for a more detailed description of conditions observed at the time of the site visit.

3.1 LOCATION, LEGAL DESCRIPTION, AND GENERAL CHARACTERISTICS

ADDRESS: 962, 966 and 972-974 East Main Street

MUNICIPALITY: City of Rochester

COUNTY/STATE: Monroe County, New York

TAX ACCOUNT #: 106.75-1-6.001, 106.75-1-7.001, and 106.75-1-8.001

PARCEL SIZE: Approximately 0.31 acres, approximately 0.08 acres, and approximately 0.24 acres, respectively (i.e., approximately 0.63 acres total)

IMPROVEMENTS: An approximate 15,000-square foot, one and two-story building. Concrete block and wood construction.
Date of construction: 1930s with additions in 1976 and 1988.

Source of Water: Municipal water supply (According to owner rep.)
Sewage Disposal: Municipal sewer system (According to owner rep.)

CURRENT USE: The building is currently occupied by Rochester Steel Treating Works Incorporated (RSTW) and is used to treat/finish steel components.

PROPERTY BOUNDARIES:

The Client provided DAY with a 1976 survey map delineating the boundaries of the assessed property. The survey map indicates that the assessed property is bounded by East Main Street to the south and New York Central Railroad to the north/northeast. Additionally, Mr. Keith Heiden (i.e., Technical Director of RSTW) delineated the property boundaries at the time of the site visit (refer to Section 6.0).

LEGAL DESCRIPTION:

A legal description of the 962 East Main Street parcel was provided in the Environmental Risk Information Service (ERIS) Environmental Lien Search report (refer to Appendix G). Legal descriptions of the 966 East Main Street and 972-974 East Main Street parcels were not provided to DAY. Thus, this assessment is subject to any state of facts that would have been revealed if a legal description of the assessed property were provided.

VICINITY GENERAL CHARACTERISTICS:

The vicinity of the assessed property is used for commercial and industrial uses. Refer to Section 6.5 for a list of adjoining property occupants.

4.0 USER PROVIDED INFORMATION

Mr. Brian Miller, a representative of the "User" of this Phase I ESA report (i.e., DAY's Client, Rochester Steel Treating Works Incorporated), provided DAY with a completed User Questionnaire, a copy of which is included in Appendix A. In addition, Ms. Jennifer Morey, a representative of the Client, provided DAY with copies of site plans (Figures 3 & 4). The following summarizes selected information provided by Mr. Miller:

- The reason for performing this Phase I ESA is the potential sale of the assessed property.
- Previous uses of the assessed property include a safe company, a grocery store, a restaurant and hotel.

5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

DAY maintains the required environmental regulatory databases in-house, and a DAY representative performed a review of these databases in accordance with the radii outlined in ASTM E1527-13. The following table and associated notes summarize the findings of the databases review:

SECTION	REGULATORY DATABASE	Assessed Property	Nearby Properties (Radius Searched)	Notes
5.1.1	**NPL** Records Date: 11/13/2013 Date of Last Agency Contact For Records Update: 4/8/2016	Not Listed	None Listed (1 mile)	
5.1.2	**Delisted NPL** Records Date: 4/7/2016 Date of last Agency Contact for Records Update: 4/8/2016	Not Listed	None Listed (0.5 mile)	
5.1.3	**CERCLIS** Records Date: 11/13/2013 Date of Last Agency Contact For Records Update: 4/8/2016	Not Listed	None Listed (0.5 mile)	
5.1.4	**CERCLIS NFRAP** Records Date: 11/13/2013 Date of Last Agency Contact For Records Update: 4/8/2016	Not Listed	None Listed (0.5 mile)	
5.1.5	**RCRA CORRACTS facilities list** Records Date: 3/11/2016 Date of Last Agency Contact For Records Update: 4/8/2016	Not Listed	Listed (1.0 mile)	See 5.1.5
5.1.6	**RCRA non-CORRACTS TSD facilities list** Records Date: 3/11/2016 Date of Last Agency Contact For Records Update: 4/8/2016	Not Listed	None Listed (0.5 mile)	
5.1.7	**Federal Institutional Control (IC) Registry** Records Date: 12/2013 Date of Last Agency Contact for Records Update: 3/21/2016	Not Listed	N/A (Assessed property only)	
5.1.8	**Federal Engineering Control (EC) Registry** Records Date: 12/2013 Date of Last Agency Contact for Records Update: 3/21/2016	Not Listed	N/A (Assessed property only)	
5.1.9	**RCRA Generators** Records Date: 1/25/2016 Date of Last Agency Contact For Records Update: 4/28/2016	Listed	Listed (Assessed property and Adjoining)	See 5.1.9
5.1.10	**ERNS** Records Date: 4/7/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Not Listed	N/A (Assessed property only)	
5.1.11	**NYSDEC IHWDS** Records Date: 4/7/2016 Date of Last Agency Contact For Records Update: 4/8/2016	Not Listed	Listed (1 mile)	See 5.1.11
5.1.12	**NYSDEC HSWDS** Records Date: 2/15/2002 Date of Last Agency Contact For Records Update: 10/30/2002 (*No longer updated)*	Not Listed	Listed (0.5 mile)	See 5.1.12
5.1.13	**SWF** Records Date: 4/6/2016 Date of Last Agency Contact For Records Update: 4/29/2016	Not Listed	Listed (0.5 mile)	See 5.1.13

5.0 RECORDS REVIEW (Cont.)

5.1.14	**NYSDEC PBS** Records Date: 4/8/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Not Listed	Listed (Assessed Property and Adjoining)	See 5.1.14
5.1.15	**NYSDEC MOSF** Records Date: 4/8/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Not Listed	None Listed (Assessed Property and Adjoining)	
5.1.16	**NYSDEC CBS** Records Date: 4/8/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Listed	Listed (Assessed Property and Adjoining)	See 5.1.16
5.1.17	**State Institutional Control/Engineering Control Registries** Records Date: 4/8/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Not Listed	N/A Assessed Property only	
5.1.18	**State Voluntary Cleanup Sites** Records Date: 4/8/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Not Listed	None Listed (0.5 mile)	
5.1.19	**State Brownfield Sites** Records Date: 4/8/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Not Listed	Listed (0.5 mile)	See 5.1.19
5.1.20	**State Environmental Restoration Program Sites** Records Date: 4/8/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Not Listed	Listed (0.5 mile)	See 5.1.20
5.1.21	**Sites Subject to Environmental Easements** Records Date: 4/8/2016 Date of Last Agency Contact For Records Update: 4/11/2016	Not Listed	N/A Assessed Property only	
5.1.22	**Federal UST** Records Date: Undated Date of Last Agency Contact For Records Update: No longer Updated	Listed	Listed (Assessed Property and Adjoining)	See 5.1.22
5.1.23	**NYSDEC Regulated Oil & Gas Wells** Date Data Obtained from NYSDEC Website: 5/13/2016	Not Listed	N/A Assessed Property only	

Note, based on a preliminary review of a 1980 Generalized Groundwater Contour Map, regional groundwater in the area of the assessed property appears to flow to the northeast (refer to Section 5.4).

(5.1.5) A RCRA CORRACTS site (#NYD002205755) (i.e., Gleason Works at 1000 University Avenue) is located approximately 0.8 miles east/southeast (i.e., assumed crossgradient direction) of the assessed property. Based on the location of this CORRACTS site, this site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

(5.1.9) A review of the USEPA RCRA Generator database identified the assessed property and two adjoining properties as RCRA Generators of hazardous waste, as described below:

5.0 RECORDS REVIEW (Cont.)

- The assessed property (i.e., Rochester Steel Treating Works at 962 E. Main St.) is identified as an active large quantity RCRA Generator of hazardous waste (LQG) (Site #NYD002220457). Copies of the annual reports of waste generation were obtained from the NYSDEC Manifest website, and these reports indicate that this facility has been a RCRA generator since 1982. Based on a review of a representative number of annual reports and manifests, waste materials such as trichloroethylene; sulfuric acid; nitric acid/ammonium bifluoride; acidic liquid, caustic solids, and caustic liquids containing chrome; waste oxidizing substances, solid corrosive (sodium nitrate, sodium hydroxide); non-DOT regulated material (oil, water); etc. have been generated on the assessed property. The generation of hazardous waste on the assessed property contributes to the current and historic uses of the assessed property as a recognized environmental condition (refer to Section 9.0). Note, this site is also identified as a NYSDEC Chemical Bulk Storage (CBS) facility, a Federal Underground Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.16, 5.1.22, and 5.2.2).

- Site #NYD013140066 (i.e., Staub Textile Services Inc. at 951 E. Main St.) adjoins the assessed property to the south and southwest across East Main Street (i.e., assumed upgradient direction), and is identified as an active large quantity RCRA Generator of hazardous waste (LQG) (Site #NYD013140066). A review of the NYSDEC Manifest website indicates that this facility has been a generator since at least 1986. Based on a review of a representative number of annual reports and manifests, waste materials such as tetrachloroethylene, (also known as perchloroethylene), waste still bottoms from dry cleaning operations, filter cartridges, combustible liquid (aliphatic and aromatic hydrocarbons), hazardous waste solid (chromium, lead, selenium, 1,1-dichloroethylene, tetrachloroethylene), hazardous waste liquid (vinyl chloride), etc. have been generated on this adjoining property. The generation of hazardous waste contributes to the identification of this adjoining property as a recognized environmental condition in relation to the assessed property. Note, this site is also identified as a NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS), a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC Chemical Bulk Storage (CBS) facility, a NYSDEC Brownfield Clean-Up Program (BCP) site, a Federal Underground Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.11, 5.1.14, 5.1.16, 5.1.19, 5.1.22, and 5.2.2).

- Site #NY0000477679 (i.e., Macke Business Products at 55 Railroad Street) adjoins the assessed property to the east across railroad tracks (i.e., assumed crossgradient/downgradient direction), and is identified as an inactive RCRA Generator of hazardous waste. A review of the NYSDEC Manifest website identified one manifest associated with this generator number, which was dated 9/13/1994. The shipment included 55 gallons of waste corrosive liquids (chromium, lead) and an unknown quantity of environmentally hazardous substances, liquid (Cadmium, 1,1-dichloroethyl). Based on the location of this inactive Generator in relation to the assessed property, and since information has not been obtained that indicates that hazardous waste has been released/spilled at this site (i.e., this site

5.0 RECORDS REVIEW (Cont.)

is not identified as a CERCLIS site, a NYSDEC Inactive Hazardous Waste Disposal Site, etc.), this adjoining inactive generator facility is not being identified as a recognized environmental condition in relation to the assessed property at this time. Note, this site is identified as a NYSDEC Petroleum Bulk Storage (PBS) facility and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.14 and 5.2.2).

(5.1.11) A review of the NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS) database identified three IHWDSs within a one-mile radius of the assessed property, as described below:

- Site #828160 (i.e., Staubs Textile Services, Inc. at 935, 951 East Main Street) adjoins the assessed property to the south and southwest across East Main Street (i.e., assumed upgradient direction). The NYSDEC Site Record states, "This site has a 70-year history of use as an industrial laundry and dry cleaning service...The primary contaminant of concern at the site is tetrachloroethene (PCE). PCE (9470) detected in soil samples collected at the southern part of the site, substantially exceed soil cleanup objectives, unrestricted of 1.3 ppm for PCE. Groundwater sampling, also at the southern part of the site, has revealed that concentrations of PCE (118,000 ppb) and trichloroethene TCE (22,100 ppb) detected in groundwater samples substantially exceed NYS Class GA groundwater standards of 5 ppb for both PCE and TCE. Investigation is continuing. An IRM was implemented in 2013 to extract contamination from the source area beneath the building and destroy the contaminants of concern...NYSDOH and NYSDEC will conduct additional investigations to determine the potential for soil vapor intrusion into structures." The listing of this site as an IHWDS contributes to the identification of this adjoining property as a recognized environmental condition in relation to the assessed property. Note, this site is also identified as a RCRA Generator of hazardous waste, a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC Chemical Bulk Storage (CBS) facility, a NYSDEC Brownfield Clean-Up Program (BCP) site, a Federal Underground Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.14, 5.1.16, 5.1.19, 5.1.22, and 5.2.2).

- Site #828088 (i.e., Davis-Howland Oil Corporation at 200 Anderson Avenue) is located approximately 0.4 miles southeast (i.e., assumed crossgradient direction) of the assessed property. The NYSDEC Site Record indicates, "Shallow groundwater flows to the south with a limited component of flow in a more easterly direction under the site...Bedrock groundwater appears to flow predominantly to the east." Based on the location of this site and the information provided in the Site Record, this IHWDS is not being identified as a recognized environmental condition in relation to the assessed property at this time.

- Potential (Class P) Site #828164 (i.e., Former Elite Vogue Dry Cleaners at 527-533 East Main Street) is located approximately 0.5 miles southwest (i.e., assumed upgradient direction) of the assessed property. The NYSDEC Site Record states,

5.0 RECORDS REVIEW (Cont.)

"Results of previous investigations of adjacent properties by others indicate that groundwater flow is generally to the east" (i.e., therefore, it appears that the groundwater flow direction in the area of this site is actually in a crossgradient direction in relation to the assessed property). In addition, the Site Record indicates that the definition of a Class P site is, "...there is a potential for concern about site contamination. Information regarding a Class P site investigation of the site is not yet complete. Due to the preliminary nature of this information, significant conclusions of decision should not be based solely upon this summary." Based on the information provided in the Site Record, this Potential IHWDS is not being identified as a recognized environmental condition in relation to the assessed property at this time.

Copies of the Site Records for the IHWDSs discussed above are included in Appendix D.

(5.1.12) NYSDEC Hazardous Substance Waste Disposal Site (HSWDS) #HS8007 (i.e., Conrail Rail Yards at 400 N. Goodman St.) is located approximately 0.2 miles southeast (i.e., assumed crossgradient direction) of the assessed property. Based on the location of this HSWDS, this site is not being identified as a recognized environmental condition in relation to the assessed property at this time. Note, this site is also identified as a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Section 5.2.2).

(5.1.13) The NYS Solid Waste Facility (SWF) Register identifies sites such as municipal landfills and transfer stations. Site #28K05 (i.e., Tom & Paul's Tire Trax Inc. at 1233 East Main Street) is located approximately 0.4 miles east (i.e., assumed crossgradient direction) of the assessed property. This site is identified as an active waste tire storage – dealer. Based on the location of this SWF, and the type of waste (i.e., tires) associated with this site, this site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

(5.1.14) A review of the NYSDEC Petroleum Bulk Storage (PBS) database identified two adjoining properties as PBS facilities, as described below:

- PBS Facility #8-445029 (i.e., Staub Textile Services Inc. at 951 E. Main St.) adjoins the assessed property to the south and southeast across East Main Street (i.e., assumed upgradient direction). According to the NYSDEC Facility Information Report (FIR), one 10,000-gallon underground storage tank (UST) that was used to store diesel fuel was installed on this property on 9/1/1982 and was removed on 11/1/1998. It appears that NYSDEC Spill/Leaking Storage Tank (LST) incident #9800145 is associated with the failure of a tightness test of this UST (refer to Section 5.2.2 and Appendix D). The listing of this site as a PBS facility contributes to the identification of this adjoining property as a recognized environmental condition in relation to the assessed property. Note, this site is also identified as a RCRA Generator of hazardous waste, a NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS), a NYSDEC Chemical Bulk Storage (CBS) facility, a NYSDEC Brownfield Clean-Up Program (BCP) site, a Federal Underground

5.0 RECORDS REVIEW (Cont.)

Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.11, 5.1.16, 5.1.19, 5.1.22, and 5.2.2). A copy of the PBS FIR is included in Appendix D.

- PBS Facility #8-601228 (i.e., Railroad Street Associates, LLC at 55 Railroad Street) adjoins the assessed property to the east (i.e., assumed crossgradient/downgradient direction) across railroad tracks. According to the NYSDEC Facility Information Report (FIR), one 5,000-gallon underground storage tank (UST) used to store #2 fuel oil was removed from this property on 7/13/2006 (installation date not identified). Note, although the FIR indicates that this UST was removed, documentation provided by the NYSDEC included a tank closure report that was prepared by Soil Air Water Environmental Services, Inc. (SAW) (dated July 28, 2006), which indicates that the UST was closed-in-place. The SAW report concludes, "A soil sample analyzed from the base of the tank pit did not reveal the presence of impacted soils. In addition, soils originating from the sidewalls of the tank did not reveal the presence of petroleum vapor odor. The tank had not created a condition that would pose an environmental liability..." Based on the information provided in the SAW tank closure report, this adjoining PBS facility is not being identified as a recognized environmental condition in relation to the assessed property at this time. Note, this site is also listed as a RCRA Generator of hazardous waste and a NYSDEC Spill/Leaking Storage Tank (LST) site (i.e., the spill/LST incident is not related to this UST) (refer to Sections 5.1.9 and 5.2.2). A copy of the FIR and the text of the SAW tank removal report are included in Appendix D.

(5.1.16) A review of the NYSDEC Chemical Bulk Storage (CBS) database identified the assessed property and an adjoining property as CBS facilities, as described below:

Assessed Property (Rochester Steel Treating Works at 962 E. Main St.)

- CBS Facility #8-000124: The NYSDEC CBS Facility Information Report (FIR) indicates that one 500-gallon aboveground storage tank (AST) (contact with soil) that was used to store ammonia was installed on the assessed property on 7/1/1984 and was removed on 9/1/2000.

- CBS Facility #8-000338: The CBS FIR indicates that one 500-gallon AST (located on a concrete pad) containing ammonia was installed on the assessed property on 09/01/2000 (i.e., this tank is currently in service). (Note, it was reported that this tank was manufactured in 1968, and was installed at least 40 years ago [refer to Section 7.1].)

- CBS Facility #8-000175: The CBS FIR indicates that one 220-gallon AST (contact with soil) that was used to store 1,1,2-trichlorethylene was installed on the assessed property on 6/1/1987 and was removed on 5/1/2001; and that one 1,050-gallon AST (in subterranean vault with access for inspection) that was used to store methanol was installed on the assessed property on 7/1/1983 and was

5.0 RECORDS REVIEW (Cont.)

removed on 12/1/1999. (Note, information that was reviewed as part of this assessment indicates that the 1,050-gallon methanol AST was closed-in-place and was not removed [refer to Section 5.7].)

Copies of the FIRs regarding the CBS listings discussed above are included in Appendix D.

The current and former presence of CBS tanks on the assessed property contributes to the current and historic uses of the assessed property as a recognized environmental condition (refer to Section 9.0). Note, this site is also identified as a RCRA Generator of hazardous waste, a Federal Underground Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.22 and 5.2.2).

Adjoining Property

- CBS Facility #8-000250 (i.e., Staub Textile Services Inc. at 951 E. Main St.) adjoins the assessed property to the south and southeast across East Main Street (i.e., assumed upgradient direction). The NYSDEC CBS Facility Information Report indicates that one 350-gallon aboveground storage tank (AST) that was used to store tetrachloroethene (PCE) was removed from this site on 10/1/1998 (installation date not identified). The listing of this site as a CBS facility contributes to the identification of this adjoining property as a recognized environmental condition in relation to the assessed property. Note, this site is also identified as a RCRA Generator of hazardous waste, a NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS), a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC Brownfield Clean-Up Program (BCP) site, a Federal Underground Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.11, 5.1.14, 5.1.19, 5.1.22, and 5.2.2).

(5.1.19) A review of the NYSDEC Brownfield Clean-Up Program (BCP) Site database identified two BCP sites within a 0.5-mile radius of the assessed property, as described below:

- Site #C828160 (i.e., Former Staub's Textile Service, Inc. at 935, 951 E. Main St.) adjoins the assessed property to the south and southeast across East Main Street (i.e., assumed upgradient direction). The NYSDEC Site Record states, "Until 2005, the site was used for a commercial laundry and dry cleaners. The site is known to have operated as a dry cleaners since the 1920's...Known or suspected contaminants at this site are chlorinated solvents (Perc) and some petroleum. These contaminants are impacting the soil and groundwater. Soil gas is suspected to also be a concern...Significant PCE impacts have been recorded in unsaturated shallow and deep soils as well as shallow groundwater...PCE and cis-DCE found in groundwater, also significantly exceed groundwater standards (typically 0.005 ppm). No off-site data has been collected, however, the onsite data indicates that contaminant concentrations are increasing in the direction and vicinity of the presumed downgradient property lines...Based on surficial topography, the

5.0 RECORDS REVIEW (Cont.)

groundwater flow direction beneath the Site is presumed to be to the southeast" (i.e., Note, regional groundwater flow direction does not always follow local surficial topography). Note, this site is listed as an "N Class (i.e., No Further Action at this Time) BCP site; however, this site is identified as a current NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS) (i.e., it appears that the remediation associated with this site is being performed under the IHWDS program, rather than the BCP [refer to Section 5.1.11]). The listing of this site as a BCP site contributes to the identification of this adjoining property as a recognized environmental condition in relation to the assessed property. Note, this site is also identified as a RCRA Generator of hazardous waste, a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC Chemical Bulk Storage (CBS) facility, a Federal Underground Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.14, 5.1.16, 5.1.22, and 5.2.2).

- Site #C828115 (i.e., Rochester Drug Cooperative Building at 320 N. Goodman St.) is located approximately 0.2 miles southeast (i.e., assumed crossgradient direction) of the assessed property. According to the NYSDEC website, this site is a "C Class" (i.e., completed) site, and the "C Class" designation is described as "...used for sites where the Department has determined that remediation has been satisfactorily completed under a remedial program (i.e., State Superfund, Brownfield Cleanup Program, Environmental Restoration Program, Voluntary Cleanup Program, and RCRA Corrective Action Program)...Non-registry sites may be made a class C after successful completion of all required construction or after a no further action remedy has been selected by the Department. These sites will be issued a Certificate of Completion (COC), but may still require ongoing maintenance and periodic certification of institutional/ engineering controls (IC/ECs). Based on the location of this BCP site and the "C Class" designation of this site, this BCP site is not being identified as a recognized environmental condition in relation to the assessed property at this time. Note, this site is also identified as a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Section 5.2.2 and Appendix D).

Copies of the Site Records for these BCP sites are included in Appendix D.

(5.1.20) NYSDEC Environmental Restoration Program (ERP) Site #B00129 (i.e., 1200 E. Main Street at 1200 E. Main Street) is located approximately 0.3 miles east (i.e., assumed crossgradient direction) of the assessed property. Based on the location of this ERP site, this site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

(5.1.22) A review of the Federal Underground Storage Tank (UST) database identified two listings of the assessed property and the listing of one adjoining property, as described below. (Note, the Federal UST listing is an undated database maintained in DAY's files, which is no longer updated by the USEPA; therefore, the information provided in

5.0 RECORDS REVIEW (Cont.)

this database may not reflect current conditions. Additional information regarding these tanks is not provided on the UST database):

- Facility #8-000010 is identified for the assessed property (i.e., Rochester Steel Treating Works at 962 E. Main St.) and is listed as containing one UST.

- Facility #8-001524 is identified for the assessed property (i.e., Rochester Stel [sic] Treating at 962 E. Main St.) and is listed as containing one UST.

It is possible that one of the Federal UST listings is associated with the methanol UST that was formerly located on the assessed property (refer to Section 5.7); however, the reason for these UST listing(s) could not be confirmed. In addition, it is not known if the second Federal UST number is a duplicate listing, or if these listings represent two different USTs. The listing of the assessed property as a Federal UST facility contributes to the current and historic uses of the assessed property as a recognized environmental condition (refer to Section 9.0). Note, this site is also identified as a RCRA Generator of hazardous waste, a NYSDEC Chemical Bulk Storage (CBS) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.16, and 5.2.2).

- Facility #8-001639 (i.e., Staub Textile Services, Inc. at 951 E. Main St.) adjoins the assessed property to the south and southeast across East Main Street (i.e., assumed upgradient direction) and is listed as containing one UST. The listing of this site as a Federal UST facility contributes to the identification of this adjoining property as a recognized environmental condition in relation to the assessed property (refer to Section 9.0). Note, this site is also identified as a RCRA Generator of hazardous waste, a NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS), a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC Chemical Bulk Storage (CBS) facility, a NYSDEC Brownfield Clean-Up Program (BCP) site, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.11, 5.1.14, 5.1.16, 5.1.19 and 5.2.2).

5.2 NYSDEC SPILLS/LEAKING STORAGE TANK (LST) DATABASE SEARCH

DAY reviewed the NYSDEC Spills/Leaking Storage Tank (LST) database (dated April 1, 2016) for listings pertaining to the assessed property and properties within a 0.5-mile radius of the assessed property.

Note, the approximate minimum search distance for NYSDEC Spills/LSTs was limited to a radius of 0.25 miles from the assessed property due to the urban density of the setting in which the assessed property is located.

Results of the Spill/LST database review are summarized below:

5.0 RECORDS REVIEW (Cont.)

(5.2.1) Spills/LST – Assessed Property

Four closed/inactive spills were listed for the assessed property, as described below:

- Closed Spill #8589988 was reported on 1/18/1985. The NYSDEC Spill Report Form (SRF) states, "Indoor spillage from storage of 60 lbs of cyanide salts in bldg., outdoor spillage due to illegal burial of 60 lbs of cyan-ide [sic] under slag and storage of cyanide salts & 7 barrels of contaminated oil….Violations and legal action: Minimal spillage – awaiting Beci Search warrant…Containment Action: None at this point, diked by Conrail RR tracks…Forward info to DSHW (Department of Solid and Hazardous Waste)…" This spill was closed on 6/1/1986.

- Closed Spill #8503403 was reported on 12/29/85. The SRF states, "A heater that was repaired by electricians on Sat. was left on. Pressure inside the anhydrous ammonia tank built up until valve was ruptured….Extent of spill: anhydrous ammonia discharged to the air through a pressure relief valve on the storage tank…no further action necessary…" This spill was closed on 6/1/1986.

- Closed Spill #8604022 was reported on 9/20/1986. The SRF states, "Cause was broken rupture disk…Air Products, Inc. personnel shut off valve. A portion of Main Street was closed as a precaution…" The SRF indicates that the material spilled was liquid nitrogen. This spill was closed on 3/31/1987.

- Inactive Spill #1006842 was reported on 9/24/2010. The SRF states, "Caller advised approximately 2 gallons of TCE spilled from commercial vehicle. Caller also advised that substance has been cleaned up…Spill occurred as a result of drum falling off of tailgate to paved parking lot…cleaned up with pads…no further action necessary." This spill was assigned an inactive status on 9/30/2010.

Copies of the SRFs regarding the spills discussed above are included in Appendix D.

Reported spills on the assessed property contribute to the current and historic uses of the assessed property as a recognized environmental condition (refer to Section 9.0). This site is also identified as a RCRA Generator of hazardous waste, a NYSDEC Chemical Bulk Storage (CBS) facility, and a Federal Underground Storage Tank (UST) facility (refer to Sections 5.1.9, 5.1.16, and 5.1.22).

(5.2.2) Spills/LST – Properties Within 0.25 -Mile Radius

The NYSDEC Spills/LST database identified 75 closed/inactive spills within a 0.25-mile radius of the assessed property that did not occur on properties that adjoin the assessed property (see below for a description of closed/inactive spills that occurred on adjoining properties). A spill listed as closed normally indicates that studies and/or remediation at the spill site have been completed, and a spill listed as inactive indicates that although some contamination may remain on the property, the NYSDEC does not require further action at this time. Thus, further investigation regarding the

5.0 RECORDS REVIEW (Cont.)

potential impact on the assessed property of the 75 closed/inactive spills that did not occur on adjoining properties does not appear warranted at this time.

Provided below is a summary of closed/inactive spills that occurred on properties that adjoin the assessed property:

Adjoining Property to the South and Southeast Across E. Main St. (Staub's at 951 E. Main St.)

- Closed Spill #9800145 was reported on 4/3/1998. The NYSDEC Spill Report Form (SRF) states, "A 10000 gallon underground diesel tank could not reach maximum pressure during a Horner EZY-Check III Tightness Test. The tank is to be uncovered and isolated and retested...The inventory is to be closely monitored." The SRF also states that a bad union was discovered, and that two unused copper lines were discovered that ran from the tank to the inside of the building located on this site that were not being used. The lines were reportedly removed, the tank was capped/plugged, the tank was retested, and the tank passed this test. The SRF states, "...they plan on removing the tank by the end of the year because it does not meet EPA UST standards..."

- Closed Spill #0900897 was reported on 4/23/2009. The SRF states, "Caller states that analytical results were received and showed a minor amount of petroleum contamination in the groundwater and high amounts of dry cleaning solvent contamination. The caller is working on a Phase I Investigation with the City of Rochester and will address what it is needed [sic] to be done at this site...sampling results indicate elevated levels of PCE in both soil and groundwater. Other solvents noted above Dept guidelines. Low levels of petroleum SVOC's identified. Case forwarded to DEC Region 8 DER-HWR (Division of Environmental Remediation - Hazardous Waste Remediation) for follow up. No further action required by Spills."

- Closed Spill #1110636 was reported on 11/30/2011. The SRF states, "While drilling today as part of an environmental site assessment, petroleum-impacted soils encountered near former underground storage tank at historic dry cleaning facility. Not sure type of impacts, but they do not appear to be dry cleaning/solvent-related. Shaw Env. is working for DEC DER out of Central office. Spill #0900897 was previously closed and referred to DER for followup [see above]...No further action by Spills Unit. All follow up to be handled under Hazardous Waste Remediation Program...Haz Waste Site Number is 828160..."

The listing of this site as a NYSDEC Spill/LST site contributes to the identification of this adjoining property as a recognized environmental condition in relation to the assessed property (refer to Section 9.0). Note, this site is also listed as a RCRA Generator of hazardous waste, a NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS), a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC Chemical Bulk Storage (CBS) facility, a NYSDEC Brownfield Clean-Up Program (BCP) site, and

5.0 RECORDS REVIEW (Cont.)

a Federal Underground Storage Tank (UST) facility (refer to Sections 5.1.9, 5.1.11, 5.1.14, 5.1.16, 5.1.19, and 5.1.22).

Adjoining to the East Across the Railroad Tracks (55 Railroad Street)

- Inactive Spill #8300138 was reported on 4/20/1983. The SRF states, "Motor vehicle slid off road and struck three transformers at 55 Railroad Street ...most of oil was carried by melt water into a nearby stormsewer. MCHD collected a sample which is to be analyzed....no further action needed." This spill was assigned an inactive status on 4/20/1983.

- Closed Spill #8380141 was reported on 4/20/1983 and is identified as a duplicate spill (see above).

Based on the information provided in the SRFs, the two spills discussed above are not being identified as a recognized environmental condition in relation to the assessed property at this time. Note, this site is identified as a RCRA Generator of hazardous waste and a NYSDEC Petroleum Bulk Storage (PBS) facility (refer to Sections 5.1.9 and 5.1.14).

Adjoining to East/Southeast (Roadway on North Side of E. Main St., West of Railroad Tracks)

- Closed Spill #8912436 was reported on 3/29/1990. The SRF states, "3 underground tanks were found on north side of E. Main St on west side of railroad tracks. Tanks of unknown size were punctured when Sinisgalli Wrecking was doing demolition for new bridge...Tanks had some sand in them, but were not completely filled & when punctured water & product ran out. Shovel operator made small containment area...area at end tanks is diked to hold water & product running out of them. Product appears to be #6 oil...all tanks have holes in them...Bob DiLaura Rochester F.D. informs me that tanks are 3-12000 gal tanks that are at least as old as 1938 or older. Supposedly abandoned w/ sand in 1960...Sinisgalli to handle tank removal & disposal...inspection revealed kerosene odor present...Readings indicated 7.5 ppm on job site & 12 ppm @ office afterwards...low readings suggest excavation may continue & soil previously removed may be used for backfill. Breis will contact us before excavation resumes...they removed remaining 2 12K-gal tanks **DEC wasn't notified beforehand**. Tanks were supposedly defumed & cut open & product removed. Excavation performed by Piedmont...Neither the Fire Dept of Health Dept was notified or present for tank cutting & removal. Soil was not contaminated & holes were backfilled. Tanks are clean & ready to haul away. No further Action." This spill was closed on 5/9/1990. Based on the information provided in the SRF, this closed spill is not being identified as a recognized environmental condition in relation to the assessed property at this time.

5.0 RECORDS REVIEW (Cont.)

Copies of the SRFs regarding the adjoining closed/inactive spills discussed above are included in Appendix D.

In addition, four closed unmappable spill sites are potentially located within a 0.25-mile radius of the assessed property. [Note: An unmappable spill site is defined as a spill with incomplete or inaccurate address information provided on the NYSDEC Spill Report Form; therefore, the specific location of the spill site could not be determined.] Three of the closed spills occurred on Main Street, and one of the closed spills occurred on Railroad Street; however, it could not be determined if these closed spills occurred on the assessed property or adjoining properties. Since these four spills were closed by the NYSDEC, and based on the information provided in the SRFs, these four unmappable spills are not being identified as a recognized environmental condition in relation to the assessed property. However, this assessment is subject to any state of facts that would have been revealed if the exact locations of these spill incidents were known. Copies of the SRFs for these four closed unmappable spills are included in Appendix D.

Three active mappable spills were also identified within a 0.25-mile radius of the assessed property. These spills occurred between approximately 0.2 miles and approximately 0.25 miles southeast (i.e., assumed crossgradient direction) of the assessed property. Based on the locations of these three active mappable spills, these spills are not being identified as a recognized environmental condition in relation to the assessed property at this time.

5.3 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

REGULATORY DATABASE/AGENCY	Assessed Property	Nearby Properties (Radius Searched)	Notes
NYSDEC FOIL Date of FOIL Request: 6/6/2016 Date FOIL Response Received: 6/9/2016 See Appendix D	Files Maintained	N/A (Assessed Property only)	See Section 5.3.1
Monroe County Health Dept. FOIL Date of FOIL Request: 5/12/2016 See Appendix D	Response Not Received	N/A (Assessed Property only)	See Section 11.0; Limitations
City of Rochester FOIL Date of FOIL Request: 5/12/2016 See Appendix D	Response Not Received	N/A (Assessed Property only)	See Section 11.0; Limitations

(5.3.1) A Freedom of Information Law (FOIL) request was submitted to the New York State Department of Environmental Conservation (NYSDEC) for information regarding the assessed property. The FOIL response included documentation regarding Chemical Bulk Storage (CBS) storage listings of the assessed property (refer to Section 5.1.16), Spill Report Forms regarding documented NYSDEC spills that have occurred on the assessed property (as well as a letter and generator manifest associated with one of the spills) (refer to Section 5.2.1), Division of Air files regarding air emission sources

5.0 RECORDS REVIEW (Cont.)

located at the assessed property, and Division of Water files regarding storm water discharges associated with the assessed property. The information provided by the NYSDEC, which includes information regarding the operations performed and chemicals used at the site, contributes to the current and historic uses of the assessed property as a recognized environmental condition.

Copies of the FOIL request, the FOIL response, and pertinent information provided by the NYSDEC are included in Appendix D.

5.4 PHYSICAL SETTING SOURCE(S)

In addition to observations made at the time of the site visit, the United States Geological Survey (USGS) Rochester East quadrangle (dated 1978) was reviewed for information regarding site topography and physical setting (refer to Figure 1). According to the USGS map, the assessed property is located approximately 500 feet above sea level. The assessed property and surrounding area slope down to the north. There are no surface water bodies on the assessed property. Storm water on the assessed property appears to drain off the assessed property via overland flow to catch basins located on the assessed property or to the adjoining property to the north or east (i.e., railroad). Based on a preliminary review of a 1980 Generalized Groundwater Contour Map, regional groundwater in the area of the assessed property appears to flow to the northeast toward Irondequoit Bay, which is located approximately three miles from the assessed property. This flow direction may be modified locally due to buried utilities, nearby pumping, seasonal conditions, or other factors.

5.5 HISTORICAL USE INFORMATION

The following information sources were reviewed for historical information regarding the assessed property and adjoining properties:

Historical Information Source	Source	Status
Aerial Photographs	Monroe County Website NYSGIS Clearinghouse	Reviewed
Topographic Map	ESRI Online Services and Rochester East, NY Quadrangle	Reviewed
Sanborn Maps	Environmental Risk Information Service (ERIS)	Reviewed
Historical Maps	Rundel Library	Reviewed
Directories	Rundle Library	Reviewed

Refer to Section 12.0 for the sources from which this information was obtained and refer to Section 11.0 for limitations (if any) regarding historical research. Copies and/or summaries of historical information sources reviewed are included in Appendix C.

5.0 RECORDS REVIEW (Cont.)

The following sections summarize the historical uses of the assessed property and adjoining properties.

(5.5.1) Historical Use Information Regarding The Assessed Property

(5.5.1.1) Historical Maps / Aerial Photographs+

+ Due to the scale and/or quality of the 1930 through 1999 aerial photographs, details of the assessed property could not be discerned.

YEAR	SOURCE	DESCRIPTION
1875	Plat Map	The assessed property appears to consist of two parcels of land. The western parcel is reportedly owned by Thos. J. Wood, and is improved with an apparent residence; and the eastern portion is reportedly owned by Mrs. Eliza H. Coxxens, and is improved with an apparent residence.
1888	Plat Map	The assessed property appears to consist of two parcels of land. The western parcel is reportedly owned by A. Emer, and is improved with an apparent residence and a garage/shed; and the eastern portion is reportedly owned by Mary J. Cooney, and is improved with an apparent residence and a coal yard* (located on the northern portion of this parcel).
1900	Plat Map	The assessed property appears to consist of two parcels of land. The western parcel is improved with a wood-frame building, and a brick building with two wood-frame sections. The eastern parcel is improved with a brick building with a wood-frame section, and a detached wood-frame shed/barn (i.e., identified as the coal yard in the 1888 Plat Map). The owners of the parcels and uses of the buildings are not identified.
1910	Plat Map	The assessed property appears to consist of two parcels of land. The western parcel is improved with a wood-frame building, a brick building with two wood-frame sections, and a wood-frame building that may be connected to a brick building located on the eastern parcel. On the eastern parcel, a wood-frame section appears to be connected to the north side of the brick building discussed above, and a detached wood-frame shed/barn (i.e., identified as the coal yard in the 1888 Plat Map) is located on the northern portion of this parcel. The owners of the parcels and uses of the buildings are not identified.
1911	Sanborn Map	The assessed property is identified as the W.G. Bell Planing Mill*, and is improved with buildings identified as "Shav'gs ho" (i.e., shavings house), "Shavings Vault", "Dry Kiln", "Planing Mill", "Eng", "Lumber Shed", "Doors and Windows Ware Ho", and "Coal Shed*". In addition, a dwelling, two stores, and a saloon are located on the assessed property along E. Main St., and a shed/barn is located south of the coal shed.

5.0 RECORDS REVIEW (Cont.)

1912	Sanborn Map	The assessed property is not included on this map.
1918	Plat Map	The assessed property appears to consist of two parcels of land that are identified as the W.G. Bell Planing Mill*. The eastern parcel is improved with three wood-frame buildings, and a brick building with two wood-frame sections. The western parcel is improved with a brick building that is larger than that observed in the 1910 Plat Map, with a wood-frame section on the north side of the building, a wood-frame garage/shed, and two wood-frame buildings. (Note, the building that was formerly identified as a coal yard is no longer depicted as a shed/barn-type structure [i.e., the building is still present, but it is not depicted as a shed/barn-type structure]).
1926	Plat Map	The assessed property appears to consist of two parcels of land (owner not identified). The wood-frame building formerly located on the southwest corner of the western parcel is no longer depicted, and the northern wood-frame section of the brick building on the western parcel is no longer depicted. The remaining buildings appear similar to that observed in the 1918 Plat Map, except that the building located at the southeast corner of the western parcel appears to be brick (i.e., the building formerly depicted in this location was wood-framed).
1930	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
1935	Plat Map	The assessed property appears to consist of two parcels of land. The western parcel is reportedly owned/occupied by A.C. Freer Company, Inc., and is improved with a stone building along E. Main St. and the brick building with two wood-frame sections that was previously depicted in the Plat Maps. The eastern parcel is owned/occupied by Adeline Tanner. The buildings on this parcel appear similar to that observed in the 1926 Plat Map, except one wood-frame building is no longer depicted, and the wood-frame section of the brick building is depicted as being further west than that depicted in earlier years.
1938	Sanborn Map	The assessed property is not included on this map.
1950	Sanborn Map	Buildings depicted on the assessed property include "Auto Painting Lacquer Spraying"*, "Wash Rm", "Machine Shop"*, "Boiler Rm"*, "Auto Repair"*, "Shed", two restaurants, and a concrete block building of unidentified use.
1951	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
1961	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
1970	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
1971	Sanborn Map	Buildings depicted on the assessed property include "Stge" (i.e., storage), "Heat Treating"*, two offices, a restaurant with a connected auto garage and a connected concrete block building of identified use.

5.0 RECORDS REVIEW (Cont.)

1980	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
1988	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
1993	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
1996	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
1999	Aerial Photo	Numerous buildings are visible on the assessed property; however, details cannot be discerned.
2015	Aerial Photo	The assessed property appears similar to that observed at the time of the site visit (i.e., buildings are located on the central and northern portions of the parcels, and parking areas are located on the southern portions of the parcels).

* Indicates a historical use that is being identified as a recognized environmental condition (refer to Section 9.0).

(5.5.1.2) Directories

Provided below is a summary of listings of the assessed property that were included in the directories reviewed (i.e., searched at approximate five-year intervals). Note, numerous residential listings were also included in the directories reviewed; however, residential listings are not provided below:

Year	Address	Listing
1923	962 E. Main St.	Bell Wm G, planning mill*
1926 to 1931	962 E. Main St.	Freer AC Co., Inc, auto rprs*
1936	962 E. Main St.	Freer A C Co., Inc., auto rprs*
		Bloss Raymond, auto pntr*
1941 to 1946	962 E. Main St.	Freer AC Co., Inc, auto rprs*
1952	962 E. Main St.	Vacant
1956 to 2011	962 E. Main St.	Rochester Steel Treating Works*
1926-27	964 E. Main St.	Vacant
1923	966 E. Main St.	Beringer Henry H., barber
1926-27	966 E. Main St.	Dibble Clarence G., barber
1931	966 E. Main St.	Chronis Jas, restaurant
1936	966 E. Main St.	Vacant
1941	966 E. Main St.	Deco Rochester Inc., restaurant
1946	966 E. Main St.	R-S-R Restaurant
1952	966 E. Main St.	The Dog House Restaurant
1956	966 E. Main St.	The Lunch Box Restaurant
1961	966 E. Main St.	Wee Wonder Restaurant

5.0 RECORDS REVIEW (Cont.)

1936	970 E. Main St.	Casey Pakt, restaurant
1941	970 E. Main St.	Tanner Bros., restaurant
1946	968-970 E. Main St.	Halaby Saml A. Co., insecticides*
1952	970 E. Main St.	D&M Grill, restaurant
1956	970 E. Main St.	D& M Grill
		DiLalla A & Co., plmb*
1961	970 E. Main St.	Gala Jimmy's Grill
1966	970 E. Main St.	Gupp Sign Co., Inc.*
1971 to 1986	970 E. Main St.	Vacant
1923	972 E. Main St.	Stoll George, saloon
1926-27	972 E. Main St.	Pinkman Wales E., restaurant
1931	972 E. Main St.	Vacant
1936 to 1976	972 E. Main St.	Apartments
1936 to 1941	974 E. Main St.	Margaret's Beauty Shop
1946	974 E. Main St.	Feasler Arlington B, printer*
1966 to 1971	974 E. Main St.	Gala Jimmy's Grill, tavern
1976 to 1983-84	974 E. Main St.	Sutter's Mill, tavern

* Indicates a historical use that is being identified as a recognized environmental condition (refer to Section 9.0).

(5.5.2) Historical Use Information Regarding Adjoining Properties

(5.5.2.1) Historical Maps / Aerial Photographs+

\+ Due to the scale and/or quality of the 1930 through 1999 aerial photographs, details of the adjoining properties could not be discerned.

YEAR	SOURCE	NORTH	EAST	SOUTH	WEST
1875	Plat Map	Strip of vacant land, with railroad tracks and vacant land beyond	Possible residence and barn/shed, with railroad tracks and vacant land beyond	Roadway, with vacant land and possible residence and barn/shed beyond	Possible residence
1888	Plat Map	Strip of vacant land, with railroad tracks and vacant land beyond	Possible wood-frame residence and barn/shed, with railroad tracks and vacant land beyond	Roadway, with vacant land and possible brick residence and barn/shed beyond	Possible wood-frame residence

5.0 RECORDS REVIEW (Cont.)

1900	Plat Map	Strip of vacant land, with railroad tracks and a building of unknown use beyond (including "Dry Kilns")	Possible wood-frame residence, brick barn/ garage, and wood-frame barn/ garage, with a brick building of unknown use and railroad tracks and vacant land beyond	Roadway, with Circle St and possible brick residence beyond	Buildings identified as Otis Lumber Co.
1910	Plat Map	Strip of vacant land, with railroad tracks and Piano Case & Back Factory beyond (including "Dry Kilns")	A wood-frame building, a stone building, and a brick building (uses unknown), with railroad tracks and a large wood-frame building of unknown use beyond	Roadway, with Circle St and "A Faber Co. Carriages & Autos" beyond	Buildings identified as Otis Lumber Co. & Wm. B. Morse
1911	Sanborn Map	Railroad tracks, with "The Phelps, & Lyddon Co., Mfrs of Piano Cases" beyond	A store and buildings associated with the "Pritchard Stamping Co. Ware Ho."	Not included on map	Numerous buildings associated with Otis Lumber Co. (including lumber sheds, sash & door warehouse, dry kiln, stainless shed, etc.)
1912	Sanborn Map	Not included on map	Not included on map	E. Main St., with "A. Faber Company, Mfrs of Sulkies & Auto. & Carriage Repairing" (including trimming, office, painting, woodworking, small machine & woodworking shop) beyond	Not included on map
1918	Plat Map	Strip of vacant land, with railroad tracks and Monroe Warehouse Company, Inc. beyond	A wood-frame building of unknown use, a stone building labeled "Garage", and a brick building of unknown use, with railroad tracks and a building labeled "Comstock Lumber" beyond	Roadway, with Circle St and "A Faber (Faber Sulky) Co." beyond	Buildings identified as Otis Lumber Co.

5.0 RECORDS REVIEW (Cont.)

1926	Plat Map	Strip of vacant land, with railroad tracks and wholesale grocer beyond	A stone building labeled "Garage" and a brick building of unknown use, with railroad tracks and building labeled "Comstock Lumber" beyond	Roadway, with Circle St and "Staub & Son Inc."* beyond	Buildings identified as Otis Lumber Co.
1930	Aerial Photo	Railroad tracks with apparent commercial building beyond	Apparent commercial buildings with railroad track and apparent a commercial building beyond	Roadway, with roadway and apparent commercial building beyond	Apparent commercial buildings
1935	Plat Map	Strip of vacant land, with railroad tracks and Railford Corporation beyond	A stone building labeled "Peerless Garage" and a brick building of unknown use, with railroad tracks and building labeled "LA Comstock Lumber" beyond	Roadway, with Circle St and "Staub & Son Inc. Cleaners"* beyond	Buildings identified as Otis Lumber Co. and Wm. B. Morse Lumber Co.
1938	Sanborn Map	Not included on map	Not included on map	Roadway, with Circle St. and "Staub & Son Inc. Laundry & Dry Cleaning"* beyond, including pressing, office, laundry, dyeing & finishing, cleaning, rug cleaning, and two solvent tanks and one "GT" (gas tank)	Not included on map
1950	Sanborn Map	Railroad tracks, with auto accessories warehouse (including a "GT" [gasoline tank]) beyond	Buildings associated with "Langie Fuel Service, Inc.", including "underground structure", with railroad tracks and Herrick Lumber yard beyond	E. Main St., with Circle St. and "Staub & Son Inc. Laundry & Dry Cleaning"* beyond, including pressing, office, laundry, dyeing & finishing, cleaning areas, rug cleaning, two solvent tanks, and one "GT" (gas tank)	Numerous buildings associated with Otis Lumber Co. (including lumber warehouse, lumber sheds, sash & door warehouse, dry kiln, stainless shed, etc.)
1951	Aerial Photo	Railroad tracks, with apparent commercial building beyond	Apparent commercial buildings with railroad track and apparent commercial building beyond	Roadway, with roadway and apparent commercial building beyond	Apparent commercial buildings

5.0 RECORDS REVIEW (Cont.)

1961	Aerial Photo	Railroad tracks, with apparent commercial building beyond	Apparent commercial buildings with railroad track and an apparent commercial building beyond	Roadway, with roadway and apparent commercial building beyond	Apparent commercial buildings
1970	Aerial Photo	Railroad tracks, with apparent commercial building beyond	Apparent commercial buildings with railroad track and an apparent commercial building beyond	Roadway, with roadway and apparent commercial building beyond	Apparent commercial buildings
1971	Sanborn Map	Railroad tracks, with apparent warehouse beyond	A store including a freezer and cooler, an apparent commercial building of unknown use, and an "underground structure"; with railroad tracks beyond with an auto service facility, an auto garage, a storage building, an auto repair facility (with a spray booth), a warehouse and a garage (with a "GT" [gas tank]) beyond.	E. Main St., with Circle St. and "Staub & Son Inc. Laundry & Dry Cleaning"* beyond, including pressing, office, laundry, dyeing & finishing, cleaning, rug cleaning, two solvent tanks, and one "GT" (gas tank)	Numerous buildings associated with Otis Lumber Co. (including lumber warehouse, lumber sheds, sash & door warehouse, dry kiln, stainless shed, paint & office, etc.)
1980	Aerial Photo	Railroad tracks, with apparent commercial building beyond	Apparent commercial buildings with railroad track and an apparent commercial building beyond	Roadway, with roadway and apparent commercial building beyond	Apparent commercial buildings
1988	Aerial Photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo
1993	Aerial Photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo
1993	Aerial Photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo
1996	Aerial Photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo
1999	Aerial Photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo	Similar to 1980 aerial photo
2015	Aerial Photo	Railroad tracks, with commercial buildings beyond	Vacant land, with railroad tracks beyond and a commercial building beyond the railroad tracks	Roadway, with vacant land and commercial building beyond	Commercial buildings, parking lot, and vehicle/possible equipment storage

* Indicates a historical use that is being identified as a recognized environmental condition in relation to the assessed property (refer to Section 9.0).

5.0 RECORDS REVIEW (Cont.)

(5.5.2.2) Directories

Following is a summary of commercial listings of adjoining properties in the directories reviewed (i.e., searched at approximate five-year intervals):

951 E. Main St. (Adjoining to South and Southeast Across E. Main St.)

Year	Listing
1923 to 1932	Staub & Son, Inc., cleaners & dyers
1935 to 1956	Staub & Son Inc., clnrs
	Sterling Cleaners, Inc.
1961	Staub Cleaners, Inc.
	Staub & Son, Inc., clns & furriers
1966	Staub Cleaners, Inc.
1971	Staub Cleaners, Inc.
	Staub and Son, Inc., real est.
1976 to 1984	Staub Cleaners, Inc.
	Staub & Son, Inc., real est.
	Staub Garment Rental
	Staub Linen Service
1986	Staub Textile Services Inc., linen supply
	Staub & Son Inc., real est
	Staub Garment Rental
	Staub Linen Service
1991	Staub Textile Services Inc., dry cln
	Staub Garment Rental
	Staub Linen Service
1997	Staub's
2001	Bar-Mark Enterprises, rental store genl
2006	Ben Barnet Cleaners, cleaners
2011	Ben Barnet Cleaners, cleaners
	Turgeon Donna

The historical use of this property as a dry cleaner contributes to the identification of this adjoining upgradient property as a recognized environmental condition in relation to the assessed property (refer to Section 9.0).

936 E. Main St. (Adjoining to West)

This property was used as a lumber company (i.e., Otis Lumber Company and/or Morse Wm. B. Lumber Company) from at least 1923 to at least 2001. This address was not listed in the 2006 or 2011 directories. Information has not been obtained as part of this assessment that indicates that the historical uses of this adjoining property has had an environmental impact on the assessed property.

5.0 RECORDS REVIEW (Cont.)

1030 E. Main St. (Adjoining to East Across Railroad Tracks)

This property was identified as a lumber company (i.e., Comstock Lumber Company and/or Herrick Lumber Company) from at least 1923 to at least 1952, and as an auto repair facility (i.e., Rabe's Complete Auto Service, Inc. or Westcott Truck & Equipment Company) from at least 1961 to at least 2001. In addition, this property was identified as Budget Truck Rental, Marketview Heights Garage, and U-Haul Neighborhood Dealer (trailer hitches) in at least 2011. Note, this property was listed as vacant in 1956, and was not listed in 2006.

Based on location of this property (i.e., assumed crossgradient direction, lower in elevation, and on the opposite side of railroad tracks), this site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

45-55 Railroad St. (Adjoining to East/Northeast Across Railroad Tracks)

This property was identified as a warehouse, a grain company, a grocer, a carting company, a panel company, an auto accessories company, a plumbing contractor, a storage facility, an auto repair facility, a business products company, a distribution center, retail facilities, and apartments in the directories reviewed.

Based on the location of this property (i.e., assumed crossgradient/downgradient direction, lower in elevation, and on the opposite side of railroad tracks), this site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

85-97 Railroad St. (Adjoining to North Across Railroad Tracks)

This property was identified as a sash door/trim company, an oil company, cleaning compounds companies, a coffee roaster, an apparent shipping/trucking company, an auto accessories company, offices, a manufacturing company, a paper company, an auto parts company, a pallet company, retail facilities, and a brewery.

Based on location of this property (i.e., assumed crossgradient/downgradient direction, lower in elevation, and on the opposite side of railroad tracks), this site is not being identified as a recognized environmental condition in relation to the assessed property at this time.

5.6 ENVIRONMENTAL LIENS, OR ACTIVITY AND USE LIMITATIONS

DAY retained the services of Environmental Risk Information Service (ERIS) to provide a report of publicly available, readily ascertainable information regarding environmental liens, and activity and use limitations, regarding the three parcels that comprise the

5.0 RECORDS REVIEW (Cont.)

assessed property. The ERIS report indicated that no environmental liens or activity and use limitations were found for the three parcels that comprise the assessed property. Based on the information summarized in the ERIS report, the environmental liens and activity and use limitation review did not identify recognized environmental conditions at the assessed property.

A copy of the ERIS report regarding environmental liens, and activity and use limitations is included in Appendix G.

5.7 PREVIOUS ENVIRONMENTAL REPORTS AND DOCUMENTS

DAY inquired about the existence of previous environmental reports with Mr. Brian Miller (a representative of the Client and the property owner). Mr. Miller indicated that DAY previously prepared a report related to the closure of a methanol UST on the assessed property. A copy of this report was retrieved from DAY's files, and is summarized below.

(5.7.1) Summary of Previous Reports/Documents

Report Title: Underground Storage Tank Closure Report
Report Date: February 2000
Prepared by: Day Environmental, Inc.
Prepared for: Rochester Steel Treating Works, Inc.

DAY was retained by RSTW to document the in-place closure of a 1,045-gallon underground storage tank (UST) containing methanol. (Note: CBS Facility #8-000175 Facility Information Report (FIR) identifies the one 1,050-gallon tank containing methanol as an AST in a subterranean vault with access for inspection). The report indicates that the UST was used by RSTW as part of a pressurized system to deliver methanol to heat-treating furnaces within its facility. The methanol UST was located adjacent to an actively used pressurized AST containing nitrogen. Following completion of a structural assessment, it was concluded that removal of the methanol UST could compromise the structural integrity of adjacent structures, and in-place closure of the methanol UST was recommended. Relevant information provided in the report is provided below:

- On December 23, 1999, the methanol UST was visually inspected and then rinsed to remove possible residual product from the tank walls and bottoms. Subsequent to the wash/rinse procedure the tank was filled with K-Crete

- On January 19, 2000 DAY advanced four test borings to a maximum depth of eight feet (ft.) below ground surface (bgs), which was below the invert of the methanol UST (i.e., 6.2 ft. bgs). The subsurface materials consisted of tan to dark brown fill comprised of sand, silt, gravel, cinders, gravel, ash, wood, and glass extending from the ground surface to a depth of approximately 5.0 to 7.0 ft.

5.0 RECORDS REVIEW (Cont.)

A silty clay, gravel and sand deposit (i.e., potentially glacial till) was encountered beginning at a depth of about 5.0 to 7.0 ft.

- Evidence of unusual staining or odors and elevated readings on the flame ionization detector (FID) were not encountered in the soil samples collected from the test borings.

- Two soil samples were collected from the test borings and submitted to Columbia Analytical Services, Inc. (CAS) for methanol testing. Methanol was not detected above laboratory detection limits for either of the samples tested.

It was concluded that based on the work completed and the results of the analytical testing performed, the methanol UST had been appropriately closed and that further study or remediation in relation to the tank closure was not warranted at that time.

5.8 VAPOR MIGRATION

The potential for vapor migration onto or at the assessed property was evaluated based on the information that was obtained as part of this assessment. The potential for vapor migration is being identified as a recognized environmental condition in relation to the assessed property at this time based on the information presented below:

- The current and historic uses of the assessed property, including:

    - The assessed property has had a TCE degreaser in the building since the 1950s (refer to section 7.0).

    - The assessed property has been used as/improved with a coal yard, a planning mill, an auto repair facility (including an auto painting lacquer spraying operation), a machine shop, a boiler room, a heat treating operation, an insecticide company, a plumbing company, a sign company, and a printer (refer to Section 5.5.1).

    - The assessed property is identified as a RCRA Generator of hazardous waste, a Chemical Bulk Storage (CBS) facility, a Federal Underground Storage Tank (UST) facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.16, 5.1.22 and 5.2.2).

- The adjoining property to the south and southwest of the assessed property (i.e., assumed upgradient direction) across East Main Street (i.e., Staub's Textiles at 951 East Main Street) is identified as active large quantity RCRA Generator of hazardous waste (LQG) Site #NYD013140066, NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS) #828160, NYSDEC Petroleum Bulk Storage (PBS) Facility #8-445029, NYSDEC Chemical Bulk Storage (CBS) Facility #8-000250, NYSDEC Brownfield Clean-Up Program (BCP) Site #C828160, Federal

5.0 RECORDS REVIEW (Cont.)

Underground Storage Tank (UST) Facility #8-001639, and NYSDEC Spill/LST site #s 9800145, 0900897, and 1110636 (refer to Sections 5.1.9, 5.1.11, 5.1.14, 5.1.16, 5.1.19, 5.1.22, and 5.2.2).

6.0 SITE RECONNAISSANCE

Date of Site Visit: May 20, 2016
Assessor(s): Heather McLennan and Sean Reese

6.1 METHODOLOGY AND LIMITING CONDITIONS

During the site visit, Mr. Brian Miller and Mr. Keith Heiden (i.e., the Chief Operating Officer and the Technical Director of the assessed property, respectively) accompanied the DAY representatives, provided access to the assessed building, and delineated the property boundaries.

The DAY representatives observed the interior portions of the assessed building, walked the perimeter of the assessed property, and walked the remainder of the assessed property in transects.

One storage shed located on the north exterior of the assessed property was not accessible during the site visit (i.e., it was locked and a key was not available). The storage shed reportedly contains salt and sta-dri absorbent (refer to Section 7.1). This assessment is subject to any state of facts that observation of the interior of this storage shed would have revealed.

6.2 GENERAL SITE SETTING

At the time of the site visit, the assessed property was developed with an industrial facility that treats (i.e., anneals, hardens, straightens, etc.) steel. The owner/occupant of the facility (i.e., Rochester Steel Treatment Works, Inc.) has owned/occupied the assessed property since the 1950s. An office area is located in the southeast portion of the building, and the manufacturing areas are located in the remainder of the building. A grassed area is located east of the assessed building, a paved parking area is located south of the building, and a paved access drive is located west of the building. A concrete covered patio/storage shed area is located north of the building. In addition, three sheds were located on the northern portion of the assessed property (i.e., access was not gained to one of the sheds at the time of the site visit).

6.3 EXTERIOR OBSERVATIONS

(6.3.1) Hazardous Substances — **Recognized Environmental Condition Identified**

Refer to Section 6.3.2.

(6.3.2) Storage Tanks — **Recognized Environmental Condition Identified**

The following aboveground storage tanks (ASTs) were observed on the exterior of the assessed property at the time of the site visit:

6.0 SITE RECONNAISSANCE (Cont.)

- Two 110-gallon aboveground storage tanks (ASTs) containing trichloroethylene (TCE) are located on the western exterior of the assessed building. The TCE ASTs are located in a secondary concrete containment system which is located within a metal cage. No evidence of leakage or staining was observed in the area of the TCE ASTs. The TCE ASTs were reportedly installed in the early 1990s (refer to Section 7.1).

- One 500-gallon AST containing ammonia is located on the southern exterior of the assessed building. The ammonia AST is located above a steel secondary containment system. This AST was reportedly manufactured in 1968, and was installed at least 40 years ago (refer to Section 7.1).

- One 11,000-gallon AST containing nitrogen is located on the southeast exterior of the assessed building. The 11,000-gallon nitrogen AST reportedly replaced a 9,000-gallon nitrogen AST in 2013 which was located south of the building (refer to Section 7.1).

The presence of two ASTs containing TCE contributes to the identification of the current and former uses of the assessed property as a recognized environmental condition (refer to Section 9.0).

(6.3.3) Odors — **Recognized Environmental Condition Not Identified**

No odors were noted.

(6.3.4) Pools of Liquid — **Recognized Environmental Condition Not Identified**

No pools of liquid were observed.

(6.3.5) Drums and Containers — **Recognized Environmental Condition Not Identified**

No drums and containers were observed.

(6.3.6) Electrical or Hydraulic Equipment Known or Likely to Contain PCBs — **Recognized Environmental Condition Not Identified**

One pad-mounted transformer was observed on the south exterior of the assessed building. The transformer is reportedly the property of RG&E, and a fire reportedly occurred at a previous transformer in this location in 1997 (refer to Section 7.1). The fire did not result in oil leakage. After the fire, the transformer was replaced. No leaks or spills were observed on the casing or in the vicinity of the pad-mounted transformer

6.0 SITE RECONNAISSANCE (Cont.)

at the time of the site visit. Thus, this pad-mounted transformer is not being identified as a recognized environmental condition at this time.

(6.3.7) Pits, Ponds or Lagoons — **Recognized Environmental Condition Not Identified**

No pits, ponds or lagoons were observed.

(6.3.8) Stained Soil or Pavement — **Recognized Environmental Condition Not Identified**

No stained soil or pavement was observed.

(6.3.9) Stressed Vegetation — **Recognized Environmental Condition Not Identified**

No stressed vegetation was observed.

(6.3.10) Solid Waste — **Recognized Environmental Condition Not Identified**

Solid waste generated on the assessed property is stored in a dumpster located south of the assessed building. It was reported that solid waste is picked up for disposal off the assessed property by Waste Management (refer to Section 7.1).

(6.3.11) Wastewater — **Recognized Environmental Condition Not Identified**

No wastewater discharge was observed.

(6.3.12) Wells — **Recognized Environmental Condition Not Identified**

No surficial evidence of wells was observed.

(6.3.13) Septic System — **Recognized Environmental Condition Not Identified**

No surficial evidence of a septic system was observed.

(6.3.14) Fill Materials — **Recognized Environmental Condition Identified**

No surficial evidence of fill materials was observed. Reportedly, fill material was used to backfill the basement of hotel that was demolished on the southeast portion of the assessed property. It was also reported that fill material was likely brought to the

6.0 SITE RECONNAISSANCE (Cont.)

assessed property to raise the grade of the southern portion of the building during construction of the bridge that is located southeast of the assessed property (refer to Section 7.1). Information was not available/obtained regarding the source or the extent of the fill material. Therefore, fill material is being identified as a recognized environmental condition in relation to the assessed property.

(6.3.15) Debris/Dumping — **Recognized Environmental Condition Not Identified**

No surficial evidence of debris/dumping was observed.

(6.3.16) Equipment — **Recognized Environmental Condition Not Identified**

No equipment was observed.

(6.3.17) Drains — **Recognized Environmental Condition Identified**

At the time of the site visit, a catch basin was observed on the assessed property, southwest of the assessed building. In addition, a trench drain was observed south of the bay door located on the western portion of the building. The trench drain was in proximity to the TCE ASTs. No stains or odors were observed in the area of the catch basin or trench drain at the time of the site visit. The catch basin and trench drain reportedly discharge to the sanitary sewer system (refer to Section 7.1). The presence of drains on the exterior of the assessed property contributes to the identification of the current and former uses of the assessed property as a recognized environmental condition (refer to Section 9.0).

(6.3.18) Material Storage — **Recognized Environmental Condition Not Identified**

No material storage was observed.

6.4 INTERIOR OBSERVATIONS

(6.4.1) Hazardous Waste — **Recognized Environmental Condition Identified**

Hazardous waste is staged in drums in a caged area located in the northwest portion of the assessed building. At the time of the site visit, drums located in the hazardous waste staging area included four drums of waste TCE, one drum of black oxide sludge, one drum of non-hazardous sta-dry, and one drum of Coolan Rust Inhibitor. The hazardous waste is reportedly removed by Solvents and Petroleum Service, Inc., with the exception of the black oxide sludge which is removed by Clean Harbours (refer to Section 7.1). In addition, one 55-gallon drum of "used vacuum pump oil" located in a

6.0 SITE RECONNAISSANCE (Cont.)

plastic secondary containment system, and one five-gallon pail used to collect condensed oil (refer to Section 7.1), were located in the vacuum pump room. Also, one 55-gallon drum labelled "Pen Dip 150 + Water" was mounted horizontally on stilts in the black oxide line area with a five-gallon pail labelled "Black Oxide Transfer Bucket Water/Oil Mix" located beneath it. The pail was located on a metal and rubber mat. No stains or spills were observed in these areas at the time of the site visit. The current and former presence of hazardous waste use and staging in the assessed building contributes to the identification of the current and former uses of the assessed property as a recognized environmental condition (refer to Section 9.0).

(6.4.2) Storage Tanks — Recognized Environmental Condition Identified

One TCE vapor degreaser (reported capacity of 54 gallons) is located in the southwest portion of the assessed building. The TCE vapor degreaser is located in a pit approximately four feet below the floor surface. It was reported that the TCE vapor degreaser was formerly located east of the current location (refer to Section 7.1).

One quench oil tank is located in Vacuum Furnace Tank #1, and one quench oil tank (500 gallon) is located in each of the three ATM Furnace Process Tanks. In addition, a quench oil tank and a quench solution (brine) tank are located in proximity to a pit furnace. (Note, the pit furnace and associated quench oil tank and quench brine tank are located partially below the grade of the floor; hence, possible leakage in these areas could not be fully assessed.)

Also, two aboveground quench oil tanks (less than 100 gallons) and one aboveground quench solution (brine) tank (100 gallons or less) are located in the northern portion of the assessed building, in the reported former location of the black oxide line (refer to Section 7.1).

Reportedly, a 2,000-gallon quench oil AST was formerly located in the southeastern portion of the building. This quench oil AST was removed in approximately 1975 (refer to Section 7.1).

The presence of the TCE vapor degreaser, the historical presence of quench oil tanks, as well as tanks that are partially located below the grade surface, contribute to the identification of the current and former uses of the assessed property as a recognized environmental condition (refer to Section 9.0).

(6.4.3) Odors — Recognized Environmental Condition Not Identified

No odors were detected.

6.0 SITE RECONNAISSANCE (Cont.)

(6.4.4) Pools of Liquid — **Recognized Environmental Condition Not Identified**

No pools of liquid were observed.

(6.4.5) Drums and Containers — **Recognized Environmental Condition Not Identified**

The following drums/containers were observed in the assessed building at the time of the site visit:

- Two 55-gallon drums of hydrochloric acid, two 55-gallon drums of Pen Dip 150, three 55-gallon drums of UniKleen DW, two 55-gallon drums of Penetrates Ultra, and one drum labelled "sludge waste" were observed to the west of the black oxide line located in the northeast portion of the assessed building.

- A 15 ¾-oz container of penetrating oil, a one-gallon container of fiberglass resin, a 22-oz. container of Spray Nine, a one-quart container of acetone, and a 2-oz. container of stamp ink were observed on shelves in the vacuum room that is located in the eastern portion of the assessed building.

- Water treatment chemicals used in the evaporative vacuum furnace systems included one five-gallon pail of Met CL-270, two five-gallon pails of Justeq-07, one five-gallon pail of Kathon Wt Biocide, and one five-gallon pail of Vaporene 9200.

- A 900-gallon plastic tote of quench oil and a 55-gallon drum of quench Oil Accelerator were stored on metal shelves in the northern portion of the building.

- Numerous containers of maintenance supplies including paints (spray paint and one-quart to one-gallon cans), penetrating oil, acetone, Spray Nine, Engine Starting Fluid, Household Oil, windshield washer fluid, and gasket sealant were observed on shelves located in a shed located north of the assessed building.

Stains or spills were not observed in the locations of these drums and containers at the time of the site visit. Thus, the current presence of these drums and containers on the assessed property is not being identified as a recognized environmental condition at this time.

(6.4.6) Electrical or Hydraulic Equipment Known or Likely to Contain PCBs — **Recognized Environmental Condition Not Identified**

No equipment of this nature was observed.

6.0 SITE RECONNAISSANCE (Cont.)

(6.4.7) Heating/Cooling — **Recognized Environmental Condition Not Identified**

The heating system is fueled by natural gas.

(6.4.8) Stains or Corrosion — **Recognized Environmental Condition Identified**

Various spills and stains (assumed to be petroleum in nature) were observed on the concrete floor areas located in the area of the vacuum furnaces in the eastern portion of the building and in the area of the atmospheric generator furnaces located in the southwest (i.e., original) portion of the building. The spills in the location of the vacuum furnaces were reportedly related to a pumping system in the vacuum furnaces that collects evaporated oil. The evaporated oil is collected in a pail in a central location but small drips of evaporated oil also collect below the evaporative oil piping (refer to Section 7.1). The spills in the location of the atmospheric generator furnaces were reportedly related to dripping from items removed from the quench oil tanks located in the furnaces. At the time of the site visit, absorbent material was observed in the location of the spillage. The stains and spills observed in these areas contribute to the identification of the current and former uses of the assessed property as a recognized environmental condition.

(6.4.9) Floor Drains and Sumps — **Recognized Environmental Condition Identified**

A concrete filled crock was observed in the southeast portion of the assessed building at the time of the site visit. Sealed floor drains (i.e., three metal plates) were observed in the vacuum pump room which were sealed prior to 1984; a trench drain was observed in front of the black oxide line which reportedly does not discharge anywhere; and, floor drains were reportedly located in the former location of the black oxide line which were reportedly sealed when the black oxide line was moved in the late 1980s (refer to Section 7.1). Floor drains in the assessed building are reportedly no longer active (i.e., sealed), but formerly discharged to the sanitary sewer system (refer to Section 7.1). The former presence of floor drains in the assessed building contributes to the identification of the current and former use of the assessed property as a recognized environmental condition.

(6.4.10) Wastewater — **Recognized Environmental Condition Not Identified**

Treated wastewater is discharged from the black oxide line. The discharge point for the treated wastewater is reportedly the municipal sanitary sewer (refer to Section 7.1). The treated wastewater is not being identified as a recognized environmental condition at this time.

6.0 SITE RECONNAISSANCE (Cont.)

(6.4.11) Wells

Recognized Environmental Condition Not Identified

No surficial evidence of wells was observed.

(6.4.12) Equipment

Recognized Environmental Condition Not Identified

The following equipment was observed in the interior of the assessed building at the time of the site visit:

- Vacuum furnaces were observed in the eastern portion of the building.
- Three atmospheric generator furnaces were observed in the southwest portion of the building.
- Sand blasting equipment was observed in the northern portion of the building.
- Three dry furnaces were observed in the western portion of the building.
- A deep freezer is located in the southeast portion of the building.
- A gas nitrator (i.e., a piece of operating equipment) is located in the western portion of the building.
- Three compressors are located in a mezzanine space located in the northern portion of the building.
- Two bus duct transformers (dry type transformers) are located in the assessed building (i.e., one in the southeast portion of the building and one in the northern portion of the building).

Evidence of leakage/spillage was not observed in the area of this equipment at the time of the site visit. Thus, this equipment is not being identified as a recognized environmental condition in relation to the assessed property at this time.

(6.4.13) Material Storage

Recognized Environmental Condition Not Identified

Material storage in the assessed building included various treated and untreated steel parts. No stains, spills, or odors were observed in the area of this material storage at the time of the site visit. Thus, this material storage is not being identified as a recognized environmental condition in relation to the assessed property at this time.

6.0 SITE RECONNAISSANCE (Cont.)

6.5 ADJOINING PROPERTIES

Adjoining properties were observed from the assessed property and from public right-of-ways.

North: Railroad, with Black Button Distilling and Rohrback Brewery (85-97 Railroad Street) beyond.

South: East Main Street, with then Circle Street and former Staubs Textile Services Inc. (951 East Main Street) beyond.

East: Grassed area, with railroad beyond and Marketview Heights Garage (1030 East Main Street) and Station 55 (45-55 Railroad Street) beyond the railroad tracks.

West: The Pike Companies (formerly occupied by Otis Lumber) (936 East Main Street).

No obvious recognized environmental conditions were identified on the visible portions of the adjoining properties.

7.0 INTERVIEWS

7.1 OWNER INTERVIEW

Mr. Brian Miller and Mr. Keith Heiden
Chief Operating Officer and Technical Director (respectively)
Dates of Interviews: 5/20/2016 and 6/8/2016

Mr. Miller and Mr. Heiden were interviewed together at the time of the site visit. Mr. Miller indicated that he has worked at the assessed property for approximately 20 years, and Mr. Heiden indicated that he has worked or been associated with the assessed property for approximately 60 years. Mr. Miller and Mr. Heiden also indicated that they have no knowledge of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the assessed property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the assessed property; or any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products in, on, or from the assessed property.

The following is a summary of information provided by Mr. Miller and Mr. Heiden:

- A hotel/restaurant was formerly located on the southern portion of the assessed property, and this building was demolished in approximately 1978. The building had a basement which was backfilled by the contractor who completed the demolition (i.e., Spezio Construction). The source and type of backfill material used is unknown. Various sinkholes in the parking lot have been dug up and refilled in the past 10 years which may be related to these demolition and backfilling activities. In addition, fill material was used by the City of Rochester to raise the southern grade of the assessed property when a new bridge was constructed to the southeast of the assessed property.

- An approximate 1,100-gallon methanol tank was decommissioned in place in 1999. DAY performed this work and has a copy of the report (refer to Section 5.7).

- Solvents and Petroleum Service, Inc. removes various waste (i.e., waste oil, TCE/oil, light bulbs, sta-dry, sand blasting waste). Black oxide sludge is removed by Clean Harbors Environmental.

- The black oxide line was formerly located west of its current location. When the black oxide line was moved in the late 1980s, floor drains in the area of the former line were sealed. The trench drain in front of the current black oxide line is not in use, and has never discharged anywhere.

- Treated wastewater is discharged from the black oxide line. The discharge point for the treated wastewater is the municipal sanitary sewer.

- The floor drains in the vacuum pump room were sealed prior to 1984.

7.0 INTERVIEWS (Cont.)

- The floor drains in the assessed building are no longer active, but formerly discharged to the sanitary sewer system.
- A pumping system in the vacuum furnaces collects evaporated oil. The evaporated oil is collected in a pail in a central location but small drips of evaporated oil also collect below the evaporative oil piping.
- The exterior catchbasin and trench drain on the assessed property discharge to the sanitary sewer system.
- The TCE degreaser was formerly located east of its current location. Mr. Heiden was unsure of the years during which the TCE degreaser was located in the alternate location. There has been a TCE degreaser in the building since the 1950s.
- The TCE ASTs had been installed along with the secondary containment system in the early 1990s.
- The 11,000-gallon nitrogen AST replaced a 9,000-gallon nitrogen AST, which was located south of the building in 2013.
- A 2,000-gallon quench oil AST was formerly located in the southeastern portion of the building. This quench oil AST was removed in approximately 1975.
- The ammonia tank was manufactured in 1968 and has been present at the assessed property for at least 40 years.
- The pad-mounted transformer is the property of RG&E. A fire reportedly occurred at a transformer in this location in 1997. No oil was released, and RG&E replaced the former transformer with the current transformer subsequent to the fire.
- Solid waste is picked up for disposal off the assessed property by Waste Management.
- The shed located on the north portion of the assessed property that was locked at the time of the site visit was used for storage of salt and sta-dri absorbent

Documentation of the interview conducted with Mr. Miller and Mr. Heiden is included in Appendix E.

8.0 ADDITIONAL ISSUES/SERVICES / ASTM NON-SCOPE CONSIDERATIONS

At the Client's request, DAY did not include an evaluation of the following ASTM non-scope considerations as part of this Phase I ESA.

8.1	Asbestos-Containing Materials	Not assessed.
8.2	Radon	Not assessed.
8.3	Lead-Based Paint	Not assessed.
8.4	Lead-in-Drinking Water	Not assessed.
8.5	Wetlands	Not assessed.
8.6	Regulatory Compliance	Not assessed.
8.7	Cultural and Historic Resources	Not assessed.
8.8	Industrial Hygiene	Not assessed.
8.9	Health and Safety	Not assessed.
8.10	Ecological Resources	Not assessed.
8.11	Endangered Species	Not assessed.
8.12	Indoor Air Quality	Not assessed.
8.13	Biological Agents	Not assessed.
8.14	Mold	Not assessed.

9.0 FINDINGS / OPINIONS

The following summarizes the significant findings based on the information gathered as part of this Phase I ESA:

9.1 Recognized Environmental Conditions

The ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13, defines a recognized environmental condition as "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to a release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

Presented below is a summary of the recognized environmental condition(s) identified at the assessed property as part of this Phase I ESA:

(9.1.1) Current and Former Uses of the Assessed Property

The assessed property has been owned/occupied by Rochester Steel Treating Works Incorporated since the 1950s. The information provided below contributes to the identification of the current and former uses of the assessed property as a recognized environmental condition:

- Aboveground storage tanks (ASTs) containing trichloroethylene (TCE) are located on the western exterior of the assessed building (refer to Section 6.3.2). In addition, a TCE degreaser is located in the southwest interior of the building (refer to Section 6.4.2). The TCE degreaser was formerly located east of its current location (refer to Section 7.1).

- Hazardous waste, including waste TCE, is used and staged within the assessed building (refer to Section 6.4.1).

- Various tanks containing quench oil are located throughout the assessed building, including a tank that is located partially below grade surface (refer to Section 6.4.2).

- Various spills and stains (assumed to be petroleum in nature) were observed on the concrete floor areas in the locations of the vacuum furnaces in the eastern portion of the assessed building (refer to Section 6.4.8). The spills were reportedly related to a pumping system in the vacuum furnaces that collects evaporated oil (refer to Section 7.1).

- A concrete filled crock was observed in the southeast portion of the assessed building. In addition, floor drains were formerly present in the assessed building that discharged to the sanitary sewer system (refer to Sections 6.4.9 and 7.1).

- A catch basin and trench drain are located on the exterior of the assessed building. The trench drain is located in proximity to the TCE ASTs (refer to Section 6.3.17).

9.0 FINDINGS / OPINIONS (Cont.)

- The assessed facility is identified as an active large quantity RCRA Generator of hazardous waste (LQG) (Site #NYD002220457). Copies of the annual reports of waste generation were obtained from the NYSDEC Manifest website, which indicate that this facility has been a RCRA generator since at least 1982 (refer to Section 5.1.9).

- The assessed property was identified in the NYSDEC Chemical Bulk Storage database as CBS Facility #s 8-000124, 8-000338, and 8-000175 (refer to Section 5.1.16).

- The assessed property was identified in the Federal Underground Storage Tank (UST) database as Facility #s 8-000010 and 8-001524 (refer to Section 5.1.22). Information regarding the status of these reported USTs was not obtained as part of this assessment.

- Four closed/inactive spills were listed for the assessed property (i.e., closed spills #859988, #8503403, and #8604022) and inactive spill #1006842 (refer to Section 5.2.1).

- Fill material was reportedly used to backfill the basement of a hotel that was demolished on the southeast portion of the assessed property (refer to Section 7.1). It was also reported that fill material was likely brought to the assessed property to raise the grade of the southern portion of the assessed property during construction of the bridge that is located southeast of the assessed property. Information was not available/obtained regarding the source or the type of the fill material.

- A review of historical resources indicates that the assessed property was formerly improved by/used as a coal yard/coal shed, a planing mill, auto repair (including auto painting), an insecticide company, a sign company, and a printer (refer to Section 5.5.1).

It is DAY's opinion that additional investigation is necessary to evaluate whether possible contamination related to the current and former operations on the assessed property have impacted the assessed property. This investigation may include, but not be limited to, subsurface explorations; sampling/analysis of soil, groundwater, and/or soil vapor; evaluating vapor migration and/or indoor air in the assessed building; etc.

(9.1.2) Historical Use/Regulatory Listings of the Adjoining Property to the South/ Southwest

Staub Textile Services Inc. at 951 East Main Street adjoins the assessed property to the south and southwest (i.e., assumed upgradient direction) across East Main Street. This adjoining property is identified as an active large quantity RCRA Generator of hazardous waste, a NYSDEC Inactive Hazardous Waste Disposal Site, a NYSDEC Petroleum Bulk Storage (PBS) facility, a NYSDEC Chemical Bulk Storage (CBS) facility, a NYSDEC Brownfield Clean-Up Program (BCP) Site, a Federal Underground Storage Tank (UST)

9.0 FINDINGS / OPINIONS (Cont.)

facility, and a NYSDEC Spill/Leaking Storage Tank (LST) site (refer to Sections 5.1.9, 5.1.11, 5.1.14, 5.1.16, 5.1.19, 5.1.22, and 5.2.2). The NYSDEC Site Record regarding the IHWDS listing of this site states, "This site has a 70-year history of use as an industrial laundry and dry cleaning service. The primary contaminant of concern at the site is tetrachloroethene (PCE). PCE (9470) detected in soil samples collected at the southern part of the site, substantially exceed soil cleanup objectives, unrestricted of 1.3 ppm for PCE. Groundwater sampling, also at the southern part of the site, has revealed that concentrations of PCE (118,000 ppb) and trichloroethene TCE (22,100 ppb) detected in groundwater samples substantially exceed NYS Class GA groundwater standard of 5 ppb for both PCE and TCE. Investigation is continuing. An IRM was implemented in 2013 to extract contamination from the source area beneath the building and destroy the contaminants of concern...NYSDOH and NYSDEC will conduct additional investigations to determine the potential for soil vapor intrusion into structures." Based on the information presented above, this adjoining property is being identified as a recognized environmental condition in relation to the assessed property.

It is DAY's opinion that additional investigation is necessary to evaluate whether contamination associated with this adjoining property has environmentally impacted the assessed property. This investigation may include, but not be limited to, submitting FOIL requests to the NYSDEC and NYSDOH to obtain information about the status of the investigations and remediation conducted at this adjoining property; subsurface explorations; sampling/analysis of soil, groundwater, and/or soil vapor; evaluating vapor migration and/or indoor air in the assessed building; etc.

9.2 Notes

The notes provided below identify special property conditions, or identify and explain environmental aspects which may be of environmental interest, but which are not being identified as recognized environmental conditions in relation to the assessed property at this time.

(9.2.1) Regulatory Listings of Nearby Properties

In addition to the regulatory listings of the assessed property and the adjoining property to the south and southwest of the assessed property, as discussed in Sections 9.1.1 and 9.1.2, a review of the regulatory resources discussed in Section 5.1 and 5.2 identified the following regulatory listings of sites that are located on properties that adjoin the assessed property, properties that are located in an upgradient direction in relation to the assessed property, or properties with regulatory listings that are unmappable:

(a) A review of the RCRA generator of hazardous waste database identified Site #NY0000477679 (i.e., Macke Business Products at 55 Railroad Street), which adjoins the assessed property to the east across railroad tracks (i.e., assumed crossgradient/downgradient direction), and is identified as an inactive RCRA Generator of hazardous waste (refer to Section 5.1.9). Based on the location of

9.0 FINDINGS / OPINIONS (Cont.)

this inactive Generator in relation to the assessed property, and since information has not been obtained that indicates that hazardous waste has been released/spilled at this site (i.e., this site is not identified as a CERCLIS site, a NYSDEC Inactive Hazardous Waste Disposal Site, etc.), this adjoining inactive generator facility is not being identified as a recognized environmental condition in relation to the assessed property at this time.

(b) A review of the NYSDEC Inactive Hazardous Waste Disposal Site (IHWDS) database identified Potential (Class P) Site #828164 (i.e., Former Elite Vogue Dry Cleaners at 527-533 East Main Street), which is located approximately 0.5 miles southwest (i.e., assumed upgradient direction) of the assessed property (refer to Section 5.1.11). However, based on the information provided in the Site Record, this Potential IHWDS is not being identified as a recognized environmental condition in relation to the assessed property at this time.

(c) A review of the NYSDEC Petroleum Bulk Storage (PBS) database identified PBS Facility #8-601228 (i.e., Railroad Street Associates, LLC at 55 Railroad Street), which adjoins the assessed property to the east (i.e., assumed crossgradient/ downgradient direction) across railroad tracks. Based on the location of this PBS facility and information obtained as part of this assessment, this adjoining PBS facility is not being identified as a recognized environmental condition in relation to the assessed property at this time.

(d) A review of the NYSDEC Spill/Leaking Storage Tank (LST) database identified the following spills (refer to Section 5.2.2):

- Inactive Spill #8300138 occurred at 55 Railroad Street, which adjoins the assessed property to the east (i.e., assumed crossgradient direction) across railroad tracks, and was reported on 4/20/1983. This spill was assigned an inactive status on 4/20/1983.

- Closed Spill #8380141 occurred at 55 Railroad Street, which adjoins the assessed property to the east (i.e., assumed crossgradient direction) across railroad tracks, was reported on 4/20/1983, and is identified as a duplicate spill (see above).

- Closed Spill #8912436 occurred on the adjoining roadway to the east/southeast (i.e., assumed crossgradient direction) of the assessed property, and was reported on 3/29/1990. This spill was closed on 5/9/1990.

Based on the information obtained as part of this assessment, the three closed/inactive spills discussed above are not being identified as a recognized environmental condition in relation to the assessed property at this time.

- In addition, four closed unmappable spill sites are potentially located within a 0.25-mile radius of the assessed property. [Note: An unmappable spill site is

9.0 FINDINGS / OPINIONS (Cont.)

defined as a spill with incomplete or inaccurate address information provided on the NYSDEC Spill Report Form; therefore, the specific location of the spill site could not be determined.] Three of the closed spills occurred on Main Street, and one of the closed spills occurred on Railroad Street; however, it could not be determined if these closed spills occurred on the assessed property or adjoining properties. Since these four spills were closed by the NYSDEC, and based on the information provided in the SRFs, these four unmappable spills are not being identified as a recognized environmental condition in relation to the assessed property. However, this assessment is subject to any state of facts that would have been revealed if the locations of these spill incidents were known.

(9.2.2) Former Buildings/Demolition Debris

A review of historical information (refer to Section 5.5.1) indicates that several buildings were formerly located on the assessed property that have apparently since been demolished. It was reported that one of these buildings was a hotel that was demolished, and that the basement of this building was filled in (refer to Sections 7.1 and 9.1.1). It is not known whether or not the other former buildings had basements, or if demolition materials were disposed on-site (i.e., by filling in the basements). If the assessed property is ever redeveloped in the future and if demolition debris is encountered, the demolition debris will need to be handled and disposed in accordance with applicable regulations at that time.

10.0 CONCLUSIONS

Day Environmental, Inc. (DAY) performed this Phase I Environmental Site Assessment (Phase I ESA) of 962, 964 and 972-974 East Main Street, City of Rochester, Monroe County, New York (i.e., the assessed property) in general conformance with the scope and limitations of ASTM Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Sections 2.4 and 11.0 of this report. Any additional services provided as part of this Phase I ESA are described in Section 8.0 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the assessed property, except for the following.

- The Current and Former Uses of the Assessed Property; and
- Historical Use/Regulatory Listings of the Adjoining Property to the South and Southwest.

Refer to Section 9.0 for a discussion of the recognized environmental conditions and notes.

11.0 DEVIATIONS / LIMITATIONS

It is DAY's opinion that the deviations and limitations described below consist of information that was not readily ascertainable or practically reviewable during the course of this Phase I ESA.

(11.1) A legal description of the 962 East Main Street parcel was provided in the Environmental Risk Information Service (ERIS) Environmental Lien Search report. Legal descriptions of the 966 East Main Street and 972-974 East Main Street parcels were not provided to DAY. Thus, this assessment is subject to any state of facts that would have been revealed if a legal description of the assessed property were provided.

(11.2) An abstract of title was not provided to assist in determining prior property ownership and uses. Evaluation of property history, and requesting environmental agency information concerning prior owners, are important elements of a Phase I ESA. The conclusions in this report are subject to any state of facts which review of an abstract of title might show, directly or indirectly.

(11.3) ASTM allows the environmental professional to adjust the minimum search distance for regulatory records, if in the opinion of the environmental professional such an adjustment is appropriate. For this Phase I ESA, the approximate minimum search distance for NYSDEC Spills/Leaking Storage Tanks (LSTs) was limited to a radius of 0.25 miles from the assessed property due to the urban density of the setting in which the assessed property is located.

(11.4) As of the date of this report, no response to the Monroe County Department of Health (MCDOH) Freedom of Information Law (FOIL) request has been received. (Note, information requested included MCDOH files regarding the assessed property, and information regarding local waste sites located within a 0.5-mile radius of the assessed property.) Thus, this assessment is subject to any state of facts that receipt of the MCDOH FOIL response would have revealed.

(11.5) As of the date of this report, no response to the City of Rochester Freedom of Information Law (FOIL) request has been received (i.e., Building Department, Fire Department, and Assessor's Office). Thus, this assessment is subject to any state of facts that receipt of the City FOIL response would have revealed.

(11.6) Four closed unmappable spill sites are potentially located within a 0.25-mile radius of the assessed property. [Note: An unmappable spill site is defined as a spill with incomplete or inaccurate address information provided on the NYSDEC Spill Report Form; therefore, the specific location of the spill site could not be determined.] Three of the closed spills occurred on Main Street, and one of the closed spills occurred on Railroad Street; however, it could not be determined if these closed spills occurred on the assessed property or adjoining properties. Since these four spills were closed by the NYSDEC, and based on the information provided in the SRFs, these four unmappable spills are not being identified as a recognized environmental condition in relation to the assessed property. However, this assessment is subject to any state of facts that would have been revealed if the exact locations of these spill incidents were known.

11.0 DEVIATIONS / LIMITATIONS (Cont.)

(11.7) Due to the scale and/or quality of the 1930 through 1999 aerial photographs, details of the assessed property and adjoining properties could not be discerned. Thus, this assessment is subject to any state of facts that would have been revealed if details of the assessed property and adjoining properties could be discerned in these aerial photographs.

(11.8) The readily available historical sources, as summarized in Section 5.5, did not provide information on the use of the assessed property prior to 1875. Therefore, the first developed use of the assessed property could not be determined. Thus, this report is subject to any state of facts that may be revealed through future review of information that was not reasonably ascertainable or practically reviewable during the course of this Phase I ESA that identified the first developed use of the assessed property.

(11.9) One of three storage sheds located on the northern exterior of the assessed property was not accessible during the site visit (i.e., it was locked and a key was not available). The storage shed reportedly contains salt and sta-dri absorbent. This assessment is subject to any state of facts that observation of the interior of this storage shed would have revealed.

(11.10) One quench oil tank (500 gallon) is located in Vacuum Furnace Tank #1, and one quench oil tank is located in each of the three ATM Furnace Process Tanks. In addition, a quench oil tank and a quench solution (brine) tank are located in proximity to a pit furnace. The pit furnace and associated quench oil tank and quench brine tank are located partially below the grade of the floor; hence, possible spillage in these areas could not be fully assessed. Thus, this assessment is subject to any state of facts that would have been revealed if possible spillage in these areas could be fully assessed.

12.0 REFERENCES

1. Aerial Photographs	Monroe County Website Photograph Dates: 1930, 1951, 1961, 1970, 1980, 1988, 1993, 1996, and 1999 NYSGIS Clearinghouse Photograph Date: 2015
2. Topographic Map	United States Geological Survey Rochester East, New York Quadrangle (map date 1978) (Refer to Figure 1)
3. Historical Maps	Rundel Library Plat Maps / Atlases Map Dates: 1875, 1888, 1900, 1910, 1918, 1926, and 1935 Environmental Risk Information Service (ERIS) Sanborn Maps Map Dates: 1911, 1912, 1938, 1950 and 1971
4. Directories	Rundel Library Directory Dates: 1923, 1926-27, 1931-32, 1935-36, 1941, 1946, 1952, 1956, 1961, 1966, 1971, 1976, 1983-84, 1986, 1991, 1997, 2001, 2006 and 2011

13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Day Environmental, Inc.
Heather M. McLennan, Assessor
Phase I ESA Group

The following representatives of DAY also contributed to the completion of this Phase I ESA report:

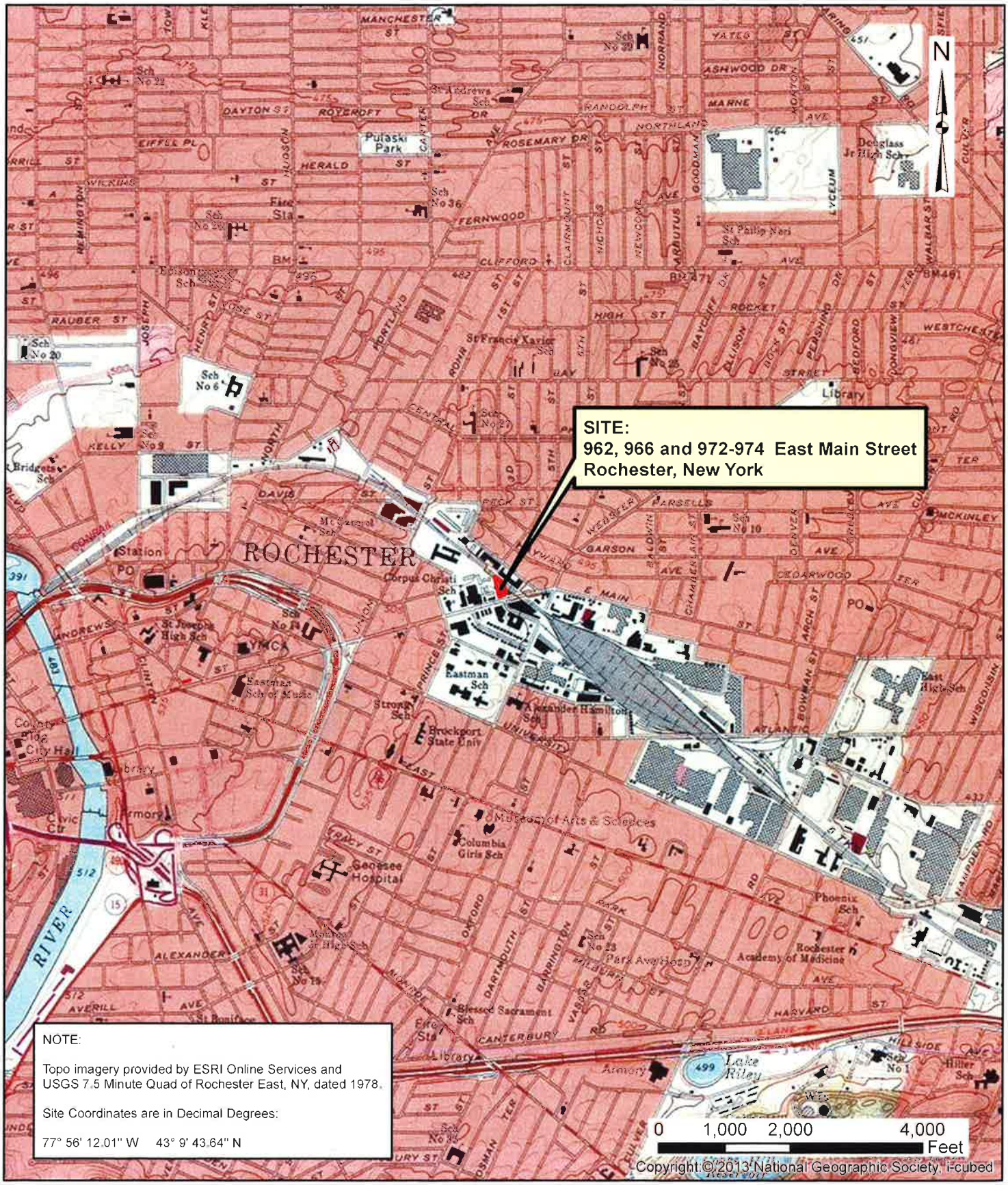
Day Environmental, Inc.
David D. Day, President, Project Reviewer

Day Environmental, Inc.
Sandi M. Miller, Phase I Coordinator

Day Environmental, Inc.
Sean Reese, Engineer

The qualifications of the Environmental Professional and other personnel who conducted portions of this Phase I ESA are presented in Appendix F.

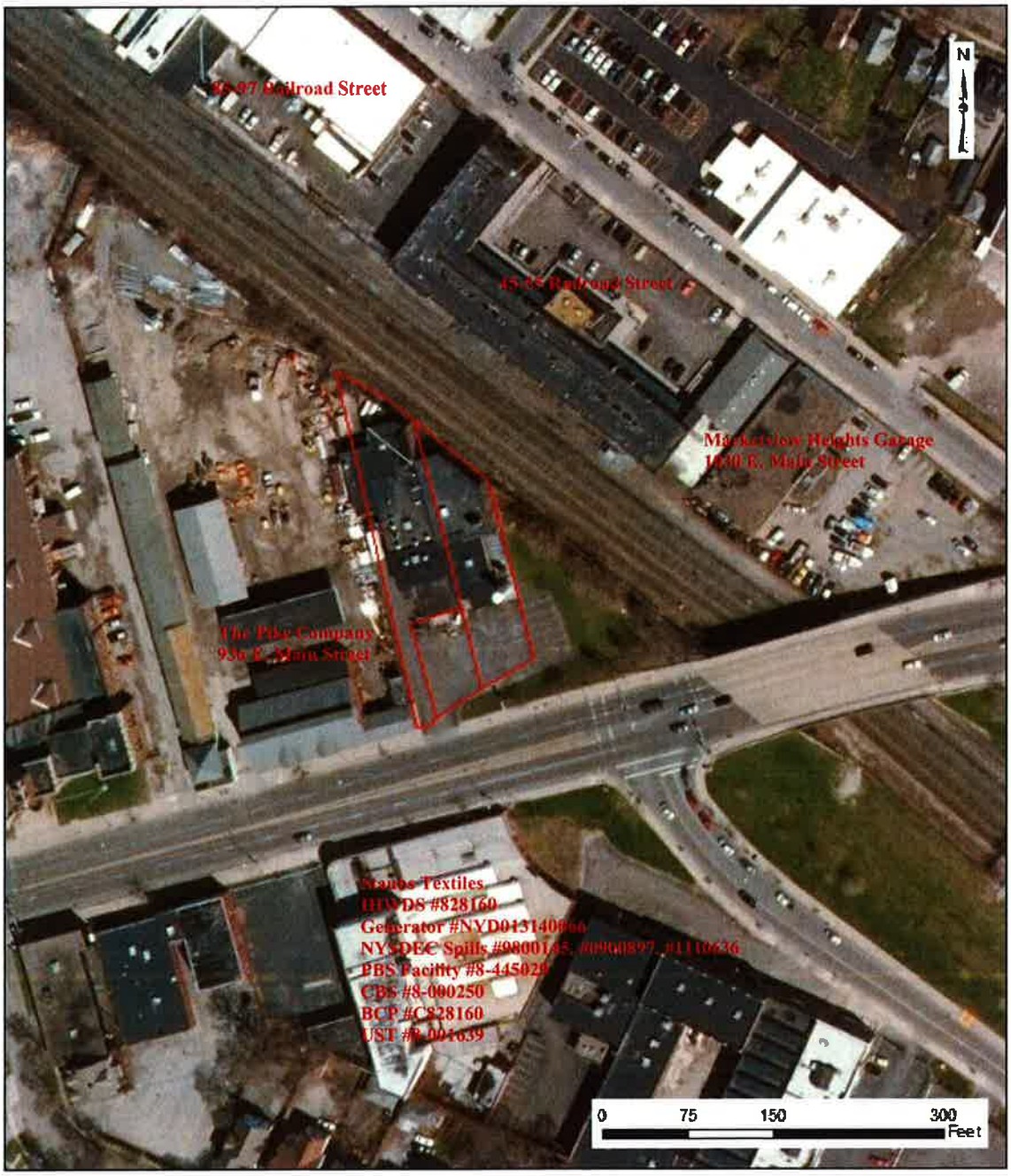
FIGURES



Date: 05-12-2016 Drawn By: CDP Scale: AS NOTED	day DAY ENVIRONMENTAL, INC. Environmental Consultants Rochester, New York 14606 New York, New York 10170	Project Title: ROCHESTER STEEL TREATING WORKS 962, 966 AND 972-974 EAST MAIN STREET ROCHESTER, NEW YORK Drawing Title: Project Locus Map	Project No.: 5248E-16 FIGURE 1

Document Path: \\DAYGIS\GIS_Data\Aerial Locus Maps\5248E-16RSTW Locus.mxd

Last Date Saved: 12 May 2016

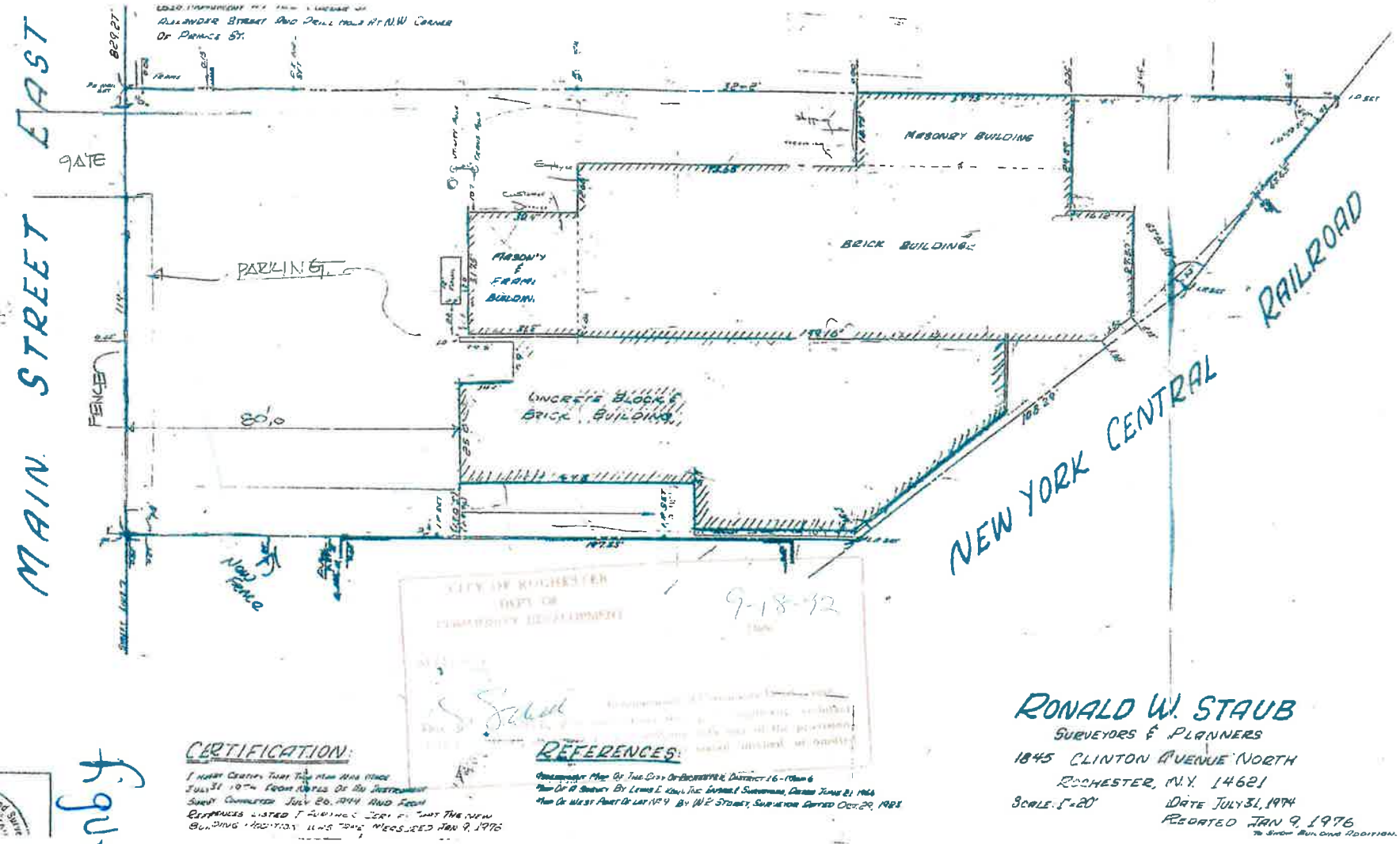


N

Notes:

1) Base photograph provided above was obtained from the NYSGIS Clearinghouse, dated 2015.
2) Site sketch based on observations made at the time of the site visit performed by Day Environmental, Inc. representatives on 5/20/2016.
3) The highlighted area is only a representation of the assessed property, and does not depict the actual property boundaries of the assessed property.

DATE 6/2/2016 DRAWN BY HMM SCALE Not to Scale	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14606	PROJECT TITLE 962, 966, 972-974 East Main Street City of Rochester, New York PHASE I ESA DRAWING TITLE SITE SKETCH	PROJECT NO. 5248E-16 FIGURE 2



CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN WAS MADE JULY 31 1974 FROM NOTES OF AN INSTRUMENT SURVEY COMPLETED JULY 26, 1944 AND FROM REFERENCES LISTED. BUILDING ZERO LOT LINE THE NEW BUILDING LOCATION WAS SURVEYED JAN 9, 1976

REFERENCES:

SUBDIVISION MAP OF THE CITY OF ROCHESTER, DISTRICT 16 - TOWN 6
MAP OF A SURVEY BY LEWIS L. KOHL, INC. LICENSED SURVEYORS, DATED JUNE 21 1966
MAP OF WEST PART OF LOT 129 BY W.E. STOREY, SUBDIVISION DATED OCT. 29, 1925

RONALD W. STAUB
SURVEYORS & PLANNERS
1845 CLINTON AVENUE NORTH
ROCHESTER, N.Y. 14621

SCALE: 1"=20' DATE JULY 31, 1974
REDATED JAN 9, 1976
TO SHOW BUILDING ADDITION.

Figure 3

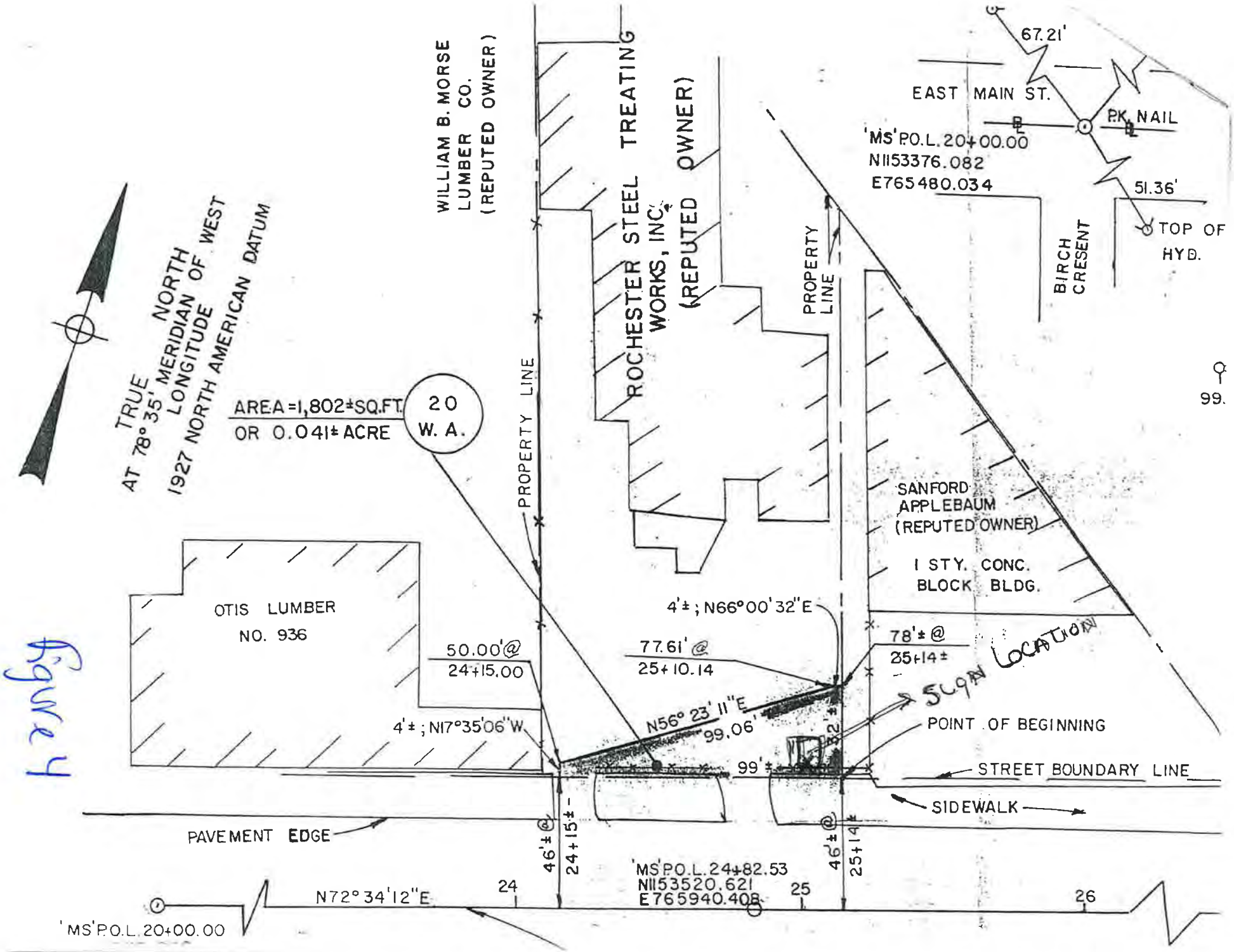

WILLIAM B. MORSE
LUMBER CO.
(REPUTED OWNER)
ROCHESTER STEEL TREATING
WORKS, INC.
(REPUTED OWNER)
67.21'
EAST MAIN ST.
P.K. NAIL
'MS' P.O.L. 20+00.00
N1153376.082
E765480.034
51.36'
TOP OF
HYD.
BIRCH
CRESENT
PROPERTY
LINE
99.
TRUE
NORTH
AT 78° 35' MERIDIAN OF WEST
LONGITUDE
1927 NORTH AMERICAN DATUM
AREA = 1,802± SQ.FT.
OR 0.041± ACRE
20
W. A.
PROPERTY LINE
SANFORD
APPLEBAUM
(REPUTED OWNER)
1 STY. CONC.
BLOCK BLDG.
OTIS LUMBER
NO. 936
4'± ; N66° 00' 32" E
50.00' @
24+15.00
77.61' @
25+10.14
78'± @
25+14±
SCAN LOCATION
4'± ; N17° 35' 06" W
N56° 23' 11" E
99.06'
POINT OF BEGINNING
99'±
STREET BOUNDARY LINE
SIDEWALK
PAVEMENT EDGE
46'± @
24+15±
46'± @
25+14±
'MS' P.O.L. 24+82.53
N1153520.621
E765940.408
N72° 34' 12" E
24
25
26
'MS' P.O.L. 20+00.00

Figure 4

APPENDIX A

USER-PROVIDED INFORMATION
(ATTACHMENT A OF DAY'S PROPOSAL)

Attachment A: Page 1 of 3
962, 966, & 972-974 East Main Street, Rochester, New York

In order to qualify for one of the Landowner Liability Protections (LLPs)[2] offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user of the Phase I ESA must provide the following information (if available). Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Each of the questions below must be completed, to the best of your knowledge, and this form must be returned to DAY with the signed WOA Form. If any question is answered "yes", please explain in the space provided (including which parcel the "yes" answer applies to), or attach a separate sheet if further explanation is required.

1) What is the purpose of this Phase I ESA (i.e., potential purchase of property, potential sale of property, refinancing, etc.)?

Potential sale of property

2) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? ___Yes _X_ No ___Unknown

3) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? ___Yes _X_ No ___Unknown

3a. Have you engaged, or do you plan to engage, a title company or title professional to undertake a review of reasonably ascertainable recorded land title records and lien records for environmental liens or activity and use limitations currently recorded against or relating to the property? ___Yes _X_No

3b. Do you wish to have DAY engage a title company or title professional to undertake the review as described in 3a above? (If "yes," DAY will submit a WOA Form addendum outlining the additional cost and time for completion of this task.) _X_Yes ___No

[2] Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements") Guide issued on March 6, 2003.

4) As the user of this Phase I ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
____Yes _X_ No ____Unknown

5) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? ____Yes____No _X_ Unknown

5a. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?
____Yes____No ____Unknown

6) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property? _X_ Yes____No ____Unknown

Sale company, grocery store, restaurant, hotel

(b) Do you know of specific chemicals that are present or once were present at the property?
____Yes _X_ No ____Unknown

(c) Do you know of spills or other chemical releases that have taken place at the property?
____Yes _X_ No ____Unknown

(d) Do you know of any environmental cleanups that have taken place at the property?
____Yes _X_ No ____Unknown

(e) Do you know of any prior environmental reports that have been completed for the property?
____Yes _X_ No ____Unknown If yes, please provide copies of the reports, if available.

7) As the user of this Phase I ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? ____Yes __X__No ____Unknown

In addition, an evaluation of business environmental risk associated with a parcel of commercial real estate may necessitate investigation beyond that identified in ASTM Practice E1527-13. The following considerations are beyond the scope of work for a Phase I ESA, but can be provided at an additional cost. If you would like any of the following addressed as part of the Phase I ESA, please place an "x" on the appropriate line, and DAY will provide an addendum WOA Form to address the selected issues.

1. Suspect Asbestos-Containing Materials (SACM) ___
2. Radon ___
3. Lead-Based Paint ___
4. Lead-in-Drinking Water ___
5. Wetlands ___
6. Regulatory Compliance ___
7. Cultural and Historic Resources ___
8. Industrial Hygiene ___
9. Health and Safety ___
10. Ecological Resources ___
11. Endangered Species ___
12. Indoor Air Quality ___
13. Biological Agents ___
14. Mold ___

* * * * *

Attachment A Completed By:

Signature: Brian Miller

Printed Name: Brian Miller

Date: 5/11/2016

s/RSTW/Contracts & WOAs / 2016 / DD5003

APPENDIX B

SITE PHOTOGRAPHS

View of the eastern portion of the assessed property, looking north.

View of the southern portion of the assessed property, looking north.

View of the northern exterior wall of the assessed property, looking east.

View of a cut in the concrete on the northern exterior portion of the assessed property used for drainage to the adjoining property to the east (i.e., railroad), looking southeast.

View of the western exterior portion of the assessed property, looking north. Note the enclosure for TCE tanks.

View of the waste sludge drum located in the black oxide area (i.e., on the northeast interior portion of the assessed building).

View of drum storage located in the black oxide area (i.e., on the northeast interior portion of the assessed building).

View of the black oxide line (i.e., on the northeast interior portion of the assessed building).

View of spillage of condensed oil and absorbent material located on the concrete floor of the new vacuum room (i.e., on the eastern interior portion of the assessed building).

View of aboveground storage tanks in the former black oxide line area (i.e., on the north interior portion of the assessed building).

View of the hazardous waste staging area (i.e., on the northwest interior portion of the assessed building).

View of spillage of quench oil and absorbent material in the original manufacturing area (i.e., on the western interior portion of the assessed building).

View of the TCE degreaser (i.e., on the southwest interior portion of the assessed building).

View of the northeast portion of the assessed property, and the adjoining property to the north/ northeast.

View of the northern portion of the assessed property, a portion of the adjoining property to the west, and a portion of the adjoining property to the north.

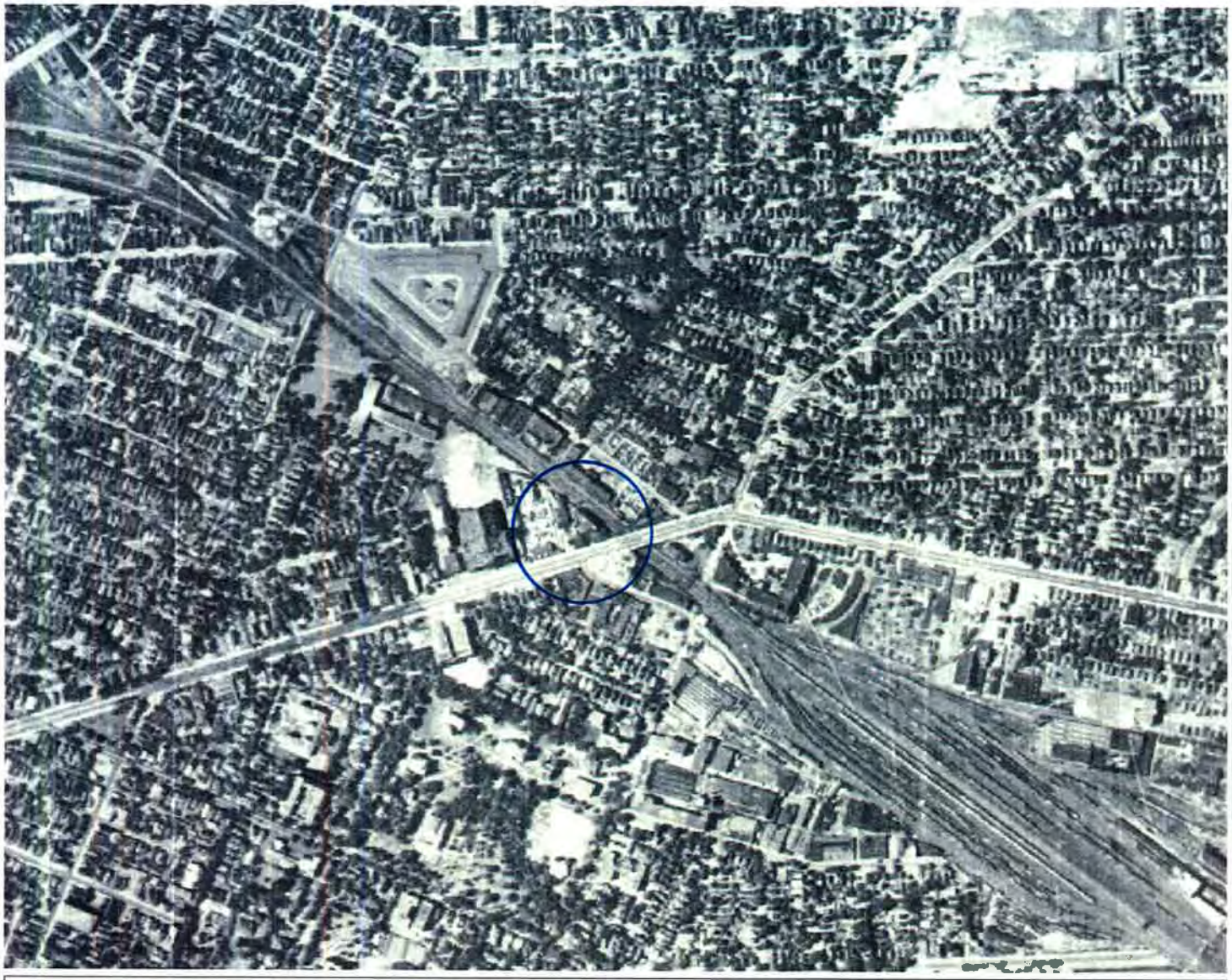
View of the adjoining property to the west of the assessed property.

View of the adjoining roadway to the south, with the Staub's building beyond.

APPENDIX C

HISTORICAL RESEARCH DOCUMENTATION

Monroe County GIS Services Division



Legend

Rochester 1930

High : 255

Low : 0

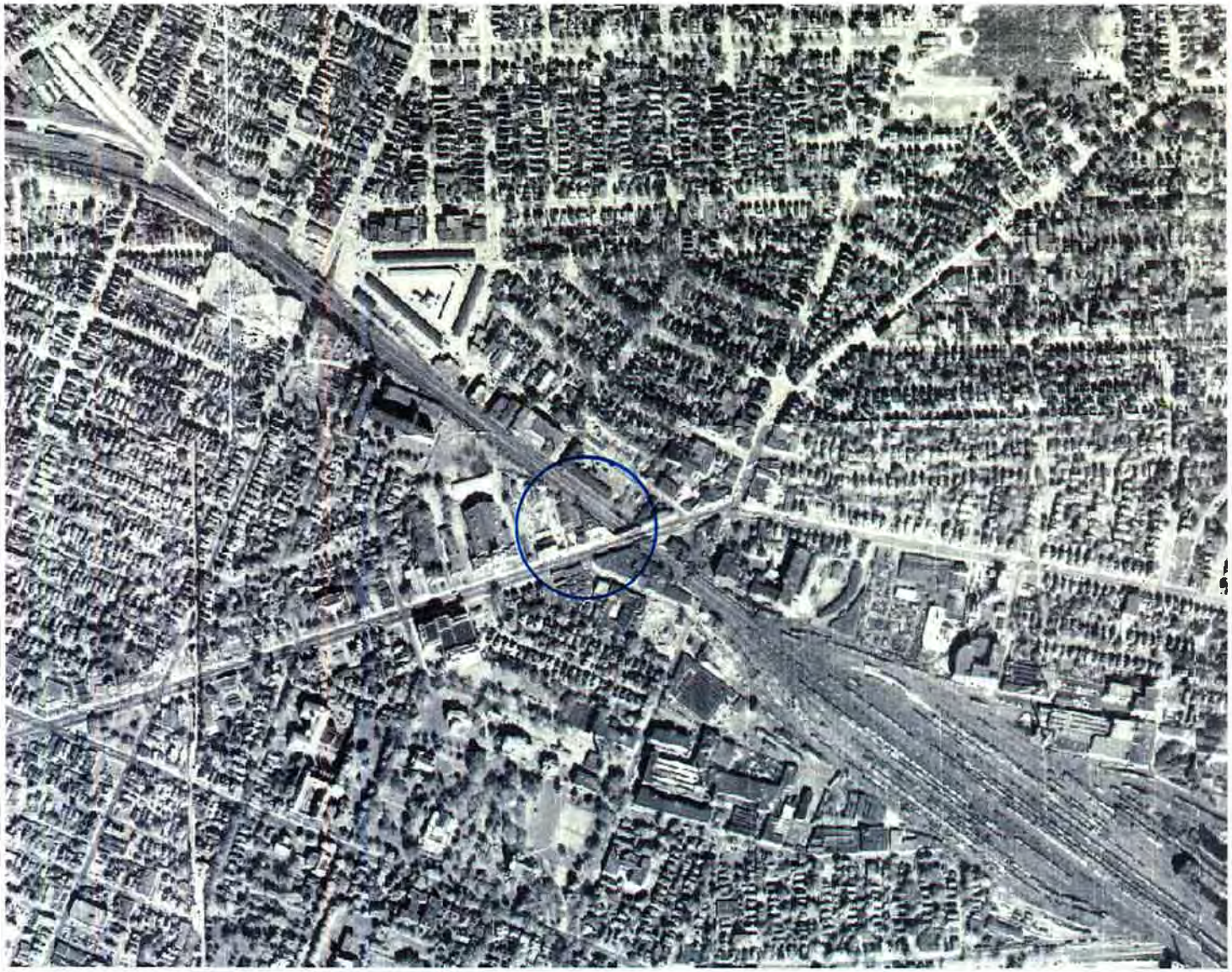
Monroe County Parcels

Notes

1,999.8 0 999.92 1,999.8 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere

Monroe County GIS Services Division



Legend

Rochester East 1951

High : 255

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Monroe County Parcels

Notes

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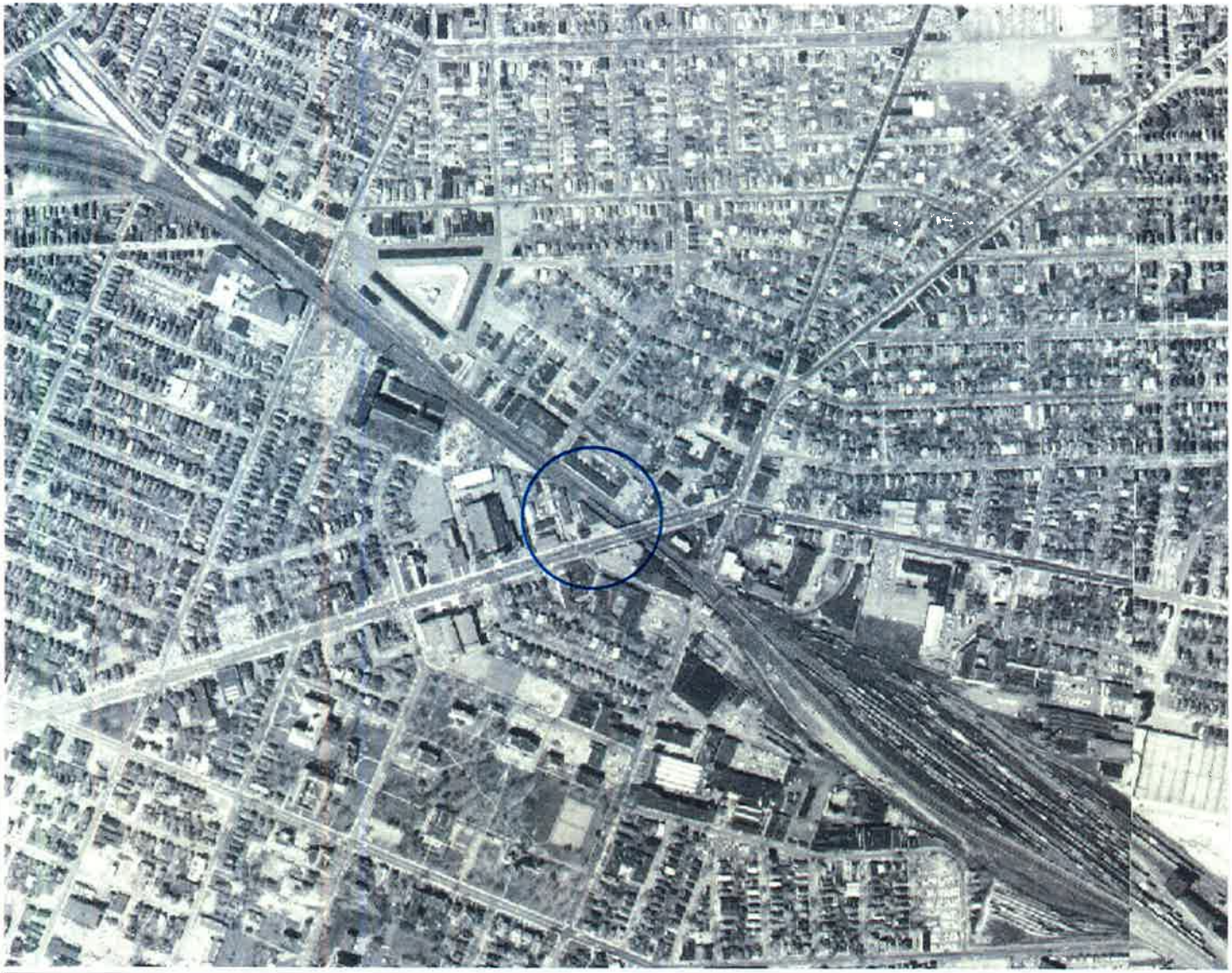
WGS_1984_Web_Mercator_Auxiliary_Sphere

Monroe County GIS Services Division



Legend

Rochester 1961

High : 255

Low : 0

Monroe County Parcels

Notes

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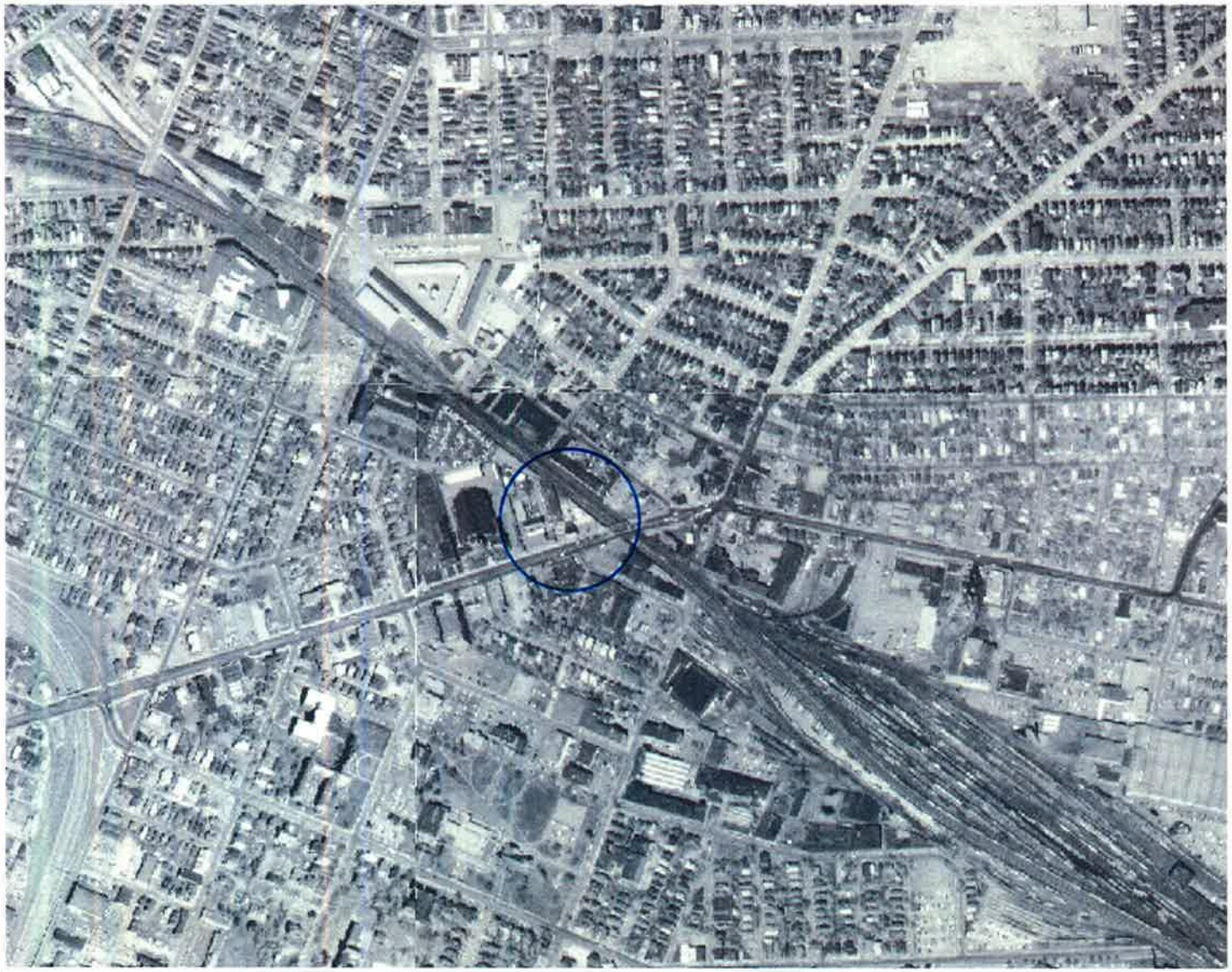
WGS_1984_Web_Mercator_Auxiliary_Sphere

Monroe County GIS Services Division



Legend

Rochester 1970

High : 255

Low : 0

Monroe County Parcels

Notes

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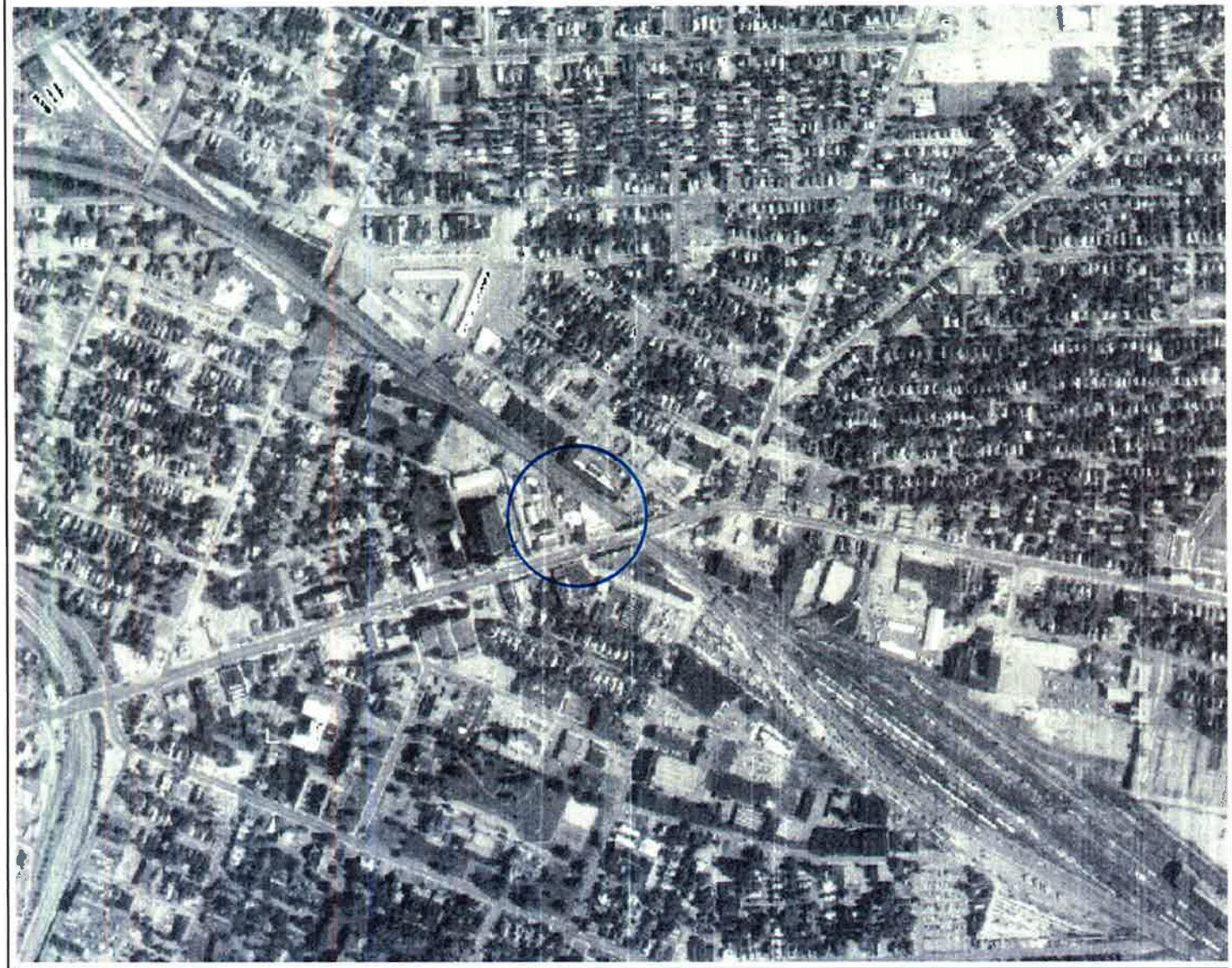
WGS_1984_Web_Mercator_Auxiliary_Sphere

Monroe County GIS Services Division



Legend

Rochester 1980

High : 255

Low : 0

Monroe County Parcels

Notes

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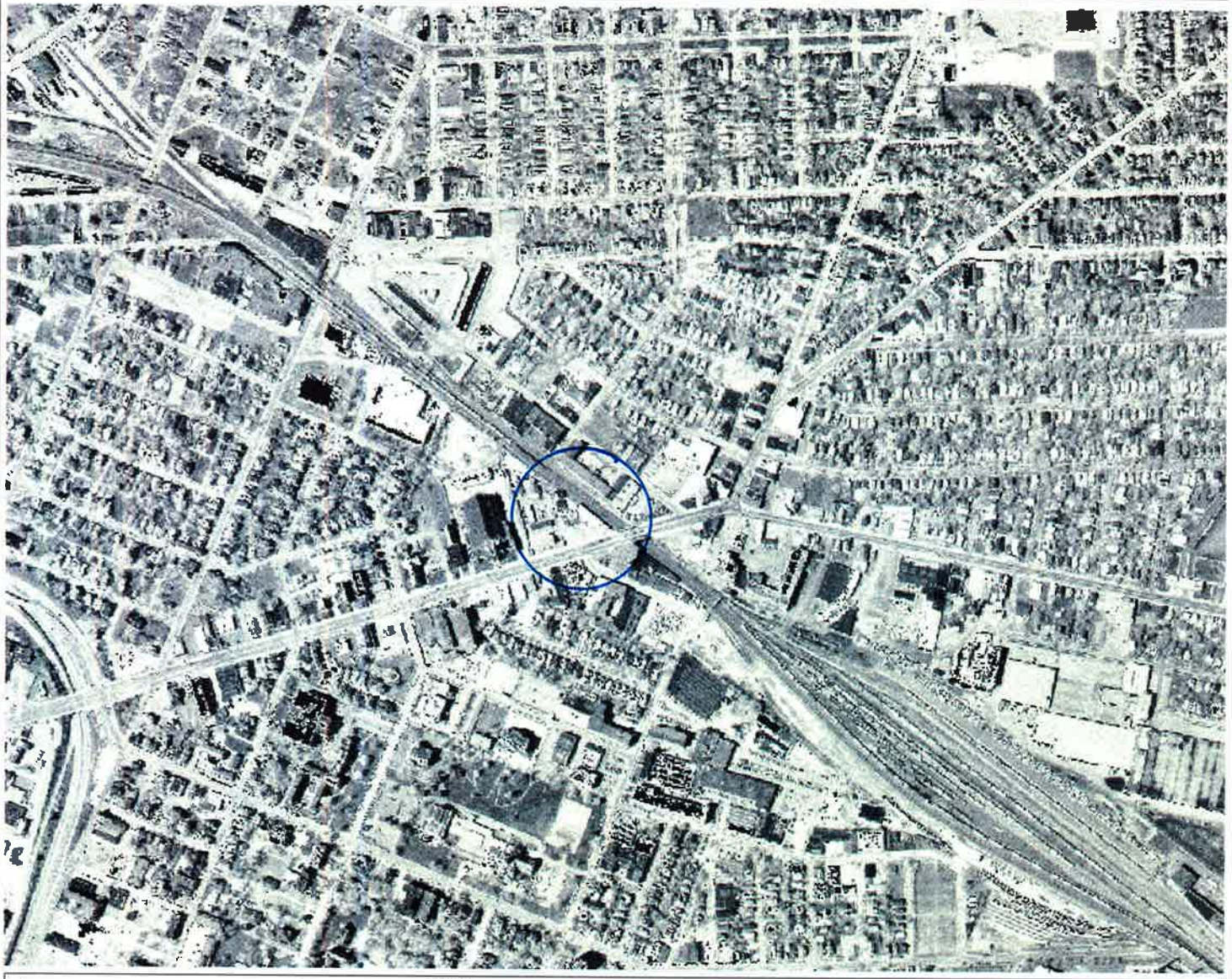
Monroe County GIS Services Division



Legend

Rochester 1988

High : 255

Low : 0

Monroe County Parcels

Notes

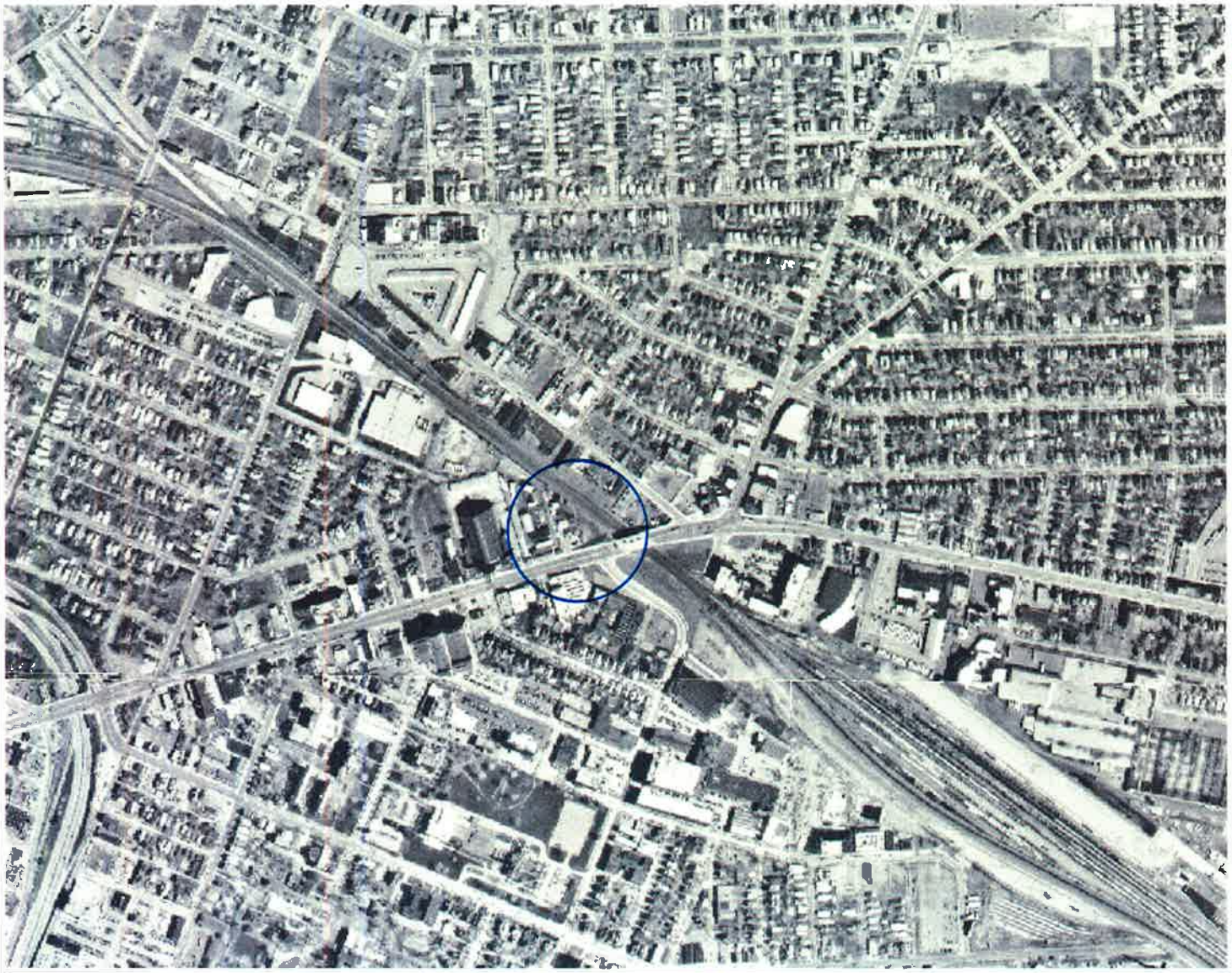
1,999.8 0 999.92 1,999.8 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere

Monroe County GIS Services Division

Maggie Brooks
County Executive

Mapping Monroe
GIS Services Division



Legend

Rochester 1993

High : 255

Low : 0

Monroe County Parcels

Notes

1,999.8 0 999.92 1,999.8 Feet

WGS_1984_Web_Mercator_Auxiliary_Sphere

Monroe County GIS Services Division

Legend

Rochester 1996

High : 255

Low : 0

Monroe County Parcels

Notes

1,999.8 0 999.92 1,999.8 Feet

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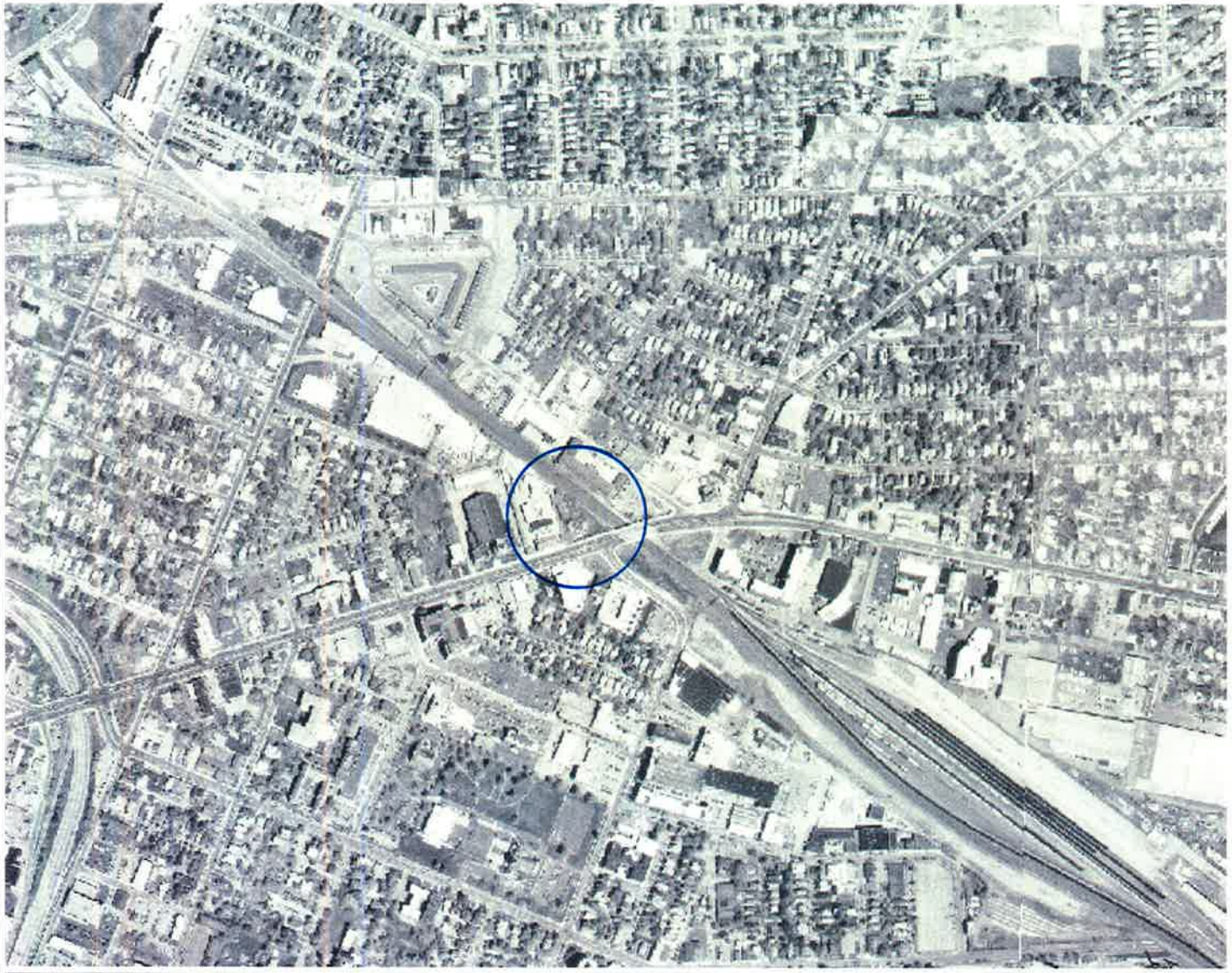
Monroe County GIS Services Division



Legend

Rochester 1999

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Low : 0

Monroe County Parcels

Notes

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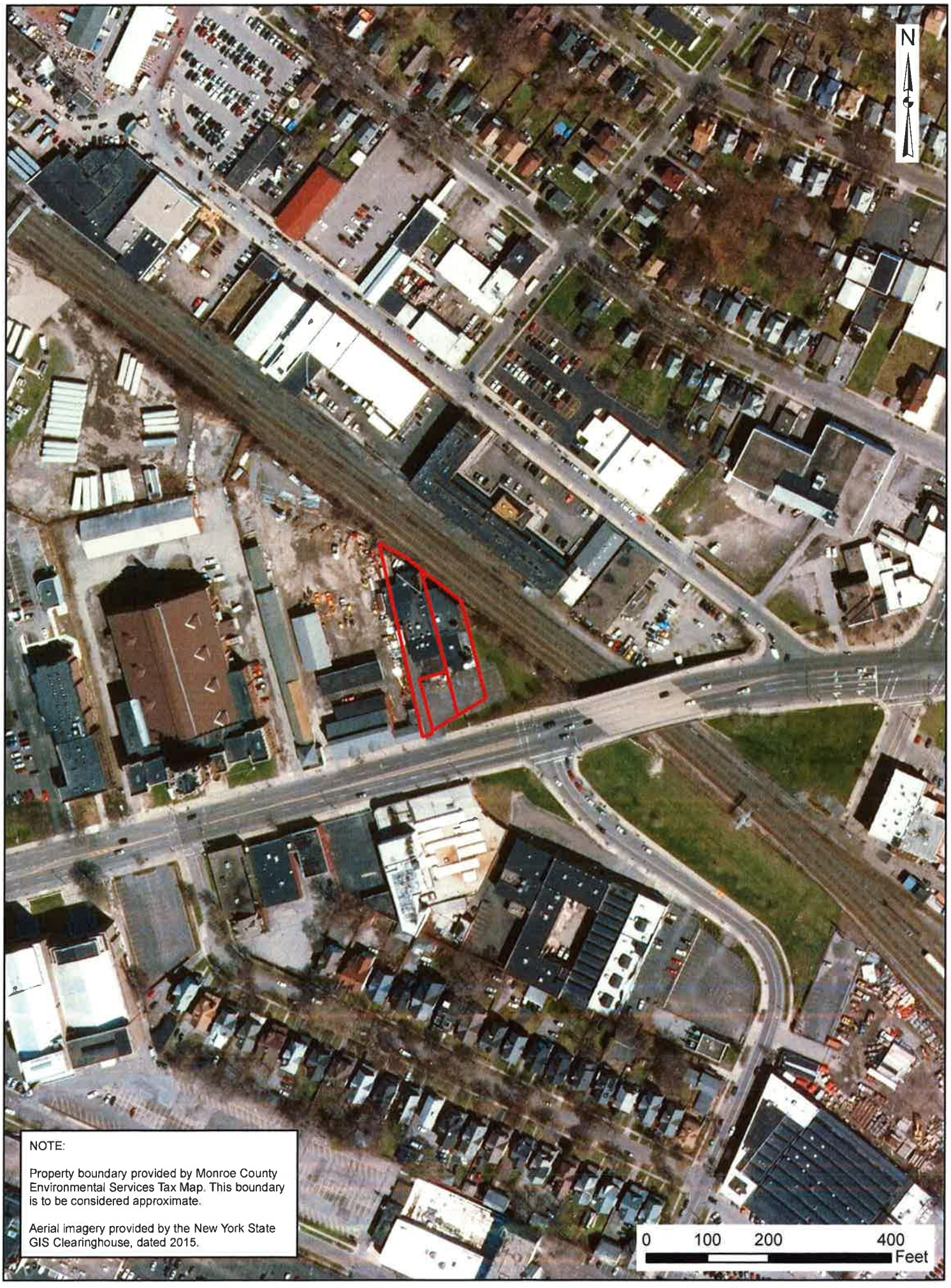


NOTE:

Property boundary provided by Monroe County Environmental Services Tax Map. This boundary is to be considered approximate.

Aerial imagery provided by the New York State GIS Clearinghouse, dated 2015.

Document Path: \\DAYGIS\GIS_Data\Aerial Locus Maps\5248E-16RSTW Aerial.mxd

Last Date Saved: 12 May 2016

ENVIRONMENTAL RISK INFORMATION SERVICE

FIRE INSURANCE MAP RESEARCH RESULTS

Date: 2016-05-13

Order Number:20160512060

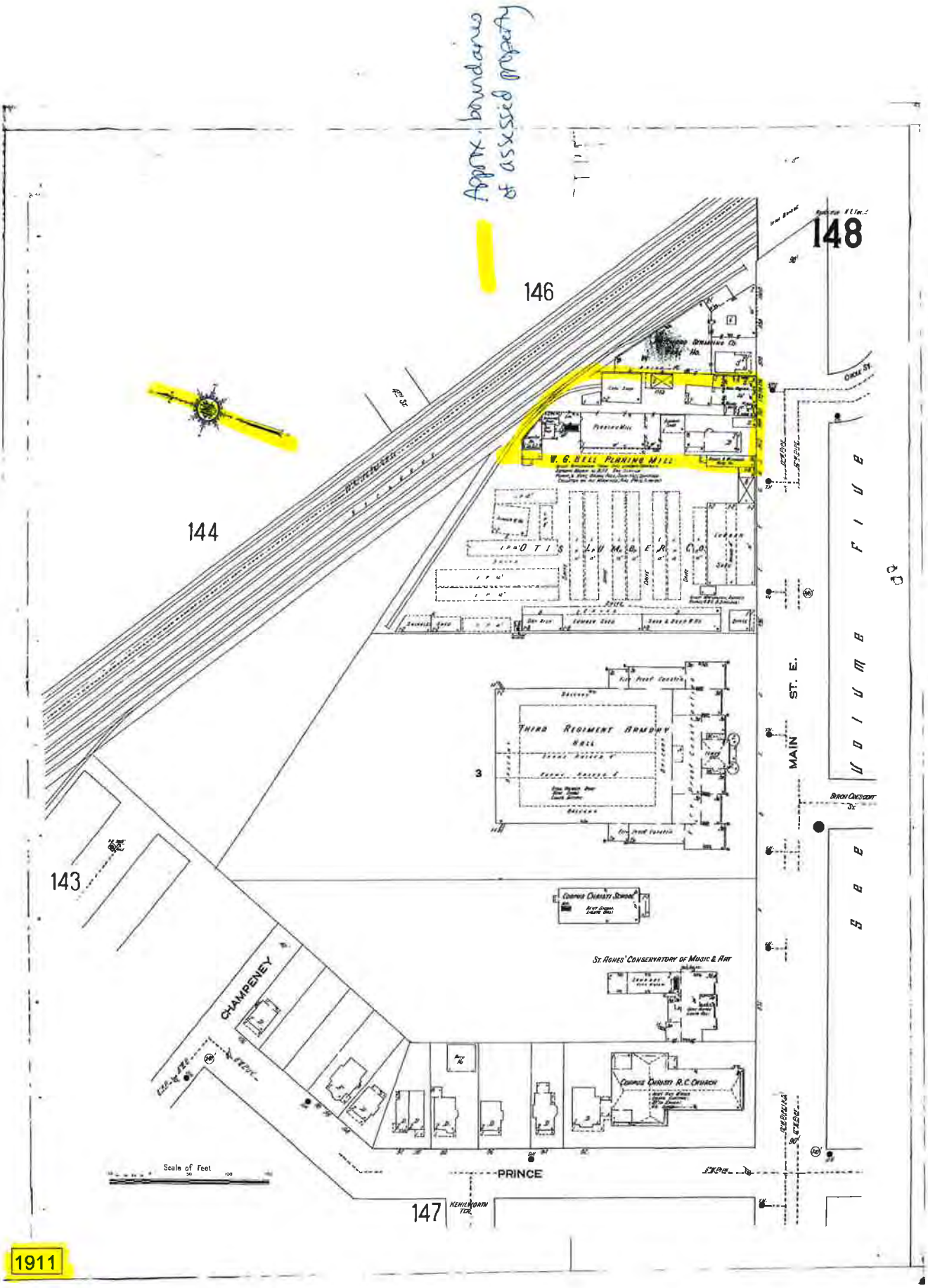
962-974 E. Main Street, Rochester, NY

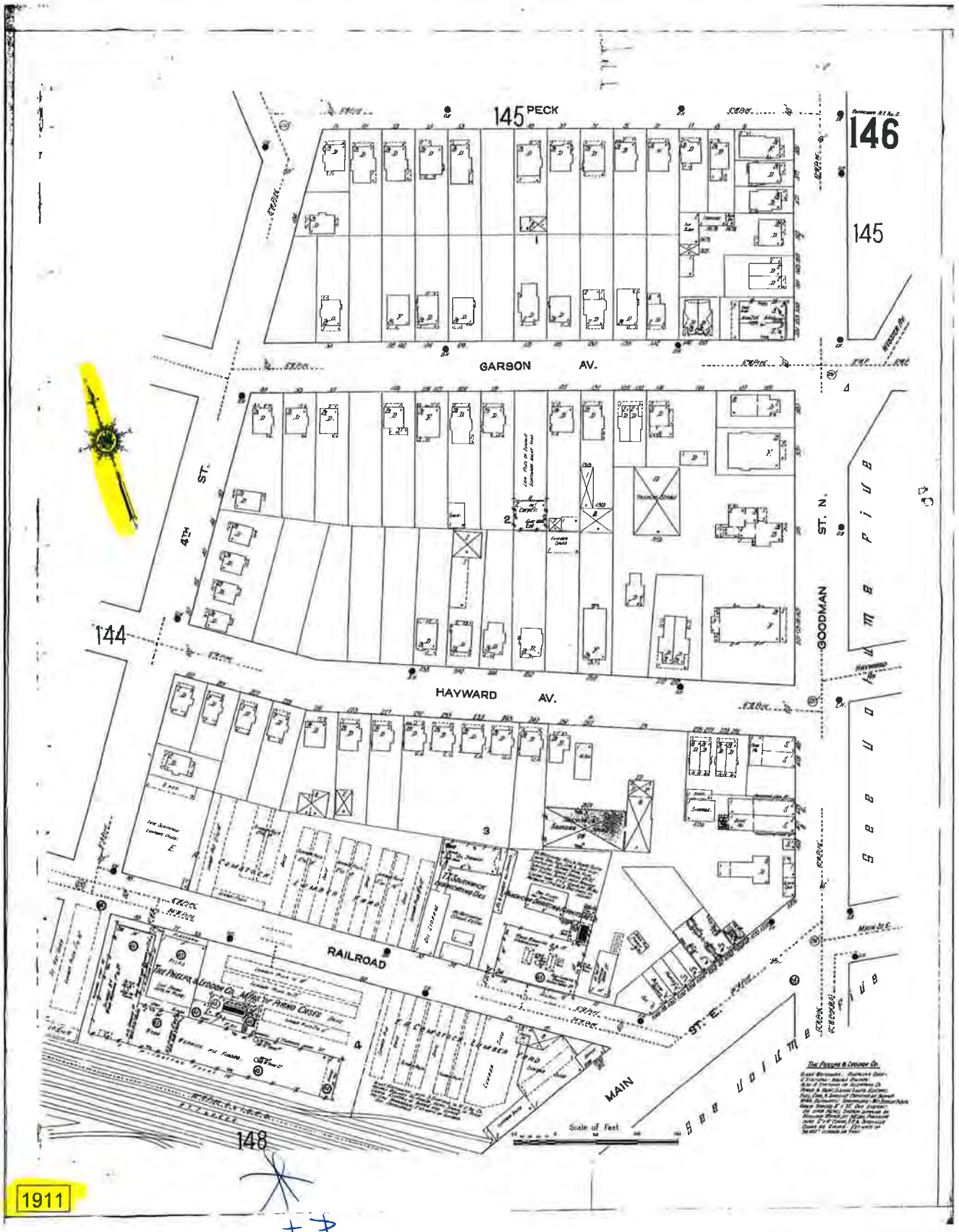
Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjunction with your ERIS report.

State	City	Date	Volume	Sheet(s)
New York	Rochester	1911	2	144,146,148
New York	Rochester	1912	5	516
New York	Rochester	1938	1 South	16S
New York	Rochester	1950	1 South	16S
New York	Rochester	1950	2	144,146,148
New York	Rochester	1971	1 South	16S
New York	Rochester	1971	2	144,146,148

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

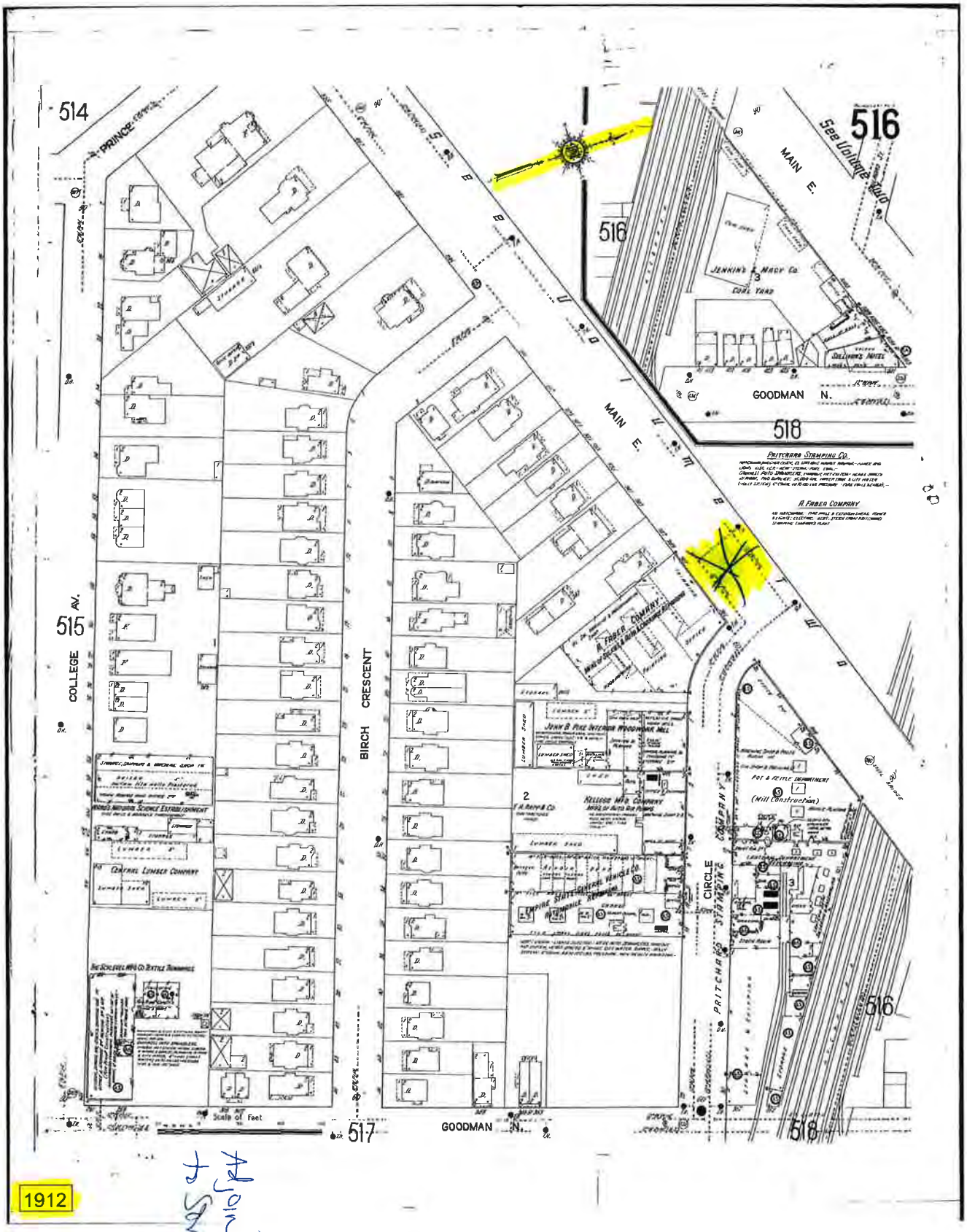
Address: 38 Lesmill Road Unit 2, Toronto, ON M3B 2T5
Phone: 416-510-5204 Fax: 416-510-5133
info@erisinfo.com www.erisinfo.com

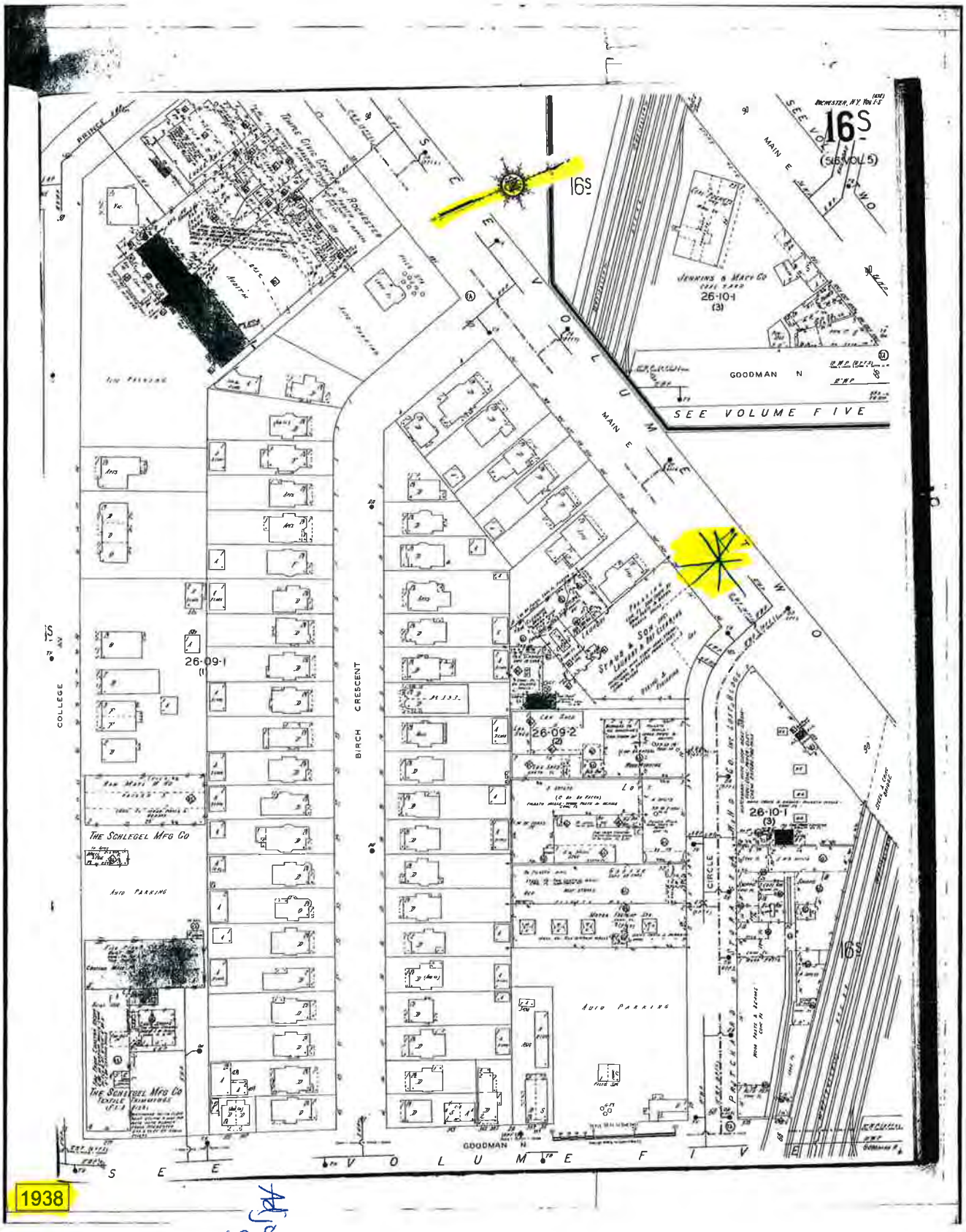

Appx. boundaries of assessed property
148
146
144
143
147
W. G. BELL PLANING MILL
IPAOTIS LUMBER CO.
THIRD REGIMENT ARMORY
HALL
ST. ROSES' CONSERVATORY OF MUSIC & ART
CORPUS CHRISTI R.C. CHURCH
CHAMPENEY
PRINCE
MAIN ST. E.
FIUME
BIRCH CRESCENT
OAKLE ST
Scale of Feet
1911



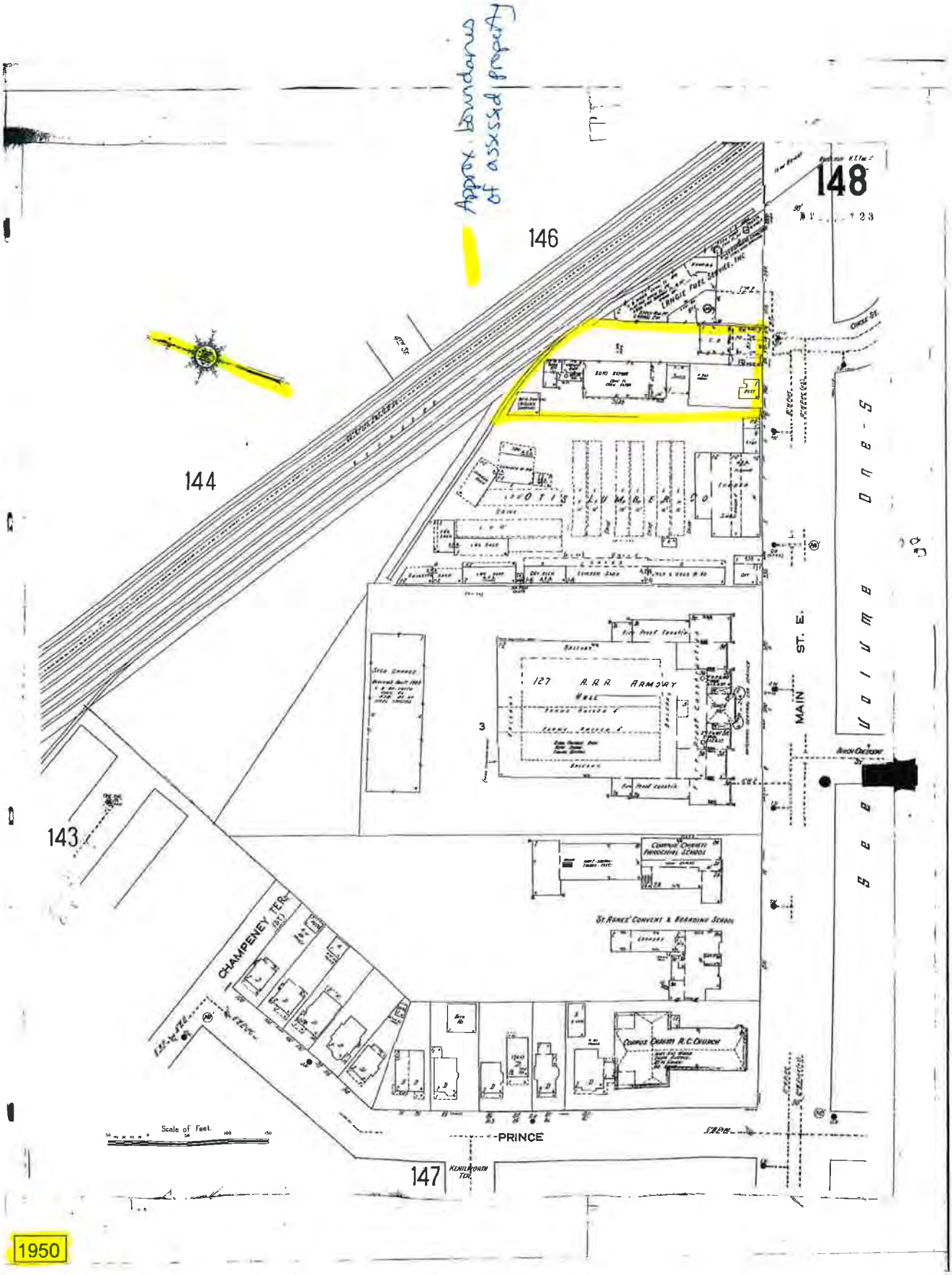
1911

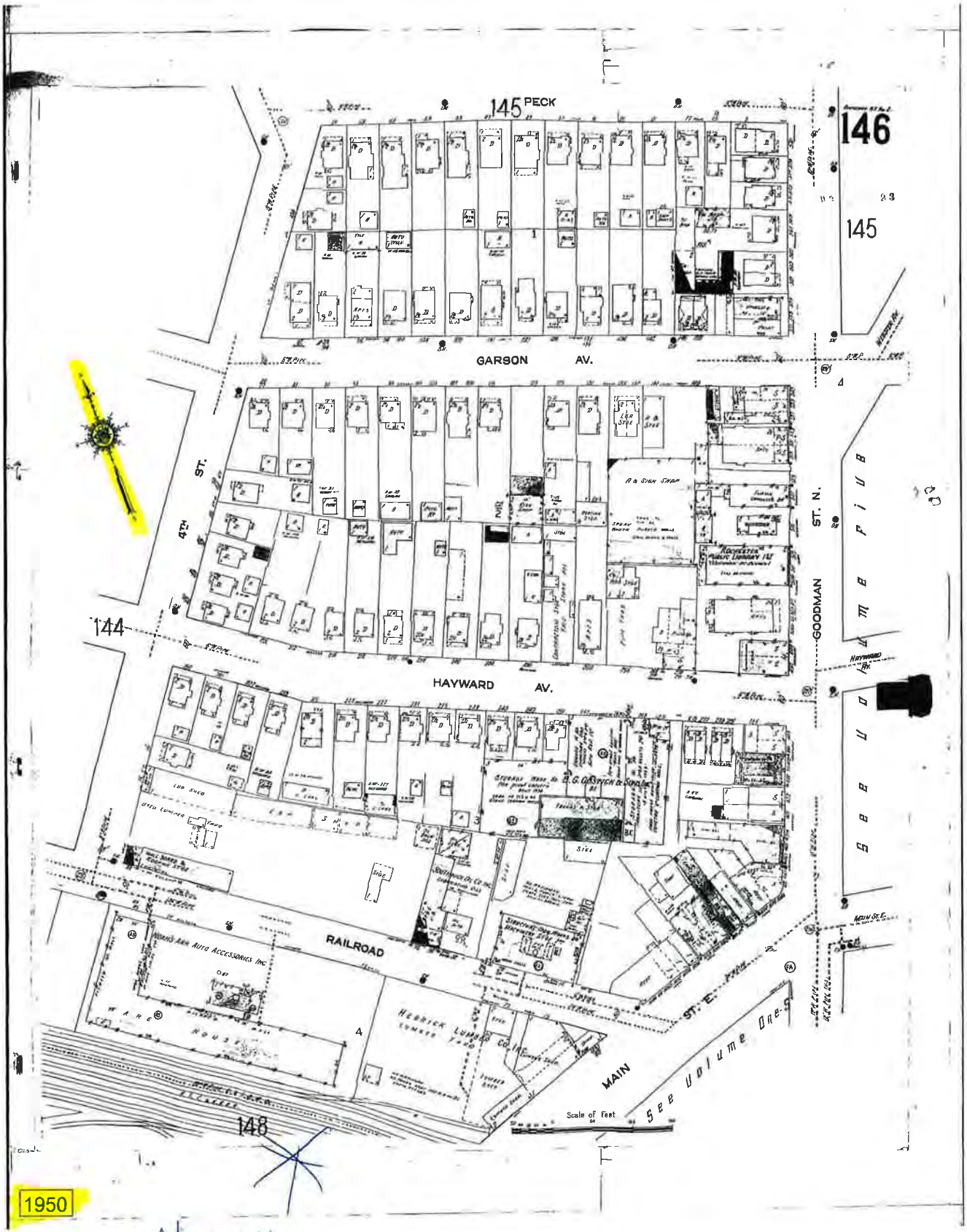
Adjoining to East + NW


514
516
See Volume 1000
MAIN E.
516
JENKINS & MACY CO.
COAL YARD
GOODMAN N.
518
PRITCHARD STAMPING CO.
R. FABER COMPANY
MAIN E.
515
COLLEGE AV.
BIRCH CRESCENT
CENTRAL LUMBER COMPANY
JOHN B. PIKE INTERIOR WOODWORK MILL
KELLOGG MFG. COMPANY
EMPIRE STATE GENERAL VEHICLE CO.
POT & KETTLE DEPARTMENT
(Mill Construction)
CIRCLE
PRITCHARD
516
Scale of Feet
517
GOODMAN N.
518
1912
Adjoining to South

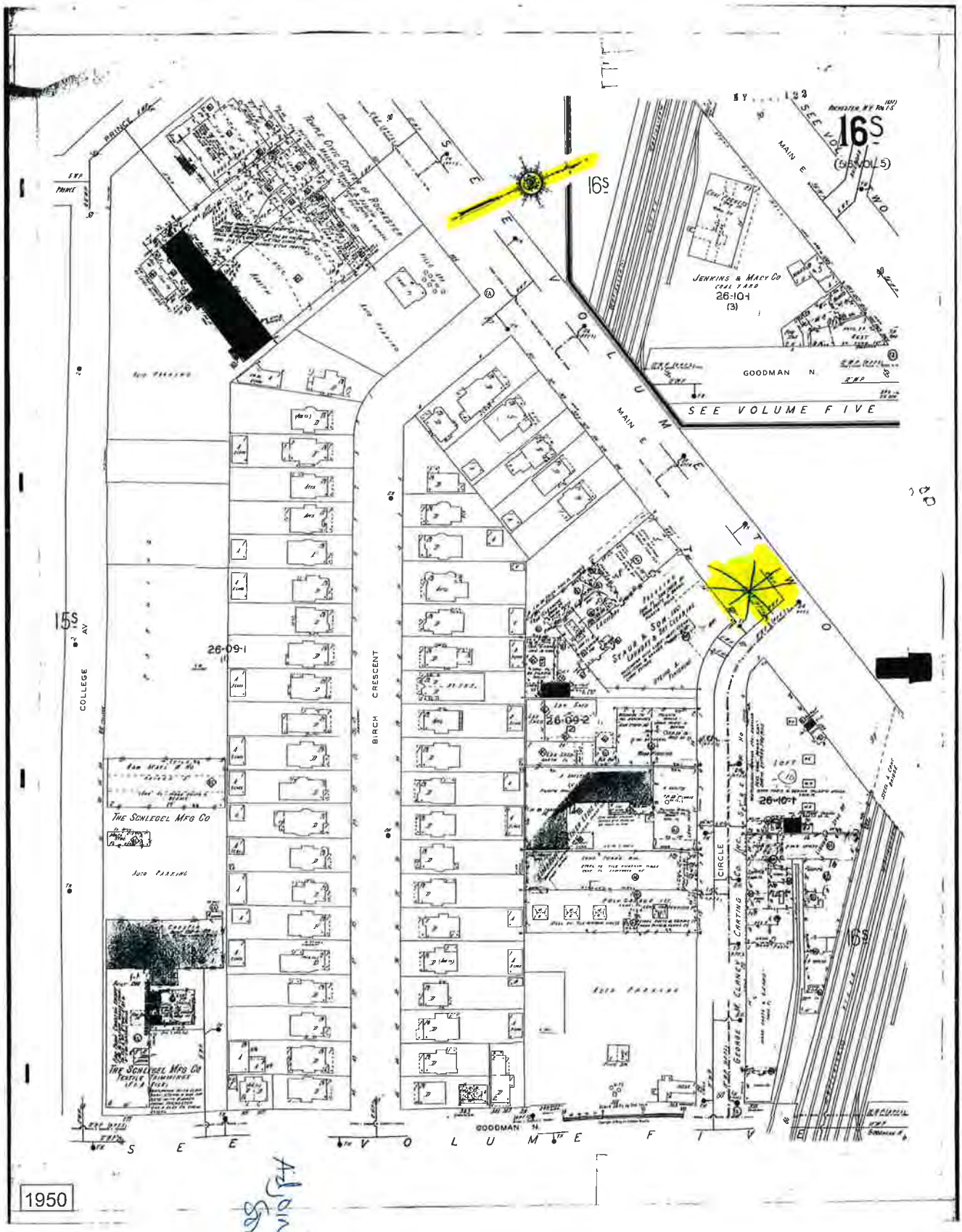


Adjoining to South

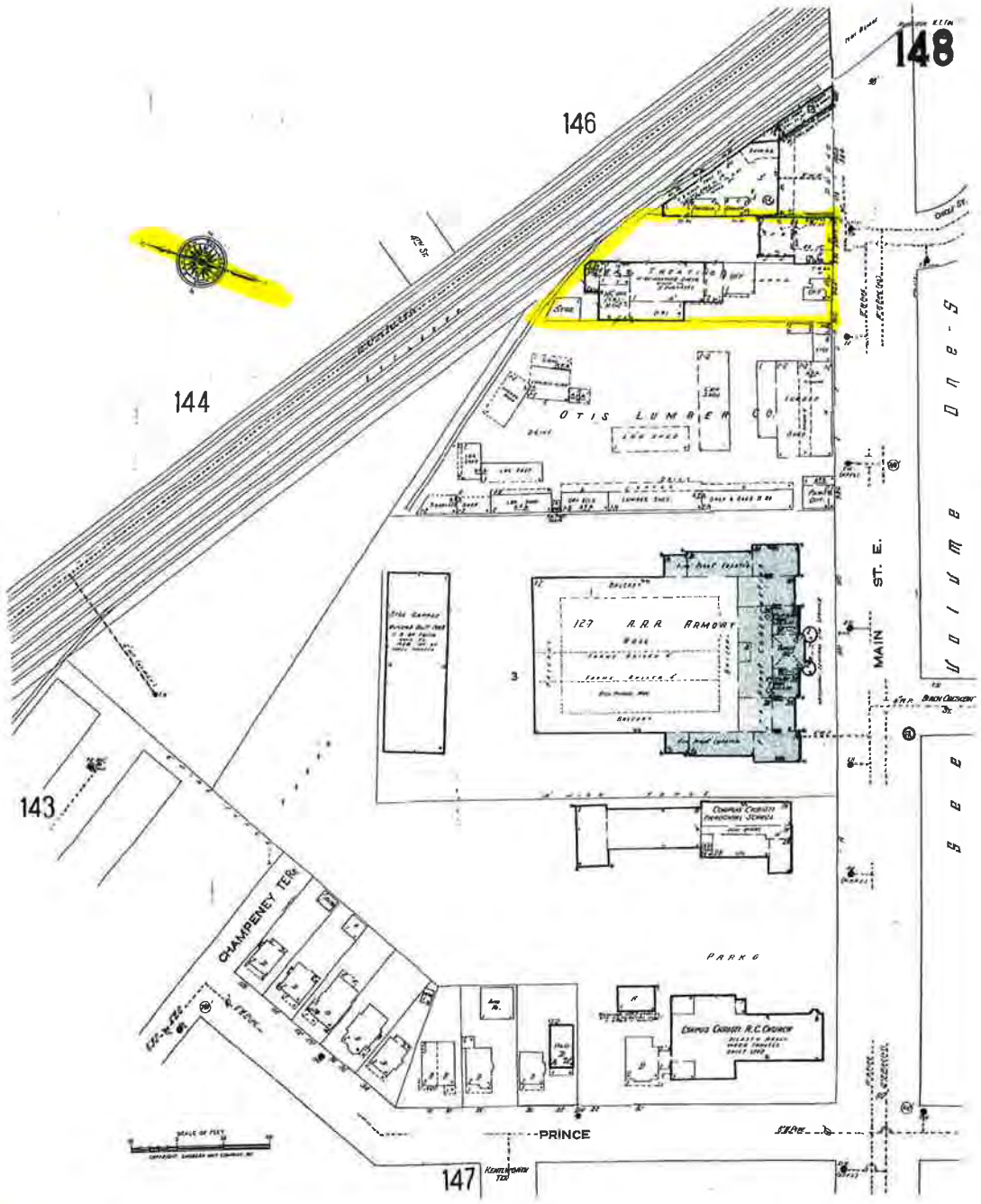

Approx. boundaries of assessed property
148
146
144
143
147
127 R.R.R. ARMORY
MAIN ST. E.
PRINCE
CHAMPENEY TER.
KENILWORTH TER.
ST. RENEE'S CONVENT & BOARDING SCHOOL
Scale of Feet.
1950



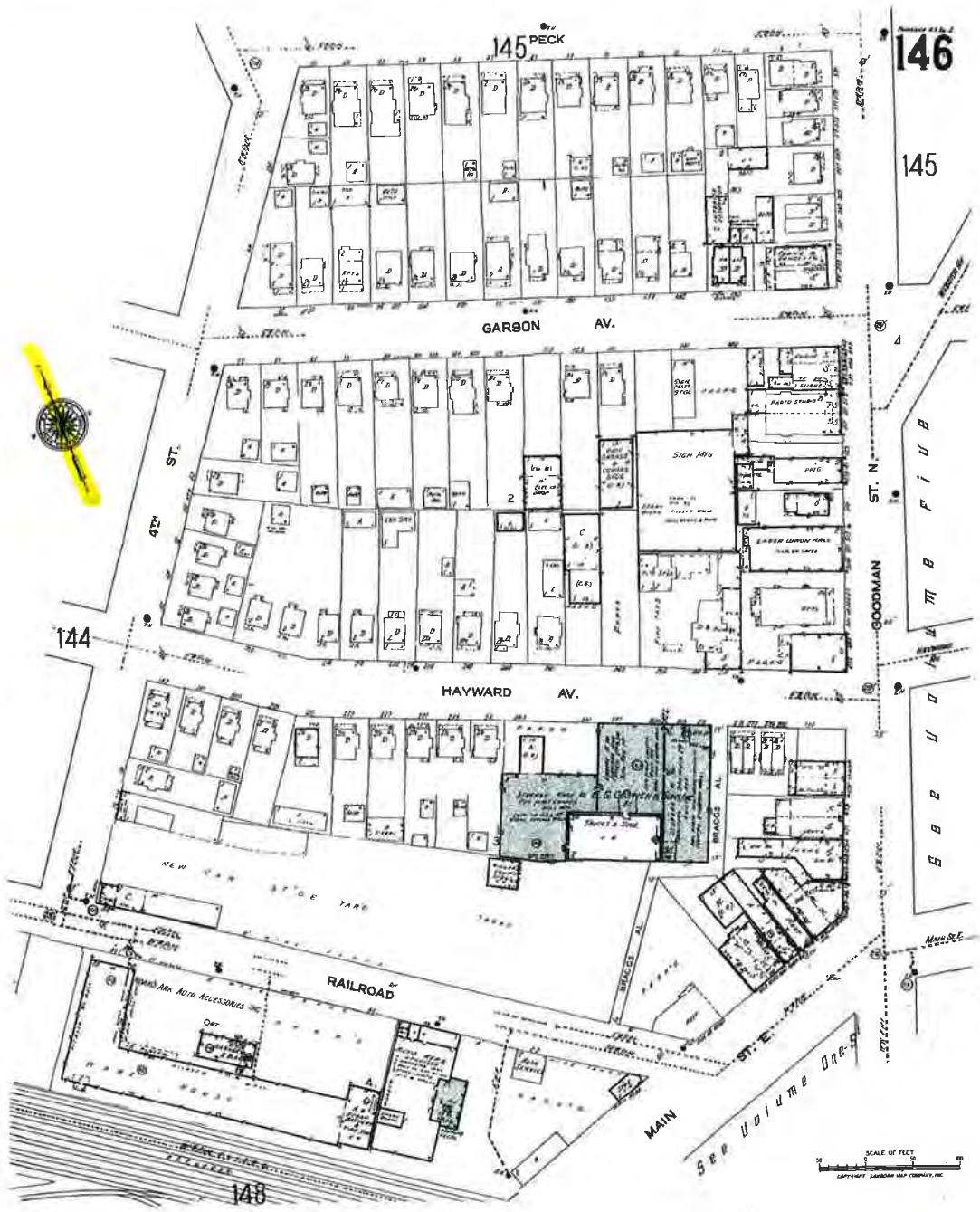
Adjoinings
East + North


16S
SEE VOLUME FIVE
JENKINS & MACY CO
26-10-1
(3)
GOODMAN N.
MAIN E
VOLUME FIVE
15S
COLLEGE AV
26-09-1
BIRCH CRESCENT
26-09-2
26-10-1
THE SCHLEGEL MFG CO
AUTO PARKING
CIRCLE
GEORGE W CLARKE CARTING
SEE VOLUME FIVE
GOODMAN N.
1950

Approx. boundaries of assessed property



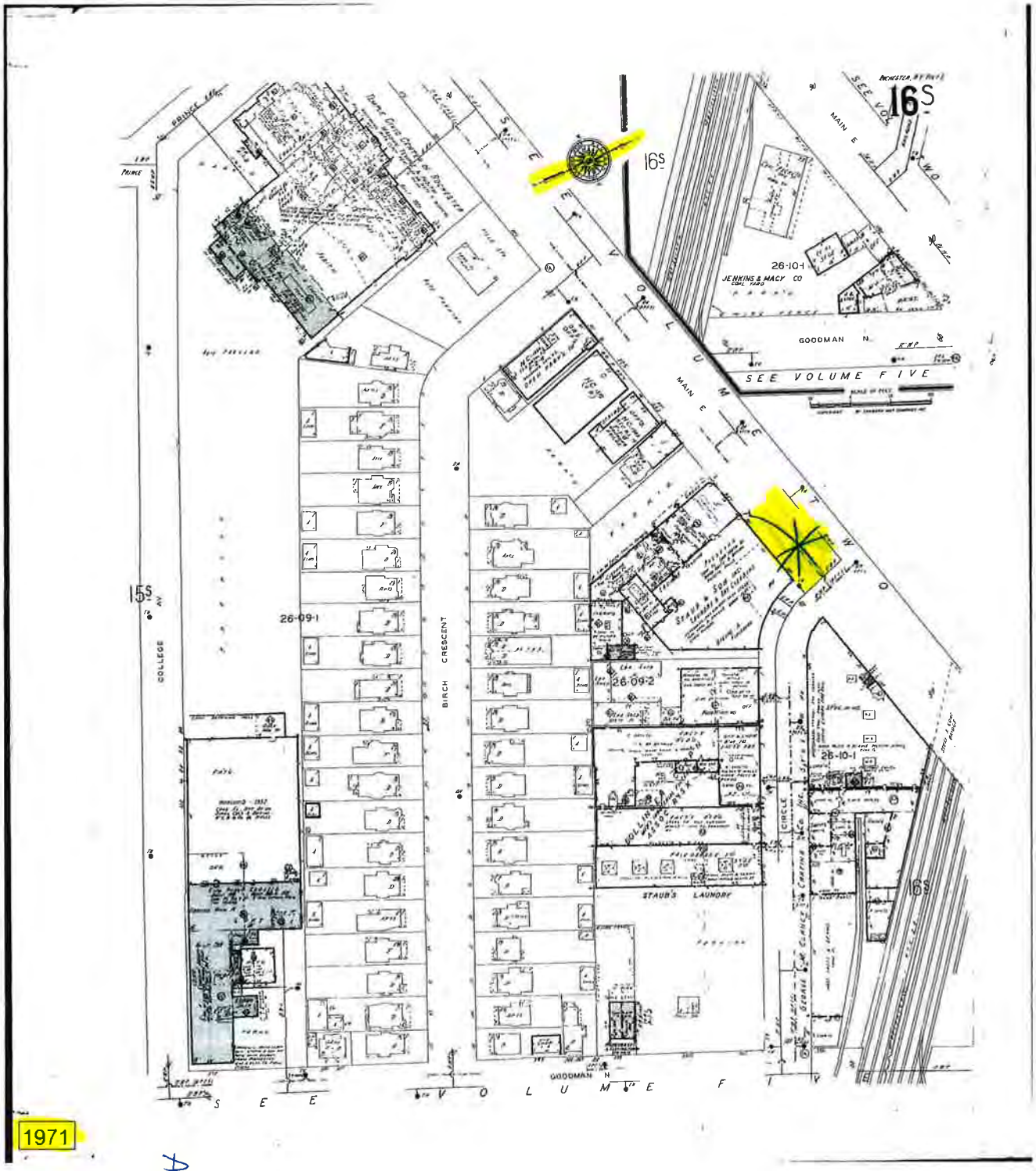
1971



1971

See volume One-B

Adjoining East & north



1971

Adjoining to South

Monroe County Library System

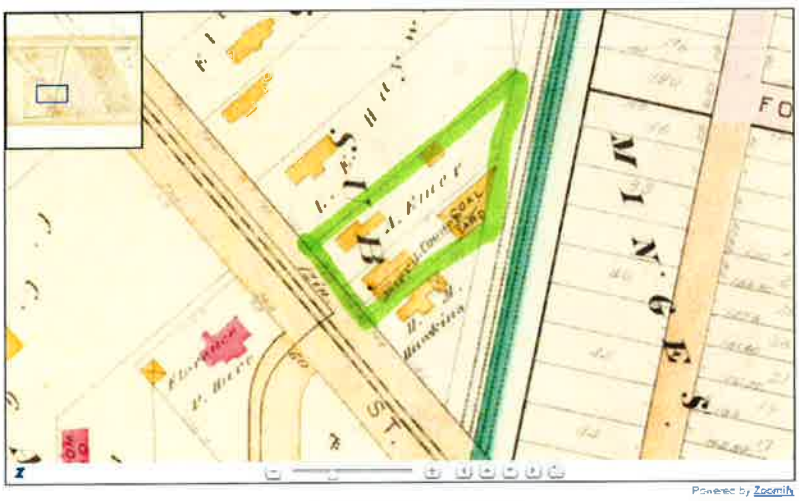
Rochester Images Database - Maps Collection

Monroe County Library System, Rochester, NY

1875 Plat Map, Plate 21

Monroe County Library System

Rochester Images Database - Maps Collection

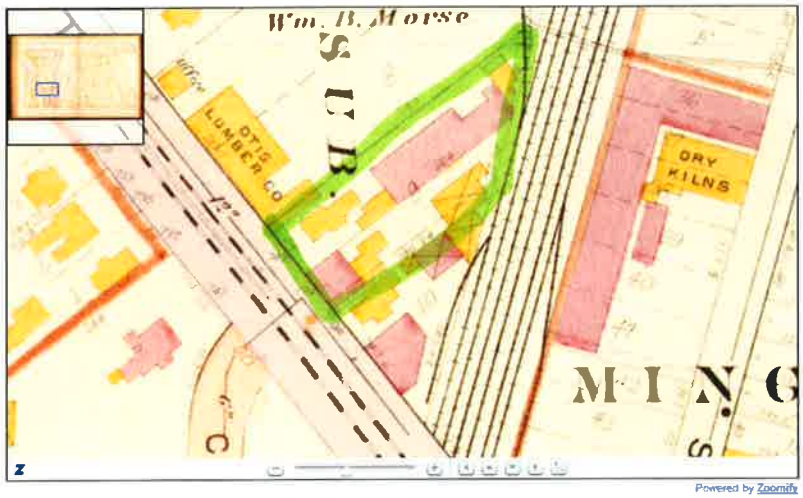


Monroe County Library System, Rochester, NY

1888 Plat Map, Plate 21

Monroe County Library System

Rochester Images Database - Maps Collection

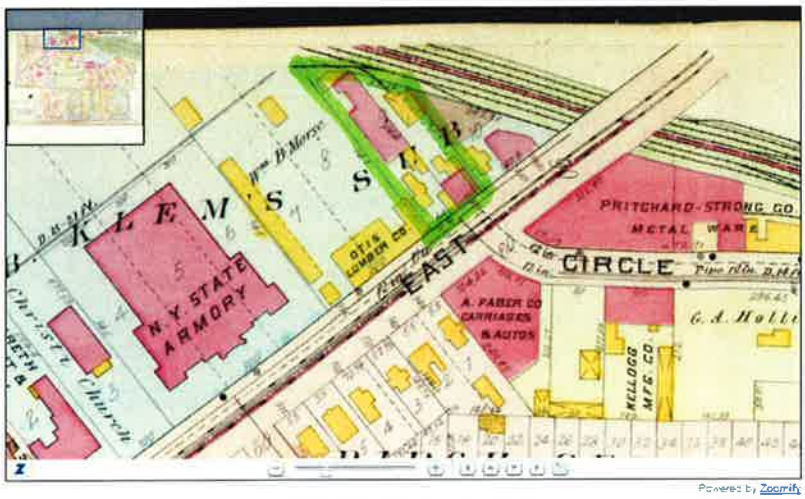


Monroe County Library System, Rochester, NY

1900 Plat Map, Plate 31

Monroe County Library System

Rochester Images Database - Maps Collection



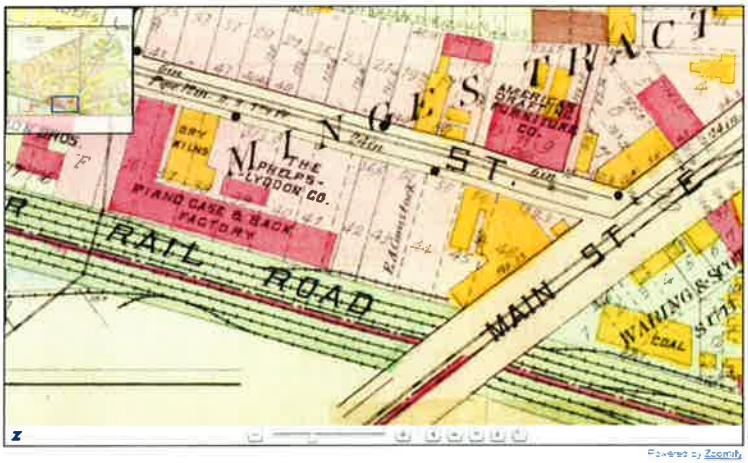
Monroe County Library System, Rochester, NY

1910 Plat Map, Plate 12

Monroe County Library System

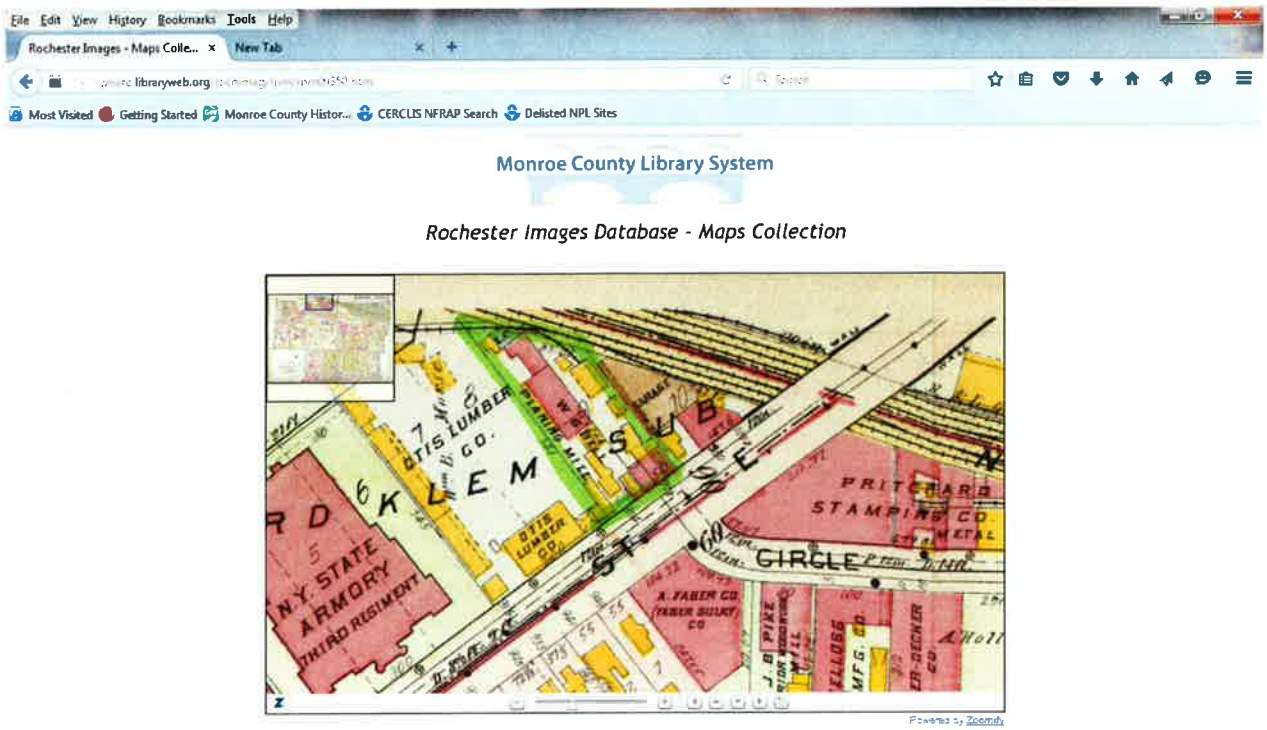
Rochester Images Database - Maps Collection

N



Monroe County Library System, Rochester, NY

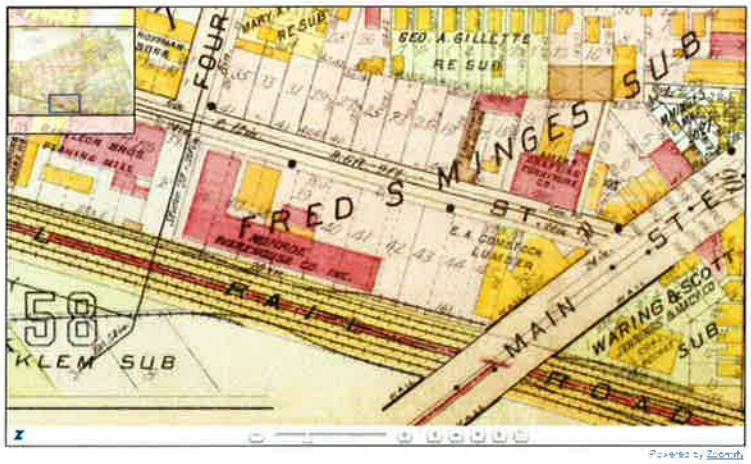
1910 Plat Map, Plate 11 (Adjoining to East and North)



1918 Plat Map, Plate 12

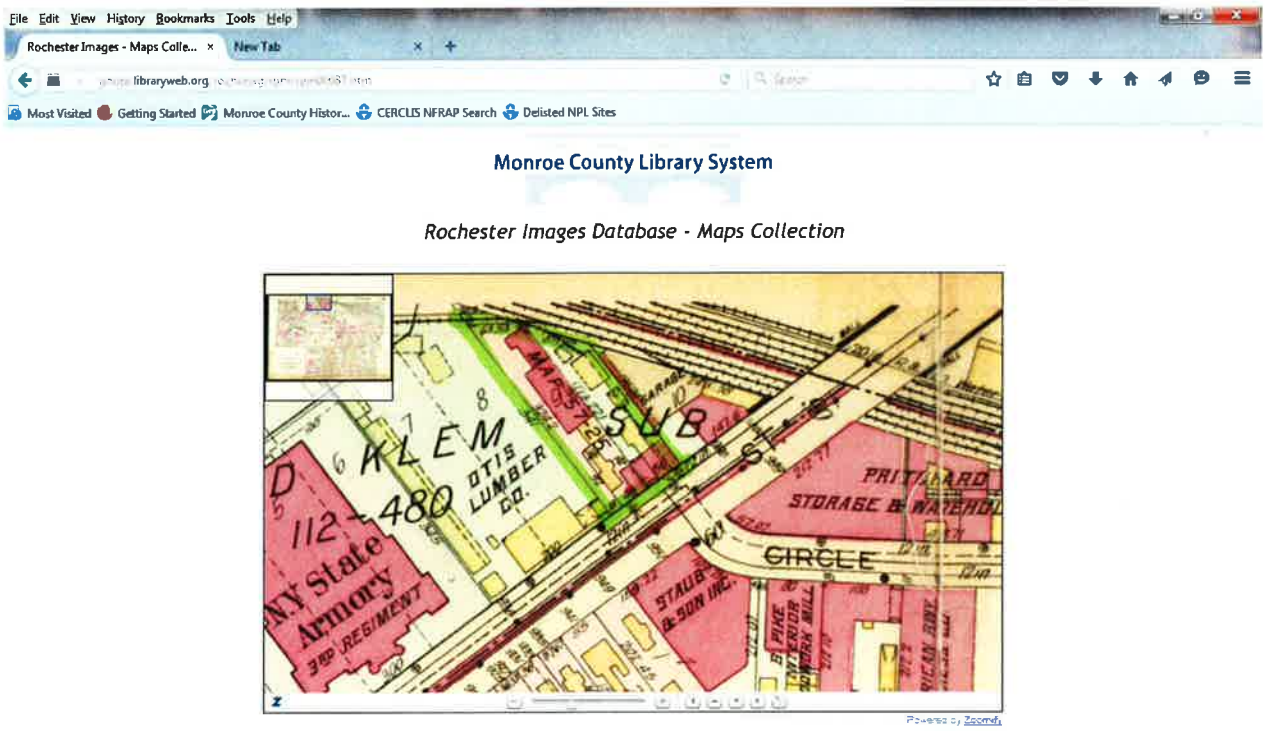
Monroe County Library System

Rochester Images Database - Maps Collection



Monroe County Library System, Rochester, NY

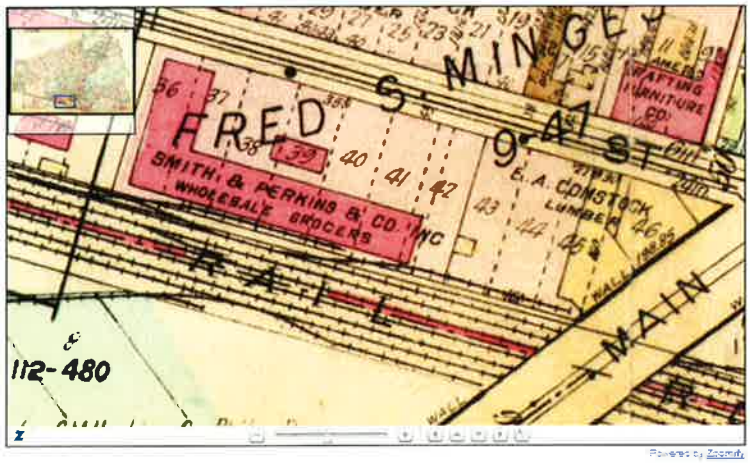
1918 Plat Map, Plate 11 (Adjoining to East and North)



1926 Plat Map, Plate 12

Monroe County Library System

Rochester Images Database - Maps Collection

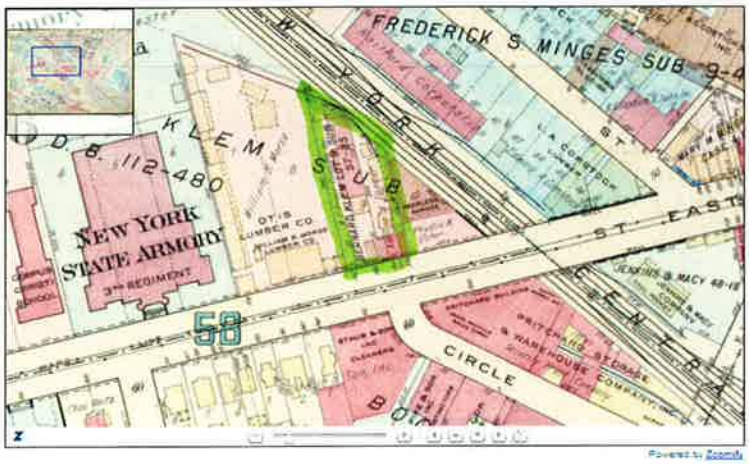


Monroe County Library System, Rochester, NY

1926 Plat Map, Plate 11 (Adjoining to East and North)

Monroe County Library System

Rochester Images Database - Maps Collection



Monroe County Library System, Rochester, NY

1935 Plat Book, Volume 1, Plate 7

CITY DIRECTORIES
962, 966 & 972-974 EAST MAIN STREET
ROCHESTER, NEW YORK

2011

East Main Street

936	-	Not listed
951	-	Ben Barnet Cleaners cleaners
		Turgeon Donna I
*962	-	Rochester Steel Treating Works heat treating metal
*966	-	Not listed
*972	-	Not listed
*974	-	Not listed
1030	-	Budget Truck Rental truck renting & lease
		Marketview Heights Garage parking stations & garages
		U-Haul Neighborhood Dealer trailer hitches

Railroad Street

45-53	-	Not listed
55	-	Purse Lady boutique items retail
		Roberts Novelty Shop novelties retail
		Station 55 apartments
		Temple Building apartments
85-95	-	Not listed
97	-	Railroad Street Market nonclassified establishment
		Rohrbach Brewing Co. brewers

2006

East Main Street

936	-	Not listed
951	-	Ben Barnet Cleaners cleaners
*962	-	Rochester Steel Treating Works heat treating metal
*966	-	Not listed
*972	-	Not listed
*974	-	Not listed
1030	-	Not listed

* =Assessed Property
\+ =Historical Address of Adjoining Property

Railroad Street

45-55	-	Not listed
85-95	-	Not listed
97	-	Railroad Street Market flea market

2001

East Main Street

936	-	Morse William B Lumber Company lumber products
951	-	Bar-Mark Enterprises rental store genl
*962	-	Rochester Steel Treating Works metal heat treating
*966	-	Not listed
*972	-	Not listed
*974	-	Not listed
1030	-	Westcott Truck & Equipment truck dlrs-used

Railroad Street

45-55	-	Not listed
85-95	-	Not listed
97	-	Cubby Hole antiques dlrs Railroad Street Market Mini flea market

1997

East Main Street

936	-	Otis Lumber Company
951	-	Staub's
*962	-	Rochester Steel Treating Works
*966	-	Not listed
*972	-	Not listed
*974	-	Not listed
1030	-	Westcott Truck & Equipment

Railroad Street

45-53	-	Not listed
55	-	Macke Business Products
85-95	-	Not listed
97	-	M & A Pallets

* =Assessed Property
\+ =Historical Address of Adjoining Property

1991

East Main Street

936	-	Otis Lumber Company
		Panel Land real est
951	-	Staub Textile Services Inc. dry cln
		Staub Garment Rental
		Staub Linen Service
*962	-	Rochester Steel Treating Works Inc. heat
*966	-	Not listed
*972	-	Not listed
*974	-	Not listed
1030	-	Westcott Truck & Equipment Company

Railroad Street

45-53	-	Not listed
55	-	A B C Collision auto repair
		Macke Business Products (Purch Ofc)
		Macke (Distribution Cntr)
85-95	-	Not listed
97	-	Rochester Auto Parts whol

1986

East Main Street

936	-	Otis Lumber Company
		Panel Land
951	-	Staub Textile Services Inc. linen supply
		Staub & Son Inc. real est
		Staub Garment Rental
		Staub Linen Service
*962	-	Rochester Steel Treating Works Inc. heat
*966	-	Not listed
*970	-	Vacant
*972	-	Not listed
*974	-	Vacant
1030	-	Westcott Truck & Equipment Company

Railroad Street

45-53	-	Not listed
55	-	A B C Collision (stge)

* =Assessed Property
\+ =Historical Address of Adjoining Property

85-95	-	Not listed
97	-	Rochester Auto Parts whol

1983-84

East Main Street

936	-	Otis Lumber Company
		Panel Land
951	-	Staub Cleaners Inc.
		Staub & Son Inc. real est
		Staub Garment Rental
		Staub Linen Service
*962	-	Rochester Steel Treating Works Inc. heat
*966	-	Not listed
*970	-	Vacant
*972	-	Not listed
*974	-	Sutter's Mill tavern
1030	-	Rabe's Complete Auto Service Inc.

Railroad Street

45-53	-	Not listed
55	-	Western New York Fabricators Inc. (stge)
85-95	-	Not listed
97	-	Rochester Auto Parts auto parts wholesale

1976

East Main Street

936	-	Otis Lumber Company
		Panel Land
951	-	Staub Cleaners Inc.
		Staub & Son Inc. real est.
		Staub Garment Rental
		Staub Linen Service
*962	-	Rochester Steel treating Works Inc. heat
*966	-	Not listed
*970	-	Vacant
*972	-	Apartments
*974	-	Sutter's Mill tavern
1030	-	Rabe's Complete Auto Service Inc.

* =Assessed Property
\+ =Historical Address of Adjoining Property

Railroad Street

45-53	-	Not listed
55	-	Western New York Fabricators Inc. plmb contr
85-95	-	Not listed
97	-	Rochester Auto Parts

1971

East Main Street

936	-	Otis Lumber Company
951	-	Staub Cleaners Inc.
		Staub And Son Inc. real est.
*962	-	Rochester Steel Treating Works Inc. heat
*966	-	Vacant
*970	-	Vacant
*972	-	Apartments
*974	-	Gala Jimmy's Grill tavern
1030	-	Rabe's Complete Auto Service Inc.
+999	-	Clonick Printing Company

Railroad Street

45-53	-	Not listed
55	-	Noah's Ark (Div G A C Merchandising Corp.) auto accessories
85-95	-	Not listed
97	-	Rochester Auto Parts

1966

East Main Street

936	-	Otis Lumber Company
951	-	Staub Cleaners Inc.
*962	-	Rochester Steel Treating Works Inc. heat
*966	-	Vacant
*970	-	Gupp Sign Co. Inc.
*972	-	Apartments
*974	-	Gala Jimmy's Grill
1030	-	Rabe's Complete Auto Service Inc. auto & truck repr & ptng
+999	-	Clonick Printing Company
+1000	-	Better Way Food Markets Inc.
		Frosty Teddy Corp Freezer Food Plan
		Ho Jack Ice Cream Corp.
		Skippy Ice Cream Corp.

* =Assessed Property
\+ =Historical Address of Adjoining Property

Railroad Street

45-53	-	Not listed
55	-	Noah's Ark Auto Accessories Inc.
85-95	-	Not listed
97	-	Fine Papers Division Of Mead Corp.

1961

East Main Street

936	-	Otis Lumber Company
951	-	Staub Cleaners Inc.
		Staub & Son Inc. clns & furriers
*962	-	Rochester Steel Treating Works heat treating
*966	-	Wee Wonder Restaurant
*970	-	Gala Jimmy's Grill
*972	-	Apartments
*974	-	Not listed
1030	-	Rabe's Complete Auto Service Inc.
+999	-	Clonick Printing Company
+1000	-	Langie Fuel Service Inc.

Railroad Street

45-53	-	Not listed
55-85	-	Noah's Ark Auto Accessories Inc.
87-95	-	Not listed
97	-	Fine Papers Inc.

1956

East Main Street

936	-	Otis Lumber Company
951	-	Staub & Son Inc. clnrs
		Sterling Cleaners Inc.
*962	-	Rochester Steel Treating Works heat treating
*966	-	The Lunch Box Restaurant
*970	-	D & M Grill
		DiLalla A & Co. plmb
*972	-	Apartments
*974	-	Not listed
1030	-	Vacant

* =Assessed Property
\+ =Historical Address of Adjoining Property

+999	-	Clonick Printing Company
+1000	-	Langie Fuel Service Inc. bulk station

Railroad Street

45-55	-	Not listed
85	-	Noah's Ark Auto Accessories Inc.
87-97	-	Not listed

1952

East Main Street

936	-	Otis Lumber Company
951	-	Staub & Son Inc. clnrs
		Sterling Cleaners Inc.
*962	-	Vacant
*966	-	The Dog House Restaurant
*970	-	D & M Grill restaurant
*972	-	Apartments
*974	-	Not listed
1030	-	Comstock Lumber Co. Inc.
+999	-	Clonick Printing Company
+1000	-	Langie Fuel Services Inc. bulk station

Railroad Street

45-55	-	Not listed
85	-	Noah's Ark Auto Accessories Inc.
83-95	-	Not listed
97	-	Fine Papers Inc

1946

East Main Street

936	-	Otis Lumber Company
		Morse Wm B Lumber Company
951	-	Staub & Son Inc., clnrs
		Sterling Cleaners Inc.
*962	-	Freer A C Co. Inc. auto rprs
*966	-	R-S-R Restaurant
*968-970	-	Halaby Saml A Co. insecticides
*972	-	Apartments
*974	-	Feasler Arlington B printer

* =Assessed Property
\+ =Historical Address of Adjoining Property

1030	-	Comstock Lumber Company
		Herrick Lumber Company
+999	-	Clonick Printing Company
+1000	-	Vacant

Railroad Street

45-55	-	Not listed
85	-	Noah's Ark Auto Accessories Inc.
		Chazan Saml G purch agt.
83-95	-	Not listed
97	-	Stromberg Carlson Tel. Mfg. Co.

1941

East Main Street

936	-	Otis Lumber Company
		Morse Wm B Lumber Company
951	-	Staub & Son Inc. clnrs
		Sterling Cleaners Inc.
*962	-	Freer A C Co. Inc. auto rprs
*966	-	Deco Rochester Inc. restr
*970	-	Tanner Bros restr
*972	-	Apartments
*974	-	Margaret's Beauty Shop
1030	-	Comstock Lumber Company
		Herrick Lumber Company
+999	-	Aiken Earl sign prtr
		Brown Gay furn div
		Cross Art Products Inc. sewing trays
		Clonick-Feasler Co. printers
		Cuyler Food Products Inc.
+1000	-	Pure Quill Gasoline Corp.

Railroad Street

45-55	-	Not listed
85	-	Noah's Ark Auto Accessories Inc.
		Ireland Howard purch agt.
83-95	-	Not listed
97	-	Vacant

* =Assessed Property
\+ =Historical Address of Adjoining Property

1935-36

East Main Street

936	-	Otis Lumber Company
		Morse Wm B Lumber Company
951	-	Staub & Son Inc. clnrs
		Sterling Cleaners Inc.
*962	-	Freer A C Co. Inc. auto rprs
		Bloss Raymond F auto pntr
*966	-	Vacant
*970	-	Casey Pakt restr
*972	-	Apartments
*974	-	Margaret's Beauty Shop
1030	-	Comstock Lumber Company Inc.
		Herrick Lumber Company Inc.
+999	-	Pritchard Storage & Warehouse Co. Inc.
		Johns-Manville Home Insulation Division asbestos
		Johns-Manville Sales Corp. Asbestos
		Unit Reproducers Mfg. Co. radio parts
		Smith-Murray Corp. asbestos products
+1000	-	Peerless-Rochester Motors Inc. autos

Railroad Street

45-53	-	Not listed
55	-	Clancy Geo M Carting Co. Inc.
85	-	Bishop Oil Co.
		Economics Laboratory Inc. cleaning compounds
		Merchants Forwarding Co.
		Soil fax Co. cleaning compounds
		Piper Glenn R coffee roaster
87-95	-	Not listed
97	-	Bantleon Bros Co. sash doors and interior trim

1931-32

East Main Street

936	-	Otis Lumber Company
		Morse Wm B Lumber Company
951	-	Staub & Son Inc. cleaners & dyers
*962	-	Freer A C Co. Inc. auto rprs
*966	-	Chronis Jas restr
*972	-	Vacant

* =Assessed Property
\+ =Historical Address of Adjoining Property

*974	-	Residential
1030	-	Comstock Lumber Company Inc.
+999	-	Pritchard Storage Warehouse Co. Inc.
		Frigidaire Refrigeration
		Gilbert Appliance Corp.
		O'Brien Steam Specialty Co.
+1000	-	Peerless-Rochester Motors Inc. used car dept.

Railroad Street

45-53	-	Not listed
55	-	Clancy Geo M Carting Co. Inc.
		Algoma Panel Co.
85	-	Bishop Oil Co.
		Economics Laboratory Inc. cleaning compounds
		Piper Glenn R coffee roaster
87-95	-	Not listed
97	-	Bantleon Bros Co. sash doors and interior trim

1926-27

East Main Street

936	-	Otis Lumber Company
		Morse Wm B Lumber Company
951	-	Staub & Son Inc. cleaners & dyers
*962	-	Freer A C Co. auto repairers
*964	-	Vacant
*966	-	Dibble Clarence G barber
*972	-	Pinkman Wales E restaurant
*974	-	Residential
1030	-	Comstock Lumber Company
+976	-	Henderson William B tires
+999	-	Pritchard Storage Warehouse
		Lindsay Asbestos Inc.
		Pierce Stevens Inc. alcohol
		The Boiler & Radiator Corp. radiators
		James & Company employee time recorders
		Lustre Chemical Corp.
		Amalgamated Furniture Factories Inc.
		Stromberg Electric Co. electric clocks
+1000	-	Henner George W automobiles

Railroad Street

* =Assessed Property
\+ =Historical Address of Adjoining Property

45-53	-	Not listed
55-83	-	Smith Perkins & Co. Inc. whol grocers
85-95	-	Not listed
97	-	Bantleon Bros. Co. sash & doors

1923

East Main Street

936	-	Otis Lumber Company
		Morse Wm B Lumber Company
951	-	Staub & Son Inc. cleaners & dyers
*962	-	Bell Wm G planning mill
*964	-	Gibbs Frederick H
*966	-	Beringer Henry H barber
*972	-	Stoll George saloon
*974	-	Residential
1030	-	Comstock Lumber Company
+999	-	Pritchard Storage Warehouse
		Lindsay Asbestos Products Co.
		Pierce & Stevens Inc. oils
+1000	-	Henner George W automobiles

Railroad Street

45-53	-	Not listed
55	-	Monroe Warehouse Co. Inc.
		Dailey John F grain
85-95	-	Not listed
97	-	Bantleon Bros. Co. sash doors etc.

* =Assessed Property
\+ =Historical Address of Adjoining Property

APPENDIX D

REGULATORY RECORDS DOCUMENTATION

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

ITHDS - ≈0.4 mi SE

Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: Davis-Howland Oil Corporation
Site Code: 828088
Program: State Superfund Program
Classification: 04
EPA ID Number:

Location

DEC Region: 8
Address: 200 ANDERSON AVENUE
City:ROCHESTER Zip: 14607
County: Monroe
Latitude: 43.15776187
Longitude: -77.58052395
Site Type: STRUCTURE
Estimated Size: 0.2 Acres

Institutional And Engineering Controls

Control Type:
Environmental Notice

Site Owner(s) and Operator(s)

Current Owner Name: Former Samille Inc
Current Owner(s) Address: 19 Birch Lane
Fairport,NY, 14450
Owner(s) during disposal: Davis-Howland Oil Corporation

Hazardous Waste Disposal Period

From: unknown **To:** unknown

Site Description

Location: The site is located in the Southeast Quadrant of the City of Rochester, in the Atlantic-University neighborhood adjacent to CSXT's Goodman Street Rail Yard. Site Features: The site as originally defined, is a single 0.2 acre industrial parcel of land located at 200 Anderson Avenue. This

parcel and the adjacent, single parcels on the east and west are occupied by the former Davis-Howland Oil Company (DHOC) buildings. Disposal occurred on the 200 Anderson Avenue parcel and two additional parcels immediately to the north (rear). These additional parcels are considered off-site; however they are within the remedial area and subject to the SMP. The Remedy as constructed is actively removing contaminants from soil and groundwater over an approximately one acre area within and surrounding the site parcel. The site neighborhood includes residential, commercial, and industrial facilities. The site itself is bounded on the south by Anderson Avenue, on the east and west by DHOC industrial buildings, and on the north by property belonging to Mr. Gary I. Stern. The rear yard of the site parcel is paved with blacktop which extends to cover the entire Stern parcel and overlaps onto CSX railroad property. Remedial trenches, wells, and sparge and vacuum lines underly the entire Stern parcel and extend onto railroad property. Current Zoning/Use(s): Zoning is commercial/industrial. Remediation of the site allows the property to continue to be used for industrial purposes. Historical Use(s): The current buildings along Anderson Avenue are more than a century old. A hundred years ago the DHOC bordered the Robeson Rochester Company and the Rochester Stamping Company. Robeson Rochester was a cutlery manufacturer. These neighboring companies performed metal fabrication and acid treating. The Davis-Howland Oil Company (DHOC) site remeditation has removed contaminated soil from three off-site locations which likely originated from its former industrial neighbors. Between 1942 and 1972 the site parcel along with five others was used for production of industrial chemicals, oils, greases, and other lubricants. DHOC operated the business from 1972 until 1994. An oil spill complaint in 1991 resulted in Davis-Howland removing all drums of liquid wastes and completing surficial soil clean-up in July 1992. The majority of the hazardous waste disposal, assessment and cleanup occurred on the Stern parcel immediately behind the DHOC buildings. Chemical spills from loading and unloading on the off-site parcels was linked to DHOC and these additional contaminated parcels are managed together with the single "site" parcel. In September of 1994, this site was referred to the State Superfund (SSF) program. A state Superfund Remedial Investigation (RI) was completed in early 1997. Two Records of Decision (RODs) were signed in 1997 and 1998. The RODs called for air sparging, soil vapor extraction and soil removal. Groundwater contamination at deep levels was encountered during pre-design sampling activities, consequently deep groundwater contamination is also addressed in the remedy. The Remedial Design was completed in September of 2000. Remedial construction began in 2001 and was completed in 2002. The remedial components include dual, sparge/ soil-vapor extraction and groundwater pump-and-treat technology. An air stripper and (until 2009) a catalytic oxidizer (CatOx) remove volatile contaminants from the water and air. Water is then discharged to the city sewer. In 2009 the CatOx was disconnected and removed from the site. In its place, an engineered air discharge stack of suitable height was installed. Since 2002, the NYSDEC has been responsible for operation, monitoring, and maintenance of the entire groundwater collection and treatment system, both on-site and off-site. Presently, treated water is being sampled, monitored and discharged through a dedicated discharge line to the sanitary sewer line along Anderson Avenue under permit with discharge limits established by Monroe County. During the 2004 and 2005 heating seasons, the NYSDEC and NYSDOH completed a soil vapor intrusion (SVI) study within the Davis-Howland building and in the downgradient residential area. The active SVI system running in the Davis-Howland building is considered protective of occupants in the

site buildings. Follow-up indoor air sampling in the fall of 2010 in the Stern building on the western edge of the site did not find cVOCs in indoor air which require mitigation. Review by NYSDOH has determined that no further measures are necessary. Routine site management continues and the treatment technology runs continuously. Operable Units: The site was divided into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. Operable Unit 1 (OU1) encompasses the shallow groundwater, surficial soil, and subsurface soil on the site. The ROD required air sparging to treat overburden groundwater, vapor extraction to collect released VOCs and enhance soil cleanup, off-gas treatment, site fencing to protect the treatment plant, and groundwater monitoring. Operable Unit 2 (OU2) encompasses the bedrock groundwater. NYSDEC selected No Further Action as the site remedy for OU2 but included a contingency-- in the event that the OU-1 remedy did not effectively clean up the deeper groundwater, the remedy for OU2 could include groundwater pumping wells and groundwater monitoring. As a result, early on, the decision was made to install two pumping wells and a network of monitoring wells to cleanup continuing contamination in the bedrock aquifer. A groundwater pump-and-treat system has operated continuously at DHOC since 2002. Site Geology and Hydrogeology: The unconsolidated surface geology consists of fine to coarse sand with with some gravel and silt. No significant surface water is located in the immediate area of the site. The bedrock is the mid-upper Silurian, late Niagaran stage, Guelph dolostone of the Lockport group.

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste
TOLUENE (F005)	UNKNOWN
TRICHLOROETHYLENE {(TCE) (F001 WASTE)}	UNKNOWN
2-BUTANONE (A.K.A. METHYL ETHYL KETONE: MEK)	UNKNOWN
1,1,1-TRICHLOROETHANE (F002 WASTE)	UNKNOWN
acetone	UNKNOWN
METHYLENE CHLORIDE (F002 WASTE)	UNKNOWN

Site Environmental Assessment

Nature and Extent of Contamination: In April 1995, NYSDEC concluded that all monitoring well analytical results from the site exceeded the NYSDEC Class GA groundwater standards for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. The designated groundwater chemicals of concern (COCs) included volatiles, SVOCs, pesticides/polychlorinated biphenyls (PCBs), and metals. The highest level of soil contamination was found in the area behind the Davis-Howland building. Shallow soils were contaminated with SVOCs and metals, and subsurface soils with VOCs and, to a lesser extent, SVOCs and metals. Groundwater contamination is highest in shallow groundwater with the area behind the building showing the highest levels. The bedrock groundwater is contaminated at levels generally an order of magnitude less than that observed in

shallow groundwater. Remaining contamination is discussed in the section on post-remediation. Soil: After completion of the surface soil removal IRM, only trace levels of VOC contamination remained in this media. Total SVOC concentrations remaining ranged from non-detect to 448 ppm. In general, the highest levels of contamination were found in the area behind the site building and along the railroad tracks. Individual SVOCs with the greatest exceedances of their respective soil cleanup goals were benzo(a)anthracene (37 ppm) and chrysene (33 ppm). Elevated levels of metals (including cadmium, chromium, mercury, lead, and zinc) were also detected in soil samples. Subsurface soil samples contained higher levels of VOCs, generally at or near the water table. VOCs detected at the greatest concentrations were trichloroethene (6.4 ppm), xylene (5.1 ppm), and toluene (4.6 ppm). SVOCs were not detected at levels of concern in subsurface soil samples. Of the metals, only mercury (0.37 ppm) was detected at a significant concentration. Site-Related Groundwater: Shallow (overburden) groundwater contamination consists mainly of chlorinated solvents (trichloroethene and its degradation by-products), ethylbenzene, toluene, xylene, naphthalene, and lead. Highest contaminant levels were trichloroethene (98 ppm), 1,2-dichloroethene (98 ppm), and 1,1,1-trichloroethane (34 ppm). Shallow groundwater flows to the south with a limited component of flow in a more easterly direction under the site. Data from the Phase I and Phase II investigations indicate that contamination levels in shallow groundwater reach non-detect levels just south of Anderson Avenue in front of the Davis-Howland building. Highest contamination levels were found in the area immediately behind the Davis-Howland building. Bedrock groundwater contamination was found to be of similar components as overburden groundwater, but for the most part at lower concentrations. Highest contaminant levels detected were trichloroethene (0.74 ppm), 1,2-dichloroethene (8.6 ppm), and vinyl chloride (0.84 ppm). Bedrock groundwater appears to flow predominantly to the east. Bedrock groundwater contamination is greatest in the areas of bedrock monitoring wells MW-1R and MW-5R which are located on the south side of Anderson Avenue and northwest of the Davis-Howland building, respectively. Post-Remediation: Soil- The surface soil IRM was completed early in the remedial process. That was followed during the remedial action by the removal of three small areas of surface soil that were contaminated by metals presumably from an earlier industry. Dry soil contaminated from surface leaks and spills has all been removed. Soil contamination remains below the watertable but is being addressed via the groundwater remedy. Soil and water in the saturated zone is being cleaned by the AS/SVE sytem.(Air is injected from below and vacuum is applied from above.) This system works by creating as much soil gas as possible. The vacuum side of the remedial system collects and removes this gas before it can enter any nearby buildings. Groundwater: The groundwater beneath this site, both shallow and deep continues to remain contaminated by chlorinated volatile organic compounds (cVOCs) but at lower levels than prior to remediation efforts. Remedial construction of the air sparge/soil vapor extraction (SVE) treatment system and groundwater extraction and treatment system required by the RODs was completed in 2002. Since that time, the NYSDEC has been responsible for site management of the air sparge/SVE and groundwater collection and treatment systems. Currently, treated water is sampled, monitored and discharged through a dedicated discharge line to the sanitary sewer line along Anderson Avenue, under permit with discharge limits established by Monroe County. Treated air is also being sampled, monitored and discharged in accordance with New York State guidelines. Groundwater quality results from 2013: eleven VOCs were detected at levels that exceed NYSDEC Class GA

groundwater standards. The maximum total cVOC concentration detected in the overburden groundwater samples was 346 µg/L in a sample collected from MW-9S. The maximum total cVOC concentration detected in bedrock groundwater samples was 4,626 µg/L in MW-8R, primarily due to 3,900 µg/L of cis-1,2-DCE. No SVOCs were detected in 2013. Overall, total BTEX concentrations in the overburden have decreased significantly since 1998, with very low BTEX contamination detected in three overburden wells in 2013. BTEX concentrations in the bedrock groundwater have also generally decreased since 1997. Two compounds in 2013 were detected in two wells including benzene at 4.6 µg/L in monitoring well MW-5R. Overall, cVOC concentrations in the overburden wells have decreased significantly since 1997 and cVOC concentrations in the bedrock wells have decreased by about 40% since 1997. Soil Vapor Intrusion concerns in the DHOC building have been mitigated by the operation of the SVE system.

Site Health Assessment

People are not coming into contact with the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Contact with on-site contaminated soil is unlikely unless persons dig below the ground surface. Volatile organic compounds in the groundwater may move into the soil vapor (air between soil particles), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Soil vapor intrusion sampling identified impacts in indoor air quality in the on-site building and actions have been taken to reduce exposure. Environmental sampling indicates that soil vapor intrusion is not a concern off-site.

For more Information: E-mail Us

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

ITWDS- Ad, S

Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: Staubs Textile Services, Inc.
Site Code: 828160
Program: State Superfund Program
Classification: 02
EPA ID Number:

Location

DEC Region: 8
Address: 935, 951 East Main Street
City: Rochester Zip: 14605
County: Monroe
Latitude: 43.161112971
Longitude: -77.586560984
Site Type:
Estimated Size: 1.2 Acres

Site Owner(s) and Operator(s)

Current Owner Name: 951 East Main Street, LLC
Current Owner(s) Address: c/o Woods Oviatt Gilman, LLP
Rochester,NY, 14614

Site Description

Location: This Site is located at 951, 935 East Main Street in the City of Rochester, Monroe County. The 1.2 acre site is located in a mixed commercial/residential area on the northeast side of the city. Site Features: The majority of the Site is occupied by the vacant on-site building with a paved parking area and loading dock on the the west side and a small paved driveway on the east side of the property. The Site is bound by East Main Street to the north, commercial properties to the west and east and a residential neighborhood to the south. Current Zoning/Use(s): The site is currently inactive and is zoned for commercial use. Historic Use(s): This site has a 70-year history of use as an industrial laundry and dry cleaning service.

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste
tetrachloroethene (PCE)	UNKNOWN

Site Environmental Assessment

The primary contaminant of concern at the site is tetrachloroethene (PCE). PCE (9470 ppm) detected in soil samples collected at the southern part of the site, substantially exceed soil cleanup objectives, unrestricted of 1.3 ppm for PCE. Groundwater sampling, also at the southern part of the site, has revealed that concentrations of PCE (118,000 ppb) and trichloroethene TCE (22,100 ppb) detected in groundwater samples substantially exceed NYS Class GA groundwater standards of 5 ppb for both PCE and TCE. Investigation is continuing. An IRM was implemented in 2013 to extract contamination from the source area beneath the building and destroy the contaminants of concern.

Site Health Assessment

People are not likely to come into contact with contaminated on-site soils because buildings and pavement cover the site. Public water serves the area; therefore, people are not drinking the contaminated groundwater. NYSDOH and NYSDEC will conduct additional investigations to determine the potential for soil vapor intrusion into structures.

For more Information: E-mail Us

Refine This Search

Environmental Site Remediation Database Search Details

Site Record

JTWDS - ≈0.5 mi W/SW

Administrative Information

Site Name: Former Elite Vogue Dry Cleaners
Site Code: 828164
Program: State Superfund Program
Classification: P *
EPA ID Number:

Location

DEC Region: 8
Address: 527-533 East Main Street
City: Rochester Zip: 14604
County: Monroe
Latitude: 43.158750176
Longitude: -77.59829099
Site Type:
Estimated Size: 0.126 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Jung Sook Choi
Current Owner(s) Address: 904 Genesee Street
Rochester,NY, 14611

Site Description

Location: The Former Elite Vogue Dry Cleaners site is located at 527-533 East Main Street on a 0.126-acre parcel. The site is located in the downtown area of the City of Rochester, Monroe County. Site Features: The entire site is occupied by a one story, multi-use commercial structure. It is bordered to the north by East Main Street, to the east by a paved parking lot, to the south by Haags Alley and to the west by a commercial building. Current Zoning/Use(s): The site is currently a multi-occupant small structure and is zoned Center City District. Historical Use(s): The site was occupied by a dry cleaner from 1936 through 2003. Site Geology and Hydrogeology: Results of previous investigations of adjacent properties by others indicate that groundwater flow is generally to the east. Groundwater was encountered at an average depth of approximately 10 feet below ground surface. Soils at adjacent properties consist of the fill material, silty sand, with lesser amounts of gravel and clay. Bedrock was encountered at 12 feet below ground surface.

Site Environmental Assessment

Based upon investigations conducted to date, the primary contaminants of concern include tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride (VC) and xylene. Soil - Cis-1,2-DCE and xylene are found in shallow soil within the building near the former underground storage tanks (USTs). Concentrations of xylene found on-site (68 ppm) exceed the soil cleanup objective (SCO) for unrestricted use (0.26 ppm). Concentrations of cis-1,2-DCE found on-site (16 ppm) exceed the soil cleanup objectives for unrestricted use (0.25 ppm). Concentrations of PCE found at the bottom of tank pit in Area 1 (1,400 ppm) exceed the soil cleanup objective (SCO) for unrestricted use (1.3 ppm). Groundwater - Cis-1,2-DCE and xylene are also found in groundwater at the site. Concentrations of cis-1,2-DCE found on-site exceed groundwater standards (5 ppb), with a maximum concentration of 9,300 ppb. Concentrations of xylene found on-site exceed groundwater standards (5 ppb), with a maximum concentration of 2,300 ppb. Soil Vapor - Soil vapor samples taken off-site indicate that PCE (71.1 micrograms per cubic meter), TCE (42.7 micrograms per cubic meter), cis-1,2 DCE (23,600 micrograms per cubic meter) and vinyl chloride (6,640 micrograms per cubic meter) are present in the soil vapor.

Site Health Assessment

People who dig below the ground surface may come into contact with contaminants in subsurface soil. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. On and off-site buildings must be sampled to determine whether people could be coming in contact with site related contaminants due to soil vapor intrusion.

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* **Class P Sites:** "DEC offers this information with the caution that it should not be used to form conclusions about site contamination beyond what is implied by the classification of this site, namely, that there is a potential for concern about site contamination. Information regarding a Class P site (potential Registry site) is by definition preliminary in nature and unverified because the DEC's investigation of the site is not yet complete. Due to the preliminary nature of this information, significant conclusions or decisions should not be based solely upon this summary."

For more Information: E-mail Us

Refine This Search

PBS # : 8-445029

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 5/13/2016

Site Information

STAUB TEXTILE SERVICES INC
951 EAST MAIN STREET
ROCHESTER, NY 14605

Tax Map Information

Boro/Sec.:
Block:
Lot:

Site Owner Information

REBECCA BARNET
18 BRETTON WOODS DRIVE
ROCHESTER, NY 14618

(716) 271-4200

Mail Correspondent Information

STAUB TEXTILE SERVICES INC
951 EAST MAIN STREET
ROCHESTER, NY 14605

PBS
Adj S

Site Phone: (716) 271-4200
Town: Rochester (c) County: Monroe
Class B (On-Site) Operator: STAUB TEXTILE SERVICES INC
Class A (Primary) Operator:
Emergency Contact: RAY FORMELLA

Owner Type : Corporate/Commercial/Other
Emergency Phone: (716) 467-9182

ATTN:
(716) 271-4200
Authorized Representative:

Site Status : Unregulated/Closed Reg Expires : 06/28/2003 Cert Printed: 07/02/1998 Total Active Tanks : 0 Last Inspected:
Site Type: Trucking/Transportation/Fleet Operation Cert Issued: 06/18/1998 Total Active Capacity : 0 Inspected By:

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	Next Tank Test	Next Line Test	Tank Owner
001	5	3	09/01/1982	11/01/1998	10,000	0008	01	00	00	00	00	00		02	02	02	00						

(See Reverse Side or Last Page for Code Keys)

PETROLEUM BULK STORAGE APLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, leggs, stilts, rack or cradle
4. Tank 10% or more below ground
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

D. Delivery Prohibited

Products Stored (7)

Heating Oils: On-Site Consumption

0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene
0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Heating Oils: Resale/ Redistribution

2718. #2 Fuel Oil
2719. #4 Fuel Oil
2720. #5 Fuel Oil
2721. #6 Fuel Oil
2722. Kerosene
2723. Clarified Oil
2724. Biodiesel (Heating)

Motor Fuels

0009. Gasoline
2712. Gasoline/Ethanol
0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Lubricating/Cutting Oils

0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used as Building Materials

2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits

0014. White/Mineral Spirits
1731. Naptha

Mineral/Insulating Oils

0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils

0022 Waste/Used Oil
9999. Other-Please list:*

Crude Oil

0006. Crude Oil
0701. Crude Oil Fractions

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)

00. None
01 Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07 Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other - Please List:*

Tank Leak Detection (12)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
07. Statistical Inventory Reconciliation (SIR)
08. Weep holes in vaults with no access for inspection.
99. Other-Please list:*

Overfill Protection (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)

00. None
01. Catch Basin
99. Other-Please list:*

Pumping/Dispensing Method (15)

00. None
01. Presurized Dispenser
02. Suction Dispenser
03. Gravity
04. On-Site Heating System (Suction)
05. On-Site Heating System (Supply/Return)
06. Tank-Mounted Dispenser
07. Loading Rack/Transfer Pump

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other - Please List:*

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Insterstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
10. Statistical Inventory Reconciliation (SIR)
99. Other-Please list:*

Under Dispenser Containment (UDC) (21)

Check Box if Present _____

* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

PBS # : 8-601228

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 5/13/2016 pbsfacrpt_foil.rpt

PBS-Adj to E

Site Information

RAILROAD STREET ASSOCIATES, LLC
55 RAILROAD STREET
ROCHESTER, NY 14609

Site Phone: (585) 455-4565
Town: Rochester (c) County: Monroe
Class B (On-Site) Operator: NICK COSTANZA
Class A (Primary) Operator:
Emergency Contact: NICK COSTANZA

Tax Map Information

Boro/Sec.:
Block:
Lot:

Site Owner Information

RAILROAD STREET ASSOCIATES, LLC
800 TEMPLE BLDG, 14 FRANKLIN
ROCHESTER, NY 14604

(585) 232-3600
Owner Type : Corporate/Commercial/Other

Mail Correspondent Information

RAILROAD STREET ASSOCIATES, LLC
800 TEMPLE BUILDING
14 FRANKLIN STREET
ROCHESTER, NY 14604

ATTN: NICK & JAMES COSTANZA

(585) 232-3600

Authorized Representative: JAMES COSTANZA
Emergency Phone: (585) 455-4565

Site Status : Unregulated/Closed Reg Expires : 08/14/2011 Cert Printed: 08/14/2006 Total Active Tanks : 0 Last Inspected:
Site Type: Manufacturing (Other than Chemical)/Processing Cert Issued: 08/14/2006 Total Active Capacity : 0 Inspected By:

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	Next Tank Test	Next Line Test	Tank Owner
001	5	4		07/13/2006	5,000	0001	01	00	00	00	00	00	00	02	01	01	00	00	00				

(See Reverse Side or Last Page for Code Keys)

PETROLEUM BULK STORAGE APLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, leggs, stilts, rack or cradle
4. Tank 10% or more below ground
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

D. Delivery Prohibited

Products Stored (7)

Heating Oils: On-Site Consumption

0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene
0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Heating Oils: Resale/ Redistribution

2718. #2 Fuel Oil
2719. #4 Fuel Oil
2720. #5 Fuel Oil
2721. #6 Fuel Oil
2722. Kerosene
2723. Clarified Oil
2724. Biodiesel (Heating)

Motor Fuels

0009. Gasoline
2712. Gasoline/Ethanol
0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Lubricating/Cutting Oils

0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used as Building Materials

2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits

0014. White/Mineral Spirits
1731. Naptha

Mineral/Insulating Oils

0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils

0022 Waste/Used Oil
9999. Other-Please list:*

Crude Oil

0006. Crude Oil
0701. Crude Oil Fractions

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)

00. None
01 Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07 Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other - Please List:*

Tank Leak Detection (12)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
07. Statistical Inventory Reconciliation (SIR)
08. Weep holes in vaults with no access for inspection.
99. Other-Please list:*

Overfill Protection (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)

00. None
01. Catch Basin
99. Other-Please list:*

Pumping/Dispensing Method (15)

00. None
01. Presurized Dispenser
02. Suction Dispenser
03. Gravity
04. On-Site Heating System (Suction)
05. On-Site Heating System (Supply/Return)
06. Tank-Mounted Dispenser
07. Loading Rack/Transfer Pump

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other - Please List:*

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Insterstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
10. Statistical Inventory Reconciliation (SIR)
99. Other-Please list:*

Under Dispenser Containment (UDC) (21)

Check Box if Present _____

* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

Soil
Air
Water Environmental Services, Inc.

TANK CLOSURE REPORT

COMPANY:	S.A.W. Environmental Services, Inc.
ADDRESS:	672 Frey Road, Macedon, New York 14502
PHONE:	(315) 986-4751
DATE:	July 28, 2006
CLIENT:	Railroad Street Associates, LLC 800 Temple Building 14 Franklin Street Rochester, New York 14604
PROJECT LOCATION:	55 Railroad Street Rochester, New York 14609
WORK PERFORMED:	Close in place one (1) Underground Storage Tank.
TANK CLOSURE DATE:	July 13, 2006
TANK DESCRIPTION:	Abandoned 5,000-Gallon single-walled carbon steel underground fuel oil tank previously used to supply heating oil to the former Noah's Ark Building. Date of install and abandonment is unknown. The tank was installed perpendicular to the northeast corner of the coal storage building identified by a brick emission stack. A series of 4-inch diameter electrical conduits over the tank prevented its removal from the ground. The conduits were installed in 2004 to supply power to the building.

SITE ASSESSMENT

Contents:

The west end of the tank contained approximately four cubic yards of ash material mixed with coal cinders and concrete spoils. An attempt was apparently made by others to fill the tank in place through its 18-inch diameter manway. The ash material had not been impacted by petroleum as it lacked measurable PID readings and petroleum like odors.

In addition to the solids dumped into the tank, approximately 480 gallons of petroleum-impacted water and 200-gallons of oily sludge was inside. It is likely that the water entered the tank

through the unsecured manway.

Condition of Tank: Railroad Street Associates personnel under the direction of SAW cut a six-foot by four-foot opening on top of the tank for access. SAW entered the tank for cleaning and internal inspection. After removing all residual fuel and sludge (ash material remained inside the tank), SAW inspected the tank for the presence of corrosion holes and/or fissures. The tank appeared in good condition and only minor pitting was observed. Corroded holes were not present.

Condition of Piping: The fuel line / fill port was not observed. It is possible that it was removed when the tank was abandoned.

Soil Conditions: SAW directed Railroad Street Associates personnel to excavate down the south side of the tank until soils under the tank undermined. A MiniRae 2000® Photoionization Detector (PID) was used to measure possible petroleum vapors emanating from the excavated soils. SAW also relied on visual and olfactory evidence of petroleum impairment. Neither odors, staining nor PID vapor measurements were encountered in the tank pit soils. Soils were comprised of sand within the tank pit and native silt and clay outside the tank pit.

A soil sample representing the base of the tank pit was placed into a sealed glass sample jar and submitted to Paradigm Environmental for analysis of volatile organic compounds and semi-volatile organic compounds using EPA Method 8021 (NYSDEC STARS list compounds) and EPA Method 8270 (NYSDEC STARS list compounds).

Results of the testing revealed no VOCs or SVOCs in the sample matrix (See ***Appendix C***).

METHOD OF TANK CLOSURE:

Ms. Wendy Stevenson of the NYSDEC Petroleum Bulk Storage Unit was notified of the tank removal project. Since the total capacity of the tanks exceeded 1,100-gallons, NYSDEC closure registration is required under authority of Article 17, Titles 3 and 10 of the New York State Conservation Law. As such, a PBS Registration Application was completed by SAW. Mr. James Costanza of Railroad Street Associates was informed to sign the original copy and mail the registration to Ms. Stevenson for her records. An unsigned copy of the completed registration is annexed as ***Appendix A***.

SAW obtained a permit from the City of Rochester. Lt. Gary Isaacs approved of the in-place closure and was present during closure operations. A copy of the permit is included in ***Appendix B.***

Nicholas Costanza, Site Owner uncovered the tank including soils along the sidewalls using an

excavator. A series of four-inch electrical conduits were installed over the west end of the tank. As such, Mr. Costanza requested that the tank be closed-in place to prevent damage to the electric conduits.

Mr. Costanza under SAW's guidance removed an approximately six-foot by four-foot portion of steel from the top of the tank. Prior to cutting, the tank was purged of possible flammable vapors using CO2. SAW contacted NOCO Oil Company to pump out all residual water and oil from the tank (See Bill of Lading in ***Appendix B***). After pump-out, SAW personnel entered the tank and removed approximately 200-gallons of oily sludge and debris, which were placed in four (4) 55-gallon drums. SAW made arrangements with New York Environmental Technologies, Inc. to properly dispose of the drums.

The ash/cinder material at the west end of the tank remained and was not deemed impacted by petroleum. Utilizing the excavator bucket, the ash material was spread down the center of the tank knowing that the ash material would solidify upon introduction of the flowable fill.

Mr. Costanza ordered 20 cubic yards of flowable fill from Northrup Materials, Inc., which consisted of a mixture of concrete, ash and water. The fill has minimal shrinkage and hardens to dense friable sand. After collecting a representative soil sample from the base of the tank, the sidewalls were backfilled with the original material. The steel cover was placed back over the tank opening and the top of the tank was backfilled with native material.

Photographs of the closure activities are annexed as ***Appendix D.***

CONCLUSION

SAW was retained by Railroad Street Associates, LLC to close in place one (1) abandoned 5,000-gallon underground fuel oil storage tank previously used to store heating oil at 55 Railroad Street, Rochester, New York.

The UST was filled with flowable fill. Approximately six yards of ash/cinder material was placed inside the tank by others in an apparent attempt to fill the tank. This material was not contaminated by petroleum and was subsequently spread along the base of the tank and solidified upon the introduction of the flowable fill.

A soil sample analyzed from the base of the tank pit did not reveal the presence of impacted soils. In addition, soils originating from the sidewalls of the tank did not reveal the presence of petroleum vapor or odor. The tank had not created a condition that would pose an environmental liability onto Railroad Street Associates.

Should you have any questions or comments regarding this report, please contact me.

Sincerely,
S.A.W. ENVIRONMENTAL SERVICES, INC.

Frank R. Thomas
Environmental Analyst / Partner

C.c. Nicholas & James Costanza – Railroad Street Associates, LLC

CBS # 8-000124

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Chemical Bulk Storage Program
Facility Information Report - not releasable under FOIL

Printed : 5/13/2016

CBS-Assessed Property (AP)

Site: ROCHESTER STEEL TREATING
962 E. MAIN ST.
ROCHESTER, NY 14605
(716) 546-3348

Owner: LAROCHE INDUSTRIES, INC.
1100 JOHNSON FERRY ROAD, N.E.
ATLANTA, GA 30342

Mail: LAROCHE INDUSTRIES INC.
1100 JOHNSON FERRY ROAD, N.E.
ATLANTA, GA 30342

Town: Rochester (c) **County:** Monroe
Class B (On-Site) Operator: KEITH HEIDEN **Auth. #:**
Class A (Primary) Operator: **Auth. #:**
Emergency Contact : HENRY BECKLEY (716) 546-3348
Owner Type : Corporate/Commercial/Other
ATTN: LILLY JOSEPH
Auth Rep:

Site Status : Unregulated/Closed
Site Type: Manufacturing (Other than Chemical)/Processing
Total Active Tanks : 0
Active Capacity : 0
Reg Expires : 07/07/2001
Cert Printed: 05/21/1999
SPR:
Last Inspected:
Inspected By:

	(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	Haz Substance Name	CAS Number	% of Haz Sub
1		1	3	07/01/1984	09/01/2000	500	01	00	01	00	00	04		01	01	00	00		ammonia	7664-41-7	85

HAZARDOUS SUBSTANCE BULK STORAGE APLICATION - TANK INFORMATION - CODE KEYS

Action (1)
1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)
1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Tank with 10% or more below ground
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)
1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

D. Delivery Prohibited

Tank Type (8)
01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)
00. None
01 Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)
00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07 Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)
00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other - Please list*

Tank Leak Detection (12)
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
99. Other-Please list: *

Overfill Protection (13)
00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)
00. None
01. Catch Basin
02. Transfer Station Containment
99. Other-Please list:*

Piping Location (16)
00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)
00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)
00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list: *

Pipe Leak Detection (20)
00. None
01. Interstitial Electronic Monitoring
02. Insterstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
99. Other-Please list:*

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* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

CBS-AP

(cbsapplicationA-march05)

New York State Department of Environmental Conservation
Division of Environmental Remediation

Hazardous Substance Bulk Storage Application

Pursuant to the Hazardous Substance Bulk Storage Law, Article 40 of ECL and 6 NYCRR 595-599

Please Type or Print Clearly and Complete All Items

Section A

(See enclosed instructions and please be sure to complete Sections A & B)

Return Completed Form & Fees To:
NYSDEC
Spill Prevention &Bulk Storage Section
625 Broadway, 11th Floor
Albany, NY 12233-7020

Expiration Date:

CBS Number
8-000338

DEC PBS Number: (If applicable)

DEC MOSF Number: (If applicable)

DEC SPDES Number: (If applicable)

Transaction Type
(Check all that apply)
NOTE: Transaction Types 1, 2 and 5 require a fee

- [ ] 1)Initial/ New Facility
- [x] 2)Change of Ownership
- [ ] 3)Substantial Tank Modification
- [x] 4)Information Correction
- [x] 5) Renewal

FACILITY

Facility Name: ROCHESTER STEEL TREATING
Location (Not P.O. Boxes): 962 EAST MAIN STREET
Location (cont.):
City: ROCHESTER | State: NY | Zip Code: 14605
County: MONROE | Township or City: ROCHESTER (C)
Name of Operator at Facility: KEITH HEIDEN | Facility Telephone Number: (585) 546-3348
Emergency Contact Name: KEITH HEIDEN | Emergency Telephone Number: (585) 671-0138

OWNER

Owner Name: ROCHESTER STEEL TREATING
Address (Street and/or P.O.): 962 EAST MAIN STREET
City: ROCHESTER | State: NY | Zip Code: 14605
Federal Tax ID Number: 16-0907117 | Owner Telephone Number: (585) 546-3348
Type of Owner: 1[ ] Private Resident 2[ ] State Government 3[ ] Local Government 4[ ] Federal Government 5[x] Corporate/Commercial

TYPE OF CHEMICAL FACILITY (Check only one)

- [ ] 01=Storage Terminal
- [ ] 02=Retail Gasoline Sales
- [x] 04=Manufacturing(Other Than Chemical)/Processing
- [ ] 06=Trucking/Transportation /Fleet Operation
- [ ] 08=School
- [ ] 10=Private Residence
- [ ] 12=Chemical Distributor
- [ ] 15=Railroad
- [ ] 20=Chemical Manufacturing
- [ ] 03=Other Wholesale/Retail Sales
- [ ] 05=Utility (Other Than Municipal)
- [ ] 07=Apartment Building
- [ ] 09=Farm
- [ ] 11=Airline/Air Taxi
- [ ] 13=Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools,etc.)
- [ ] 21=Swimming Pools (Other than Municipal)
- [ ] 99=Other (Specify)_____

I hereby certify that the information on this form is true and correct. False statements made herein may be punishable as a criminal offense in accordance with applicable State and federal law. The facility has maintained its requirements relating to daily, monthly, annual and five year inspections as required by Part 598.7 and has had its SPR annually updated as required by Part 598.1(k).

Name of Owner or Authorized Representative: BRIAN MILLER | Amount Enclosed: $ 50
Title: CHIEF OPERATING OFFICER
Signature: | Date:

Spill Prevention Report

In addition, a copy of the Spill Prevention Report (SPR)'s cover page, table of contents and signature page is submitted.

SPR: YES [x] NO [ ]

CORRESPONDENCE

(Please keep up to date - this information is used for mailing and contact purposes)

Attention: BRIAN MILLER
Name of Company: ROCHESTER STEEL TREATING
Address: 962 EAST MAIN STREET
Address:
City/State/Zip Code: ROCHESTER, NY 14605
Telephone Number: (585) 546-3348 | E-Mail Address: BMILLER@RSTWINC.COM

OFFICIAL USE ONLY

Page____ of ____
Date Received ___ ___ ___
Date Processed ___ ___ ___
Amount Received $ _____
Reviewed by _____

CBS Number:
8-000338

Section B - Tank Information

(See enclosed instructions and *use the key located on the bottom of this sheet to complete each item/column)*

Registration Expiration Date:

(1) Action	(2) IMPORTANT: Tank number is required. If tank and piping models are entered then the shaded columns DO NOT have to be supplied. Tank and piping model codes are on the CBS instruction sheet provided. Tank Model / Piping Model / Tank Number	(3) Tank Location	(4) Status	(5) Installation or Permanent Closure Date (Month/ Day/Year)	(6) Capacity (Gallons	(8) Tank Type	(9) Tank Internal Protection	(10) Tank External Protection	(11) Tank Secondary Containment	(12) Tank Leak Detection	(13) Tank Overfill Prevention	(14) Spill Prevention	(16) Piping Location	(17) Piping Type	(18) Piping External Protection	(19) Piping Sec Containment	(20) Piping Leak Detection	Hazardous Substance Name (List all Part 597 Substances, if more than 3 please list on separate sheet)	CAS Number	% of Haz Sub	Tank Fee $
4	002	1	1	09/01/2000	500	01	00	01	01	06	04	01	01	01	01	01	00	1) AMMONIA 2) 3)	7664-41-7	85	50
																		1) 2) 3)			
																		1) 2) 3)			
																		1) 2) 3)			
																		1) 2) 3)			

Action (1)
1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/ Reline Tank

Status (4)
1. In-service
2. Temporarily out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Tank Location (3)
1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack, or cradle
4. Aboveground with 10% or more below ground
5. Underground
6. Underground, vaulted, with access

Tank Type (8)
01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-please list:*

Internal Protection (9)
00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-please list:*

External Protection (10/18)
00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-please list:*

Tank Leak Detection (12)
00 None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (ATG)
06. Impervious Barrier/Concrete Pad (A/G)
99. Other-please list:*

Piping Type (17)
00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-please list:*

Overfill Prevention(13)
00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-off
04. Product Level Gauge(A/G)
05. Vent Whistle
99. Other-please list:*

Secondary Containment (11/19)
00. None
01. Diking (A/G)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (U/G)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation/Trench Liner System
08. Flexible Internal Liner (Bladder)
09. Modified Double-Walled (A/G)
10. Impervious Underlayment
11. Double Bottom (A/G)
99. Other-please list:*

Spill Prevention (14)
00. None
01. Catch Basin
02. Transfer Station Containment
99. Other - Please list*

Piping Location (16)
00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Pipe Leak Detection (20)
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
08. Tank Top Sump (Piping)
09. Exempt Suction Piping
99. Other-please list:*

*** If other, please list on a separate sheet including Tank Number**

CBS # 8-000175

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Chemical Bulk Storage Program
Facility Information Report - not releasable under FOIL

Printed : 5/23/2016

CBS- AP

Site: ROCHESTER STEEL TREATING WORKS INC.
962 EAST MAIN ST.
ROCHESTER, NY 14065
(716) 546-3348

Owner: ROCHESTER STEEL TREATING WORKS
962 EAST MAIN ST.
ROCHESTER, NY 14065

Mail: ROCHESTER STEEL TREATING
962 EAST MAIN ST.
ROCHESTER, NY 14065

Town: Rochester (c) County: Monroe
Class B (On-Site) Operator: KEITH HEIDEN Auth. #:
Class A (Primary) Operator: Auth. #:
Emergency Contact : KEITH HEIDEN (716) 671-0138
Auth Rep:
Owner Type : Corporate/Commercial/Other
ATTN: KIMBERLY MILLER WILBORN

Site Status : Unregulated/Closed
Site Type: Manufacturing (Other than Chemical)/Processing
Total Active Tanks : 0
Active Capacity : 0
Reg Expires : 11/19/1999
Cert Printed: 12/27/1999
SPR:
Last Inspected:
Inspected By:

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	Haz Substance Name	CAS Number	% of Haz Sub
003	1	3	06/01/1987	05/01/2001	220	01	00	01	01	00	00		01	01	00	00		1,1,2-trichlorethylene	79-01-6	50
002	6	4	07/01/1983	12/01/1999	1,050	99	00	01	00	00	04		01	01	01	00		methanol	67-56-1	100

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Tank with 10% or more below ground
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

D. Delivery Prohibited

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)

00. None
01 Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07 Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other - Please list*

Tank Leak Detection (12)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
99. Other-Please list: *

Overfill Protection (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)

00. None
01. Catch Basin
02. Transfer Station Containment
99. Other-Please list:*

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list: *

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Insterstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
99. Other-Please list:*

---

* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

CBS # 8-000250

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Chemical Bulk Storage Program
Facility Information Report - not releasable under FOIL

Printed : 5/13/2016

CBS - Adj to South/SE

Site: STAUB TEXTILE SERVICES INC
951 E MAIN STREET
ROCHESTER, NY 14605
(716) 271-4200

Owner: REBECCA BARNET
18 BRETTON WOODS DRIVE
ROCHESTER, NY 14618

Mail: STAUB TEXTILE SERVICES INC
951 E MAIN STREET
ROCHESTER, NY 14605

Town: Rochester (c) **County:** Monroe
Class B (On-Site) Operator: GRAHAM BRADLEY **Auth. #:**
Class A (Primary) Operator: **Auth. #:**
Emergency Contact : GRAHAM BRADLEY (716) 271-4200
Auth Rep:
Owner Type : Corporate/Commercial/Other
ATTN: MR. JEFF SCHOTT

Site Status : Unregulated/Closed
Site Type: Other
Total Active Tanks : 0
Active Capacity : 0

Reg Expires : 09/12/1999
Cert Printed: 09/18/1997

SPR:
Last Inspected:
Inspected By:

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	Haz Substance Name	CAS Number	% of Haz Sub
001	3	3		11/01/1998	350	01	00	01	00	00	04		01	01	00	00		tetrachloroethene (PCE)	127-18-4	100

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Tank with 10% or more below ground
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

D. Delivery Prohibited

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)

00. None
01 Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07 Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other - Please list*

Tank Leak Detection (12)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
99. Other-Please list: *

Overfill Protection (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)

00. None
01. Catch Basin
02. Transfer Station Containment
99. Other-Please list:*

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list: *

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Insterstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
99. Other-Please list:*

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* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

BCP - ≈0.2 mi SE

Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: Rochester Drug Cooperative Building
Site Code: C828115
Program: Brownfield Cleanup Program
Classification: C
EPA ID Number:

Location

DEC Region: 8
Address: 320 N. Goodman Street
City: Rochester Zip: 14607
County: Monroe
Latitude: 43.15991429
Longitude: -77.58416436
Site Type: STRUCTURE
Estimated Size: 2.699 Acres

Institutional And Engineering Controls

Control Type:
Environmental Easement

Site Owner(s) and Operator(s)

Current Owner Name: Gary and Marcia Stern Family Limited Partnership
Current Owner(s) Address: 274 N. Goodman Street
Rochester,NY, 14607

Site Document Repository

Name: Rochester Public Library
Address: 115 South Avenue
Rochester,NY 14604

Site Description

The Former Rochester Drug Cooperative site is a 2.7 acre property located at 320 North Goodman Street in the City of Rochester. The site is immediately adjacent to a railyard and a commercial

property and it is served by public water and sewers. Other nearby properties are a mix of residential and commercial uses. A 62,000 square-foot one and two-story building with a partial basement occupies the western portion of the property. Past uses of the site include a lumberyard, furniture manufacturing, offices, and warehousing. Currently the building is subdivided and occupied by multiple tenants. Previous investigations at the site identified significant petroleum contamination in soil and groundwater. The source of this contamination was four underground storage tanks that were formerly located on the eastern portion of the property. Two tanks were reportedly removed in the early 1970's and one tank was removed in 1998. There is no closure documentation for the fourth tank. An IRM soil removal was completed in April 2005, and no tanks were encountered during excavations. Contaminated soils were treated in an on-site bio-pile. Petroleum contaminants in groundwater have been significantly reduced and only low levels remain on a portion of the site. A sub-slab depressurization system (SSDS)is operating in the building to mitigate the potential for indoor contamination. The site is capped by an asphalt parking lot and the on-site building. A site management plan has been developed to address periodic groundwater monitoring, continued operation of the SSDS, and management of residual contamination in soils. A final engineering report documents completion of remedial actions and no further actions are required. A Certificate of Completion was issued on December 31, 2009.

Summary of Project Completion Dates

Projects associated with this site are listed in the Project Completion Dates table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as groundwater or contaminated soil), geographic area, or other factors.

Project Completion Dates

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste
xylene (mixed)	UNKNOWN
1,2,4-trimethylbenzene	UNKNOWN
ethylbenzene	UNKNOWN
benzene	UNKNOWN
toluene	UNKNOWN

Site Environmental Assessment

Petroleum contaminated soils and groundwater at levels as high 2,100 ppm total petroleum-related VOCs in soil and 100 ppm total petroleum-related VOCs in groundwater were documented by previous investigation reports. Approximately 2,100 cubic yards of petroleum contaminated soils were excavated in 2005 and were treated in an ex-situ biopile adjacent to the site. The excavations extended to bedrock which is approximately 15 feet below ground surface. Approximately 40,000 gallons of

contaminated groundwater were collected and disposed of off-site during these soil excavations. After completion of the soil removal, a groundwater investigation and monitoring program was implemented and a sub-slab depressurization system was installed in the on-site building. Petroleum contamination in groundwater has been significantly reduced to levels ranging from non-detect to 90 ppb total VOCs. Residual levels of petroleum-related VOC compounds remain in soil. A site management plan has been developed to address continued groundwater monitoring, operation of the sub-slab depressurization system, and management of residual contamination in soils. An environmental easement was executed to ensure the SMP is implemented on-site. The final engineering report indicates no further actions will be required at this time other than maintaining institutional controls governing use of the site. As of January 2015, VOCs in groundwater have been non-detectable below the groundwater standard for several sampling events. No further groundwater monitoring will be required. Continued operation of the sub-slab depressurization system is required.

Site Health Assessment

Homes and businesses in the vicinity of the site are served by public water so exposures via drinking water are not expected. NYSDOH and NYSDEC will evaluate the need for additional investigations to determine the potential for soil vapor intrusion into structures on or near the site.

For more Information: E-mail Us

Refine This Search

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BCP - Adj S

Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: Former Staub's Textile Service, Inc.
Site Code: C828160
Program: Brownfield Cleanup Program
Classification: N *
EPA ID Number:

Location

DEC Region: 8
Address: 935, 951 East Main Street
City: Rochester Zip: 14605
County: Monroe
Latitude: 43.011111111
Longitude: -77.586388889
Site Type:
Estimated Size: 1.2 Acres

Site Owner(s) and Operator(s)

Current Owner Name: 951 East Main Street, LLC
Current Owner(s) Address: 10 Rustic Pine
Pittsford,NY, 14534

Site Document Repository

Name: Document Repository
Address: 115 South Avenue
Rochester,NY 14604-1896

Site Description

This is a new BCP Application that pertains to the property located at 935/951 East Main Street in the city of Rochester, Monroe County). This site is approximately 1.2 acres in size. The Former Saub's Textile Service Site is located in an urban area of the City of Rochester. The site is approximately 1.0 mile east of downtown Rochester on the south side of East Main Street. The main site features comprised of an unoccupied building (80%) surrounded by paved parking areas and roadways (20%). The entire site is covered by building or pavement. The site is currently inactive, and is zoned for commercial use. The future intended use is commercial. The surrounding parcels are currently used for

a combination of commercial, light industrial, and residential. The nearest residential area adjoins the site to the south. Until 2005 the site was used for a commercial laundry and dry cleaners. The site is known to have operated as a dry cleaners since the 1920's. The site remedial program will be performed by The Pike Company as a volunteer in the DEC's Brownfield Cleanup Program. The site will be divided into {two} operable units. Operable unit 1 (OU1) is the on-site source area. OU2 consists of the off-site groundwater and soil vapor plumes. Phase I & II Environmental Site Assessments were performed for the site by Passero Associates in 2009. Known or suspected contaminants at this site are chlorinated solvents (Perc) and some petroleum. These contaminants are impacting the soil and groundwater. Soil gas is suspected to also be a concern. This BCP Application is currently under review and the Department of Environmental Conservation will determine the application's approval and eligibility. Reclassified to "N" based on withdrawal email on 5/19/10

Site Environmental Assessment

Based upon investigations conducted to date and submitted with the BCP application, the primary contaminants of concern at the site include tetrachloroethene (PCE) and some petroleum related compounds. Significant PCE impacts have been recorded in unsaturated shallow and deep soils as well as shallow groundwater. Less significant impacts of other contaminants can not be determined due to the high reporting limits in the submitted data. The highest concentrations of PCE in soil and groundwater, ranging from 4700 - 9400 ppm in soil and 49 - 118 ppm in groundwater, have been recorded within 40 ft of the presumed down gradient property lines. Concentrations of PCE found on-site significantly exceed the soil cleanup objectives for the protection of groundwater (1.3 ppm). PCE and cis-DCE found in groundwater, also significantly exceed groundwater standards (typically 0.005 ppm). No off-site data has been collected however, the onsite data indicates that contaminant concentrations are increasing in the direction and vicinity of the presumed downgradient property lines. The bedrock underlying the subject site is the Upper Silurian Penfield Dolostone (Geologic Map of New York, Finger Lakes Sheet, 1970). The surficial soils are lacustrine silt and clay (Surficial Geologic Map of New York, Finger Lakes Sheet, 1986). The depth to bedrock has not been reported however is presumed to be 16-20' bgs and the depth to groundwater has not been reported. Based on surficial topography, the groundwater flow direction beneath the Site is presumed to be to the southeast. Once established, more information regarding the site can be found in the documents placed in the Site Document Repository.

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* **Class N Sites:** "DEC offers this information with the caution that the amount of information provided for Class N sites is highly variable, not necessarily based on any DEC investigation, sometimes of unknown origin, and sometimes is many years old. Due to the preliminary nature of this information, significant conclusions or decisions should not be based solely upon this summary."

DAY ENVIRONMENTAL, INC.
IN-HOUSE SPILL/LST RECORDS CHECKLIST

DAY reviewed data obtained from the NYSDEC Spills/Leaking Storage Tank (LST) database in order to identify spills/LST incidents located within a 0.25-mile radius of the assessed property. A summary of the information obtained as part of this review is presented below.

Job # 5248E-16 Assessor HMM

Completed by SMM Date 5/12/2016

Property Name/Address: 962, 966, & 972-974 E. Main Street

Rochester, NY

NYSDEC Region 8 County: Monroe

Names and Addresses of Adjoining Properties:

North: Railroad, with Black Button Distilling and Rohrbach Brewery (85-97 Railroad Street) beyond.
South: E. Main St., with Staub Textile Services (951 E. Main St.) beyond.
East: Railroad, with Marketview Heights Garage (1030 E. Main St.) and apartments (45-55 Railroad Street) beyond.
West: Otis Lumber (936 E. Main St.)

HISTORICAL NAMES TO CHECK (SPILLS) (REGION 8 ONLY) (1974-1983):

Rochester Steel Treating Works - NONE

Summary of Spills/LSTs: (refer to attached table for detail)

Total Number of Spills/LSTs within a 0.25-mile Radius: 92
Active Mappable Spills/LSTs: 3
Active Unmappable Spills/LSTs: 0
Closed/Inactive Mappable Spills/LSTs: 85
Closed/Inactive Unmappable Spills/LSTs: 4

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/ Distance	Mappable (Yes/No)
1	0170546	895 E. Main St.	2/12/02	C	~.1 W/SW	Y
2	0370103	1130 E. Main St.	5/20/03	I	~.2 E	Y
3	0370558	895 E. Main St.	1/6/04	I	~.1 W/SW	Y
4	0900897	935-951 E. Main St.	4/23/09	C	Adj. S	Y
5	1006842	962 E. Main St.	9/24/10	I	***AP***	Y
6	1109944	1115 E. Main St.	11/8/11	C	~.2 E	Y
7	1110636	951-953 E. Main St.	11/30/11	C	Adj. S.	Y
8	1300763	900 E. Main St.	4/23/13	C	~0.05 W	Y
9	1400515	880 E. Main St.	4/15/14	I	~.2 W/SW	Y
10	1405822	800 E. Main St.	8/1/14	I	~.25 W/SW	Y
11	1501625	1137 E. Main St.	5/13/15	I	~.2 E	Y
12	7980904	E. Main St. (RG&E Trans.)	9/4/79	C		N
13	8403409	Railbed/E. Main/Goodman St.	2/13/85	C	~0.05 SE	Y
14	8503403	962 E. Main St.	12/28/95	C	***AP***	Y
15	8589988	Roch Steel Treat – E. Main	1/8/85	C	***AP***	Y
16	8604022	962 E. Main St.	9/20/86	C	***AP***	Y
17	8700092	895 E. Main St.	4/3/87	C	~.1 W/SW	Y
18	8708256	1157 E. Main St.	12/22/87	C	~.25 E	Y
19	8805817	795 E. Main St.	10/7/88	C	~.25 W/SW	Y
20	8911857	Conrail – Goodman & Main	3/14/90	C	~0.05 SE	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/ Distance	Mappable (Yes/No)
21	8912436	E. Main @ RR St. Bridge	3/29/90	C	Adj. E/SE	Y
22	9111798	E. Main St.	2/15/92	C		N
23	9204230	1115 E. Main St.	7/9/92	I	~.2 E	Y
24	9503707	795 E. Main St.	6/26/95	I	~.25 W/SW	Y
25	9800145	951 E. Main St.	4/3/98	C	Adj. S	Y
26	9870212	N. Goodman, E. Main to Rt 104	9/25/98	I	~.2 E	Y
27	9970348	1154 E. Main St.	9/9/99	C	~.25 E	Y
28	7980825	Railroad St.	8/25/79	C		N
29	8300138	55 Railroad St.	4/20/83	I	Adj. E	Y
30	8380141	55 Railroad St.	4/20/83	C	Adj. E	Y
31	8403147	4th & Railroad St.	2/20/85	C	~.1 N	Y
32	9603438	4th St. @ Railroad Ave.	6/11/96	I	~.1 N	Y
33	9707536	144 Railroad St.	9/25/97	I	~.2 N/NW	Y
34	9803709	124 Railroad St.	6/22/98	I	~.1 N/NW	Y
35	9870360	148 Railroad St.	12/4/98	I	~.2 N/NW	Y
36	9400611	200 Public Market	4/12/94	C	~.25 NW	Y
37	9516383	47 Peck St.	3/20/96	I	~.5 NE	Y
38	8803485	148 Hayward St.	7/21/88	C	~.2 N	Y
39	9415849	140 Hayward Ave.	3/7/95	C	~.2 N	Y
40	9870301	271 Hayward Ave.	11/5/98	C	~.2 NE	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/ Distance	Mappable (Yes/No)
41	0510246	18 Champeney Terr.	11/29/05	C	~.25 NW	Y
42	8704112	18 Champeney Terr.	8/17/87	C	~.25 NW	Y
43	9006642	18 Champeney Terr.	9/14/90	C	~.25 NW	Y
44	90011654	18 Champeney Terr.	2/6/91	C	~.25 NW	Y
45	8601462	106 Prince St.	5/30/86	C	~.2 W	Y
46	8903417	99 Prince St.	6/11/89	C	~.2 W	Y
47	9005489	50 Prince St.	8/17/90	C	~.2 SW	Y
48	9502629	94 Prince St.	5/30/95	C	~.2 W	Y
49	8801782	Erion Cres/Main St.	5/26/88	C	~.25 W/SW	Y
50	9213434	100 College Ave.	3/4/93	C	~.2 S	Y
51	9412533	38 Birch Cres.	12/18/94	C	~.1 S	Y
52	0270230	1 Circle St.	7/9/02	C	~0.05 SE	Y
53	8302433	Conrail Circle & Goodman	2/24/84	C	~0.05 SE	Y
54	8806389	1 Circle St.	10/20/88	C	~0.05 SE	Y
55	9001847	Circle St.	5/16/90	C	~0.05 SE	Y
56	9003546	Circle St.	6/28/90	C	~0.05 SE	Y
57	9307920	835 Alexander St.	9/29/93	C	~.25 NW	Y
58	0004600	400 N. Goodman St.	7/15/00	A	~.2 SE	Y
59	0106407	320 N. Goodman St.	9/18/01	I	~.2 SE	Y
60	0108834	400 N. Goodman St.	12/5/01	I	~.2 SE	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/ Distance	Mappable (Yes/No)
61	0108834	400 N. Goodman St.	12/5/01	I	~.2 SE	Y
62	0207076	400 N. Goodman St.	10/9/02	I	~.2 SE	Y
63	0211144	CSX Yard, Goodman St.	2/6/03	I	~.2 SE	Y
64	0304488	400 N. Goodman St.	7/29/03	I	~.2 SE	Y
65	0307839	400 N. Goodman St.	10/24/03	I	~.2 SE	Y
66	0311811	CSX Goodman St.	1/21/04	I	~.2 SE	Y
67	0413627	400 N. Goodman St.	3/30/05	C	~.2 SE	Y
68	0507371	400 N. Goodman St.	9/19/05	C	~.2 SE	Y
69	0601245	400 N. Goodman St.	5/3/06	C	~.2 SE	Y
70	0800739	400 N. Goodman St.	4/17/08	C	~.2 SE	Y
71	0807134	400 N. Goodman St.	9/25/08	C	~.2 SE	Y
72	0811554	400 N. Goodman St.	1/21/09	I	~.2 SE	Y
73	0901485	274 N. Goodman St.	5/6/09	C	~.25 SE	Y
74	0907340	400 N. Goodman St.	9/30/09	I	~.2 SE	Y
75	1102634	280 N. Goodman St.	6/8/11	A	~.25 SE	Y
76	1309940	400 N. Goodman St.	1/13/14	C	~.2 SE	Y
77	1402166	410 N. Goodman St.	5/30/14	C	~.2 SE	Y
78	1407035	400 N. Goodman St.	10/4/14	I	~.2 SE	Y
79	1410199	400 N. Goodman St.	1/19/15	I	~.2 SE	Y
80	1410200	400 N. Goodman St.	1/19/15	I	~.2 SE	Y

	Spill Number	Spill Address	Spill Date	Spill Status	Direction/ Distance	Mappable (Yes/No)
81	1411289	400 N. Goodman St.	2/27/15	I	~.2 SE	Y
82	1501184	400 N. Goodman St.	5/3/15	I	~.2 SE	Y
83	1512120	400 N. Goodman St.	3/22/16	A	~.2 SE	Y
84	8401880	Conrail (Goodman St.)	10/14/84	C	~.2 SE	Y
85	8401906	Goodman Conrail	10/16/84	C	~.2 SE	Y
86	8900308	305 N. Goodman St.	4/11/89	C	~.25 SE	Y
87	9112362	400 N. Goodman St.	2/25/92	C	~.2 SE	Y
88	9205288	277 N. Goodman St.	7/12/86	C	~.25 SE	Y
89	9209603	N. Goodman St.	10/18/92	C		N
90	9506933	320 N. Goodman St.	9/5/95	C	~.25 SE	Y
91	9906791	274 N. Goodman St.	9/7/99	I	~.25 SE	Y
92	0913283	165 Hayward Ave.	3/17/10	I	~.2 N	Y
93						
94						
95						
96						
97						
98						
99						
100						

Assessed Property (AP)

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	8589988
SPILL NAME:	ROCHESTER STEEL TREATING	**DEC LEAD:**	BWFINSTE

SPILL LOCATION

SPILL DATE:	1/8/1985	**SPILL TIME:**	11:00:00
ALL RECEIVED DATE:	1/8/1985	**RECEIVED TIME:**	11:00:00
PLACE:	ROCHESTER STEEL TREATING	**COUNTY:**	Monroe
STREET:	EAST MAIN & GOODMAN STS	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Unknown	**SPILL REPORTED BY:**	Other
SPILL SOURCE:	Unknown	**WATERBODY:**	GROUND

CALLER REMARKS:

"INDOOR SPILLAGE FROM STORAGE OF 60 LBS OF CYANIDE SALTS IN BLDG, OUTDOOR SPILLAGE DUE TO ILLEGAL BURIAL OF 60 LBS OF CYAN-IDE UNDER SLAG AND STORAGE OF CYANIDE SALTS & 7 BARRELS OF CONTAMINATED OIL"

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
cyanides(soluble cyanide salts)	Hazardous Material	0.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ROCHESTER STEEL TREATING	EAST MAIN & GOODMAN STS ROCHESTER ZZ	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BF 2004/02/19 - Spill_Time was previously blank and replaced with RCVD_Time to fix a data translation problem... Bob Corcoran / / : VIOLATIONS AND LEGAL ACTION: MINIMAL SPILLAGE -AWAITING BECI SEARCH WARRANT. / / : CONTAINMENT ACTION: NONE AT THIS POINT, DIKED BY CONRAIL RR TRACKS. / / : CLEANUP ACTION: MINIMAL SPILLAGE - AWAITING BECI SEARCH WARRANT. / / : NOTES: FORWARD INFO TO DSHW, RD, RE, ECO CAPTAIN POWELL, MCHD ********** KEEP REPORT CONFIDENTIAL DUE TO. 09/28/95: This is additional information about material spilled from the translation of the old spill file: USED CYANIDE SALTS (03/30/01: PAPER FILE REMOVED PER PAPER RETENTION POLICY. "

PIN		**T&A**		**COST CENTER**	
CLASS	B3	**CLOST DATE**	6/1/1986 12:00:00 AM	**MEETS STANDARDS**	True

AP

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	8503403
SPILL NAME:	ROCHESTER STEAL COMPANY	**DEC LEAD:**	JRMARCHI

SPILL LOCATION

SPILL DATE:	12/29/1985	**SPILL TIME:**	17:15:00
ALL RECEIVED DATE:	12/29/1985	**RECEIVED TIME:**	17:55:00
PLACE:	ROCHESTER STEAL COMPANY	**COUNTY:**	Monroe
STREET:	962 EAST MAIN ST	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Human Error	**SPILL REPORTED BY:**	Other
SPILL SOURCE:	Unknown	**WATERBODY:**	

CALLER REMARKS:

"A HEATER THAT WAS REPAIRED BY ELECTRIANS ON SAT. WAS LEFT ON. PRESSURE INSIDE THE ANHYDROUS AMMONIA TANK BUILT UP UNTIL VALVE WAS RUPTURED."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
ammonia	Hazardous Material	0.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ROCHESTER STEAL COMPANY	962 EAST MAIN ST ROCHESTER ZZ	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JM / / : NOTES: LEE FLORAK, 820 EAST MAIN, 546-7748, FIRST SMELLED AMMONIA AND CONTACTED THE FIRE DEPARTMENT. / / : EXTENT OF SPILL: ANHYDROUS AMMONIA DISCHARGED TO THE AIR THROUGH A PRESSURE RELIEF VALVE ON THE STORAGE TANK. / / : STATUS: JM (CLOSED) 85/12/30 NO FURTHER ACTION NECESSARY. / / : ACTION: FIRE DEPT AND HAZ-MAT TEAM RESPONDED. KEITH HEIDEN OF ROCHESTER WAS CONTACTED AND STOPPED THE DISCHARGE. MIKE CORAL OF MCHD REPORTED THAT NO. 09/28/95: This is additional information about material spilled from the translation of the old spill file: ANHYDROUS AMMONIA 03/29/01: PAPER FILE REMOVED PER PAPER RETENTION POLICY. "

PIN CLASS	A1	**T&A CLOST DATE**	6/1/1986 12:00:00 AM	**COST CENTER MEETS STANDARDS**	True

AP

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	8604022
SPILL NAME:	ROCHESTER STEEL TREATMENT	**DEC LEAD:**	BLUEY

SPILL LOCATION

SPILL DATE:	9/20/1986	**SPILL TIME:**	11:40:00
ALL RECEIVED DATE:	9/20/1986	**RECEIVED TIME:**	11:50:00
PLACE:	ROCHESTER STEEL TREATMENT	**COUNTY:**	Monroe
STREET:	962 EAST MAIN STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Equipment Failure	**SPILL REPORTED BY:**	Fire Department
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:
"CAUSE WAS BROKEN RUPTURE DISK"

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
				GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ROCHESTER STEEL TREATMENT	962 EAST MAIN STREET ROCHESTER NY	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CB / / : AIR PRODUCTS, INC PERSONNEL SHUT OFF VALVE. A PORTION OF MAIN STREET WAS CLOSED AS A PRECAUTION. 09/28/95: This is additional information about material spilled from the translation of the old spill file: LIQUID NITROGEN. 04/24/01: PAPER FILE REMOVED PER PAPER RETENTION POLICY."

PIN		**T&A**		**COST CENTER**	
CLASS	C3	**CLOST DATE**	3/31/1987 12:00:00 AM	**MEETS STANDARDS**	True

AP

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	1006842
SPILL NAME:	SOLVENTS AND PETROLEUM SERVICES	**DEC LEAD:**	SARODABA

SPILL LOCATION

SPILL DATE:	9/24/2010	**SPILL TIME:**	13:00:00
ALL RECEIVED DATE:	9/24/2010	**RECEIVED TIME:**	13:39:00
PLACE:	SOLVENTS AND PETROLEUM SERVICES	**COUNTY:**	Monroe
STREET:	962 EAST MAIN STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:	EJ DOCTEOR	**CONTACT PHONE:**	
SPILL CAUSE:	Unknown	**SPILL REPORTED BY:**	Other
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:

"CALLER ADVISED APPROXIMATELY 2 GALLONS OF TCE SPILLED FROM COMMERCIAL VEHICLE. CALLER ALSO ADVISED THAT SUBSTANCE HAS BEEN CLEANED UP."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
trichloroethene (TCE)	Hazardous Material	2.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
SOLVENTS AND PETROLEUM SERVICE	1405 BREWERTON ROAD SYRACUSE NY	EJ DOCTEOR

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"09/24/2010: SR FOLLOWING UP. SR CONTACTED CALLER, SPILL REPORT WITH DETAILS ON SPILL, DISPOSAL INFORMATION, ETC. TO BE E-MAILED ON MONDAY OR TUESDAY. SPILL OCCURRED AS RESULT OF DRUM FALLING OFF OF TAILGATE TO PAVED PARKING LOT. LOSS OF APPROXIMATELY 2 GALLONS FROM CONTAINER, CLEANED UP WITH PADS. 9/30/10 SPILL INFO. AND COPY OF MANIFEST FOR DISPOSAL RECEIVED. NO FURTHER ACTION NECESSARY."

PIN		**T&A**		**COST CENTER**	
CLASS	C4	**CLOST DATE**	9/30/2010 12:00:00 AM	**MEETS STANDARDS**	False

from NYSDEC
Re: Spill # 1006842

SPS
Solvents and Petroleum Service, Inc.
1405 BREWERTON ROAD
SYRACUSE, NEW YORK 13208
PHONE (315) 454-4467 FAX (315) 454-8230
SOLVENTSANDPETROLEUM.COM

September 30, 2010

To: Scott Rodabaugh
From: EJ Docteur
Company: Solvents and Petroleum Service (EPA ID #: NYD 013 277 454)
Re: Spill Number 1006842

Mr. Rodabaugh,

Solvents and Petroleum was making a delivery of virgin trichloroethylene to Rochester Steel on September 24, 2010 when we seeped less than 2 gallon of material onto the pavement. The material that was spilled was immediately cleaned up and collected for disposal. The material was picked up on manifest number 003565522 FLE dated 9-29-10 (see attached manifest). If you have any questions please give me a call.

Regards,

EJ Docteur
Solvents and Petroleum Service
(315) 454- 4467 ext 10

Spill# 1006842

Please print or type. Form designed for use on elite (12-pitch) typewriter. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	2. Generator ID Number NYD013277454	3. Page 1 of 1	4. Emergency Response Phone 1-800-315-4467	5. Manifest Tracking Number 003565522 FLE

GENERATOR

SOLVENTS AND PETROLEUM SERVICE INC
1405 BREWERTON RD SYRACUSE NY 13208
315-454-4467

Generator's Site Address (if different than mailing address)
962 E. MAIN STREET
ROCHESTER, NY 14605
585-546-3348

SOLVENTS & PETROLEUM SERVICE INC — U.S. EPA ID Number NYD013277454

U.S. EPA ID Number

SOLVENTS & PETROLEUM SERVICE INC
1405 BREWERTON RD SYRACUSE NY 13208
315 454-4467

U.S. EPA ID Number NYD013277454

	9. Designation, Proper Shipping Name, Hazard Class, ID Number, and Packing Group	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	RQ, WASTE TRICHLOROETHYLENE, 6.1, UN1710, PGIII	1	DF ~~DM~~	7	P	D040 . B

14. Special Handling Instructions and Additional Information
LINE 1: APP#SOLVENTS5 ERG#160 .05gallon spill
The trichloroethylene was property of SPS at time of spill. Please reference spill # 1006842

GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgement of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Printed/Typed Name: E J Durfee — Signature: EJ Durfee — Month 9 — Day 29 — Year 10

TRANSPORTER INT'L

15. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Shawn DIGGI — Signature: Shawn Diggi — Month 09 — Day 29 — Year 10

16. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy Indication Space

18. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 17a
Printed/Typed Name: Georgia Weill (On behalf of SPS) — Signature: Georgia Weill — Month 9 — Day 29 — Year 10

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Adj S

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	9800145
SPILL NAME:	STAUBS TEXTILE SERVICE	**DEC LEAD:**	MFZAMIAR

SPILL LOCATION

SPILL DATE:	4/3/1998	**SPILL TIME:**	12:55:00
ALL RECEIVED DATE:	4/3/1998	**RECEIVED TIME:**	13:00:00
PLACE:	STAUBS TEXTILE SERVICE	**COUNTY:**	Monroe
STREET:	951 EAST MAIN STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Tank Test Failure	**SPILL REPORTED BY:**	Tank Tester
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:

"A 10000 GALLON UNDERGROUND DIESEL TANK COULD NOT REACH MAXIMUM PRESSURE DURING A HORNER EZY-CHECK III TIGHTNESS TEST. THE TANK IS TO BE UNCOVERED AND ISOLATED AND RETESTED ON WEDNESDAY APRIL 8TH. THE INVENTORY IS TO BE CLOSELY MONITORED. FAXED TO MCHD ON 04/03/98 AT 1445 HRS."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
diesel	Petroleum	0.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
STAUBS TEXTILE SERVICE	951 EAST MAIN STREET ROCHESTER NY	JEFF SCHOTT

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MZ 6/9/98 MZ TELCON WITH MIKE MARCHETTI (OKAR) WHO STATED THAT THEY UNCOVERED HALF OF THE TANK AND FOUND A BAD UNION IN THE VENT LINE. THEY REPLACED AND RETESTED AND THE TEST FAILED. THEY THEN UNCOVERED THE ENTIRE TANK TOP AND DISCOVERED TWO COPPER LINES RUNNING FROM THE TANK TO INSIDE THE BUILDING THAT WERE NOT BEING USED. THEY REMOVED THEM AND CAPPED/PLUGGED THE TANK AND RETESTED. THIS TIME THE TANK PASSED THE TEST. MARCHETTI STATED THEY PLAN ON REMOVING THE TANK BY THE END OF THE YEAR BECAUSE IT DOES NOT MEET EPA UST STANDARDS. MARCHETTI TO SUBMIT LETTER TO DEPT OUTLINING WORK DONE ON TANK. COPIES OF THE TIGHTNESS TEST RESULTS ARE IN THE PBS FILE (PBS #8-445029). NO FURTHER ACTION REQUIRED BY SPILLS. CLOSE SPILL. 12/03/08: PAPER FILE REMOVED PER FILE RETENTION POLICY. "

PIN		**T&A**		**COST CENTER**	
CLASS	B3	**CLOST DATE**	6/9/1998 12:00:00 AM	**MEETS STANDARDS**	True

Adj. S

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	0900897
SPILL NAME:	STAUBS DRY CLEANERS	**DEC LEAD:**	mfzamiar

SPILL LOCATION

SPILL DATE:	4/23/2009	**SPILL TIME:**	11:50:00
ALL RECEIVED DATE:	4/23/2009	**RECEIVED TIME:**	11:50:00
PLACE:	STAUBS DRY CLEANERS	**COUNTY:**	
STREET:	935-951 EAST MAIN STREET	**TOWN/CITY:**	ROCHESTER
	HISTORIC SPILL	**COMMUNITY:**	ROCHESTER
CONTACT:	PETE MORTON	**CONTACT PHONE:**	
SPILL CAUSE:	Unknown	**SPILL REPORTED BY:**	Other
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:

"CALLER STATES THAT ANALYTICAL RESULTS WERE RECEIVED AND SHOWED A MINOR AMOUNT OF PETROLEUM CONTAMINATION IN THE GROUNDWATER AND HIGH AMOUNTS OF DRY CLEANING SOLVENT CONTAMINATION. THE CALLER IS WORKING ON A PHASE I INVESTIGATION WITH THE CITY OF ROCHESTER AND WILL ADDRESS WHAT IT IS NEEDED TO BE DONE AT THIS SITE."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown petroleum	Petroleum	0.00000	0.00000	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"FAXED TO MCHD AND ML. 4/28/2009: DEPT REC'D COPY OF PHASE II REPORT FROM PASSERO ASSOCIATES. SAMPLING RESULTS INDICATE ELEVATED LEVELS OF PCE IN BOTH SOIL AND GROUNDWATER. OTHER SOLVENTS NOTED ABOVE DEPT GUIDELINES. LOW LEVELS OF PETROLEUM SVOC'S IDENTIFIED. CASE FORWARDED TO DEC REGION 8 DER-HWR FOR FOLLOW UP. NO FURTHER ACTION REQUIRED BY SPILLS."

PIN		**T&A**		**COST CENTER**	
CLASS	B3	**CLOST DATE**	4/28/2009 12:00:00 AM	**MEETS STANDARDS**	True

Adj S

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	1110636
SPILL NAME:	FORMER STAUB DRY CLEANERS	**DEC LEAD:**	MFZAMIAR

SPILL LOCATION

SPILL DATE:	11/30/2011	**SPILL TIME:**	15:30:00
ALL RECEIVED DATE:	11/30/2011	**RECEIVED TIME:**	15:45:00
PLACE:	FORMER STAUB DRY CLEANERS	**COUNTY:**	
STREET:	951-953 EAST MAIN STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:	HEATHER FARIELLO	**CONTACT PHONE:**	
SPILL CAUSE:	Unknown	**SPILL REPORTED BY:**	Other
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:

"While drilling today as part of an environmental site assessment, petroleum-impacted soils encountered near former underground storage tank at historic dry cleaning facility. Not sure type of impacts, but they do not appear to be dry cleaning/solvent-related. Shaw Env. is working for DEC DER out of Central office. spill #0900897 was previously closed and referred to DER for followup."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown petroleum	Petroleum	0.00000	0.00000	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"11/30/11: COPY OF SPILL REPORT SENT TO MATT DUNHAM AND TO MIKE ZAMIARSKI. 12/1/2011 NO FURTHER ACTION BY SPILLS UNIT. ALL FOLLOW UP TO BE HANDLED UNDER HAZARDOUS WASTE REMEDIATION PROGRAM - MATT DUNHAM (DEC CENTRAL OFFICE - 518-402-9643) IS PROJECT MANAGER. HAZ WASTE SITE NUMBER IS 828160. 12/1/2011 COPY OF SPILL REPORT SENT TO MCHD."

PIN		**T&A**		**COST CENTER**	
CLASS	C1	**CLOST DATE**	12/1/2011 12:00:00 AM	**MEETS STANDARDS**	True

Adj E

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	8300138
SPILL NAME:	RG&E TRANSFORMER	**DEC LEAD:**	PCLINDEN

SPILL LOCATION

SPILL DATE:	4/20/1983	**SPILL TIME:**	10:30:00
ALL RECEIVED DATE:	4/20/1983	**RECEIVED TIME:**	10:30:00
PLACE:	RG&E TRANSFORMER	**COUNTY:**	Monroe
STREET:	55 RAILROAD STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:	DUDLEY SCHUYLER	**CONTACT PHONE:**	
SPILL CAUSE:	Traffic Accident	**SPILL REPORTED BY:**	Affected Persons
SPILL SOURCE:	Institutional, Educational, Gov., Other	**WATERBODY:**	

CALLER REMARKS:

"MOTOR VEHICLE SLID OFF ROAD AND STRUCK THREE TRANSFORMERS AT 55 RAILROAD STREET (OFF MAIN STREET EAST OVER RAILROAD BRIDGE BEFORE GOODMAN). "

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
transformer oil	Petroleum	15.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNKNOWN	NY	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was PL MOST OF OIL WAS CARRIED BY MELT WATER INTO A NEARBY STORMSEWER. MCHD COLLECTED A SAMPLE WHICH IS TO BE ANALYZED. SAMPLE TAKEN. MCHD ON SCENE. NO FURTHER ACTION NEEDED. 09/15/04 PAPER FILE REMOVED PER FILE RETENTION POLICY. "

PIN		**T&A**		**COST CENTER**	
CLASS	C3	**CLOST DATE**	4/29/1983 12:00:00 AM	**MEETS STANDARDS**	False

Adj E

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	8380141
SPILL NAME:	ROCHESTER GAS & ELECTRIC	**DEC LEAD:**	PCLINDEN

SPILL LOCATION

SPILL DATE:	4/20/1983	**SPILL TIME:**	10:30:00
ALL RECEIVED DATE:	4/20/1983	**RECEIVED TIME:**	14:00:00
PLACE:	ROCHESTER GAS & ELECTRIC	**COUNTY:**	Monroe
STREET:	55 RAILROAD STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Traffic Accident	**SPILL REPORTED BY:**	Other
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:
"08/31/98 TRANSFORMER SPILLED TRANSFORMER OIL DUE TO A MVA. FLUSHED BY FIRE DEPT. "

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
transformer oil	Petroleum	15.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ROCHESTER GAS & ELECTRIC	NY	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was PL 08/31/98 THIS IS A DUPLICATE SPILL, WHICH HAD PREVIOUSLY BEEN REPORTED AS SPILL# 8380141. THIS NUMBER WAS UPDATED, AND NO LONGER EXISTS IN THE SPILLS DATABASE. 11/15/10: PAPER FILE REMOVED PER FILE RETENTION POLICY. "

PIN		**T&A**		**COST CENTER**	
CLASS	B4	**CLOST DATE**	8/31/1998 12:00:00 AM	**MEETS STANDARDS**	True

Adj
E/SE

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	8912436
SPILL NAME:	NYSDOT (E.MAIN-RR ST)	**DEC LEAD:**	CAHETTEN

SPILL LOCATION

SPILL DATE:	3/29/1990	**SPILL TIME:**	15:00:00
ALL RECEIVED DATE:	3/29/1990	**RECEIVED TIME:**	15:45:00
PLACE:	NYSDOT (E.MAIN-RR ST)	**COUNTY:**	Monroe
STREET:	EAST MAIN @ RR ST BRIDGE	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Other	**SPILL REPORTED BY:**	Fire Department
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:

"3 UNDERGRND TANKS WERE FOUND ON NORTH SIDE OF E. MAIN ST ON WEST SIDE OF RAILROAD TRACKS. TANKS OF UNKNOWN SIZE WERE PUNCTURED WHEN SINISGALLI WRECKING WAS DOING DEMOLITION FOR NEW BRIDGE."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown petroleum	Petroleum	0.00000	0.00000	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
NYSDOT	1530 JEFFERSON ROAD ROCHESTER NY	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CH 03/29/90: TANKS HAD SOME SAND IN THEM, BUT WERE NOT COMPLETELY FILLED & WHEN PUNCTURED WATER & PRODUCT RAN OUT. SHOVEL OPERATOR MADE SMALL CONTAINMENT AREA. CH TO INVESTIGATE. 03/29/90: CH RESPONDS. NO ONE IS AROUND. ONE END OF 3 TANKS IS VISIBLE. AREA AT END OF TANKS IS DIKED TO HOLD WATER & PRODUCT RUNNING OUT OF THEM. PRODUCT APPEARS TO BE #6 OIL. 03/29/90: LOOK IN ONE TANK THRU PUNCTURE. IT IS APPROX 1/2 FULL OF DIRT OR SAND. ALL TANKS HAVE HOLES IN THEM. 03/30/90: BOB DILAURA ROCHESTER F.D. INFORMS ME THAT TANKS ARE 3-12000 GAL TANKS THAT ARE AT LEAST AS OLD AS 1938 OR OLDER. SUPPOSEDLY ABANDONED W/SAND IN 1960. DOT FIELD OFFICE #288-2702. 03/30/90: SHELLY LORTZ ENG. IN CHARGE. SINISGALLI TO HANDLE TANK REMOVAL & DISPOSAL. 04/11/90: B. SHUTTS INSPECTED SITE IN AFTERNOON WHERE REMOVAL OF 1 OF 3-12K TANKS HAD BEEN PERFORMED IN AM. SAND/GRAVEL MIXTURE FROM INSIDE TANK PILED OFF TO SIDE. INSPECTION REVEALED KEROSENE ODOR PRESENT. 04/11/90: EXCAVATION HALTED. MATERIAL REMOVED IS REQUESTED TO BE PLACED ON PLASTIC & COVERED. WILL MEET W/BREIS AGAIN IN AM ON NEXT DAY. 04/12/90: B. SHUTTS MET W/JOEY BREIS ON SITE & TOOK READINGS FROM REMOVED SOIL. READINGS INDICATED 7.5 PPM ON JOB SITE & 12 PPM @OFFICE AFTERWARDS. 04/12/90: LOW READINGS SUGGEST EXCAVATION MAY CONTINUE & SOIL PREVIOUSLY REMOVED MAY BE USED FOR BACKFILL. BREIS WILL CONTACT US BEFORE EXCAVATION RESUMES. 05/09/90: CONTACTED SHELLEY LORTZ WHO SAID THEY REMOVED REMAINING 2 12K-GAL TANKS.**DEC WASN'T NOTIFIED BEFOREHAND** TANKS WERE SUPPOSEDLY DEFUMED & CUT OPEN & PRODUCT REMOVED. EXCAVATION PERFORMED BY PIEDMONT. 05/09/90: NEITHER THE FIRE DEPT OR HEALTH DEPT WAS NOTIFIED OR PRESENT FOR TANK CUTTING & REMOVAL. SOIL WAS NOT CONTAMINATED & HOLES WERE BACKFILLED. TANKS ARE CLEAN & READY TO HAUL AWAY. NO FURTHER ACTION. 09/28/95: This is additional information about material spilled from the translation of the old spill file: UNKNOWN FUEL OIL. 05/31/11: PAPER FILE REMOVED PER FILE RETENTION POLICY."

PIN		**T&A**		**COST CENTER**	
CLASS	C3	**CLOST DATE**	5/9/1990 12:00:00 AM	**MEETS STANDARDS**	True

Unmap

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	7980904
SPILL NAME:	ROCHESTER GAS & ELECTRIC	**DEC LEAD:**	BWFINSTE

SPILL LOCATION

SPILL DATE:	9/4/1979	**SPILL TIME:**	15:20:00
ALL RECEIVED DATE:	9/5/1979	**RECEIVED TIME:**	08:15:00
PLACE:	ROCHESTER GAS & ELECTRIC	**COUNTY:**	Monroe
STREET:	MAIN STREET EAST	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Unknown	**SPILL REPORTED BY:**	Other
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:

"A NETWORK TRANSFORMER FAILED AND LEAKED OIL. CLEANUP BY ROCHESTER GAS & ELECTRIC CREWS. ALL PCB AND CONTAMINATED MATERIAL STORED IN SPECIAL FEDERAL APPROVED PCB STORAGE AREA ON BROOKS ROAD."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
PCB oil	Petroleum	2.00000G	2.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ROCHESTER GAS & ELECTRIC	MAIN STREET EAST ROCHESTER ZZ	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was AS 1/8/01: PAPER FILE REMOVED AS PER RECORD RETENTION POLICY."

PIN		**T&A**		**COST CENTER**	
CLASS	C4	**CLOST DATE**	1/1/1983 12:00:00 AM	**MEETS STANDARDS**	True

Unmap

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	9111798
SPILL NAME:	PAL OIL	**DEC LEAD:**	PCLINDEN

SPILL LOCATION

SPILL DATE:	2/15/1992	**SPILL TIME:**	12:40:00
ALL RECEIVED DATE:	2/17/1992	**RECEIVED TIME:**	10:00:00
PLACE:	PAL OIL	**COUNTY:**	Monroe
STREET:	EAST MAIN STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Tank Overfill	**SPILL REPORTED BY:**	Responsible Party
SPILL SOURCE:	Tank Truck	**WATERBODY:**	

CALLER REMARKS:
"PAL OIL OVERFILLED A BULK STORAGE TANK. CONTACT PERSON: KEVIN KYLE"

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
gasoline	Petroleum	8.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
PAL OIL	NY	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was PL 02/17/92: ROCHESTER FIRE DEPT CLEANED UP WITH SPEEDY DRI. "

PIN	**T&A**		**COST CENTER**	
CLASS	**CLOST DATE**	2/17/1992 12:00:00 AM	**MEETS STANDARDS**	True

Unmap

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	8080918
SPILL NAME:	TAMBY OIL COMPANY	**DEC LEAD:**	BWFINSTE

SPILL LOCATION

SPILL DATE:	9/18/1980	**SPILL TIME:**	14:00:00
ALL RECEIVED DATE:	9/18/1980	**RECEIVED TIME:**	14:00:00
PLACE:	TAMBY OIL COMPANY	**COUNTY:**	Monroe
STREET:	MAIN STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Unknown	**SPILL REPORTED BY:**	Citizen
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	STORM SEWERS

CALLER REMARKS:
"MONROE COUNTY PURE WATERS NOTIFIED; JOHN GRAM AND MIKE KIRCHGESSNER."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
#2 fuel oil	Petroleum	100.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
TAMBY OIL COMPANY	MAIN STREET ROCHESTER ZZ	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was AS 2004/02/19 - Spill_Time was previously blank and replaced with RCVD_Time to fix a data translation problem... Bob Corcoran OIL DISCHARGE TO RIVER FROM STORM DOWNSTREAM FROM COURT ST DAM. TRACED TO SOPHIA PL CATCHBASIN. STORM SEWERS FLUSHED TO REDUCE BUMES IN BASEMENTS. 9/19/80 NORM BRISSON (CUSTODIAN AT SCHOOL #3) STATED UNDERGROUND TANK HAS BEEN TAKING ON WATER, SCHOOL IS NOW CONVERTED TO NATURAL GAS, TAMBY OIL PUMPED WATER OFF BOTTOM OF TANK. THEN TRANSFERRED OIL TO ANOTHER SCHOOL. NO EFFECTIVE METHOD WAS USED TO SEPARATE BOTTOM WATER FROM OIL BEFORE DISCHARGING WATER IN CATCHBASIN. 1/8/01: PAPER FILE REMOVED AS PER RECORD RETENTION POLICY. "

PIN CLASS	B1	**T&A CLOST DATE**	1/1/1983 12:00:00 AM	**COST CENTER MEETS STANDARDS**	True

Unmap

NYSDEC SPILL REPORT FORM

DEC REGION:	8	**SPILL NUMBER:**	7980825
SPILL NAME:	R & K SERVICES	**DEC LEAD:**	BWFINSTE

SPILL LOCATION

SPILL DATE:	8/25/1979	**SPILL TIME:**	14:00:00
ALL RECEIVED DATE:	8/27/1979	**RECEIVED TIME:**	11:30:00
PLACE:	R & K SERVICES	**COUNTY:**	Monroe
STREET:	RAILROAD STREET	**TOWN/CITY:**	ROCHESTER
		COMMUNITY:	ROCHESTER
CONTACT:		**CONTACT PHONE:**	
SPILL CAUSE:	Unknown	**SPILL REPORTED BY:**	Health Department
SPILL SOURCE:	Commercial/Industrial	**WATERBODY:**	

CALLER REMARKS:
"VANDALS DISCHARGED OIL IN JUNK YARD. FLUSHED BY FIRE DEPARTMENT TO STORM SEWER."

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	250.00000G	0.00000G	GW, SOIL, AIR, Ind AIR, SW, DW, Imp SURF, SUBWAY, UTILITY, SEWER,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
R & K SERVICES	RAIL ROAD STREET ROCHESTER ZZ	

Tank Number	Tank Size	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

"Prior to Sept, 2004 data translation this spill Lead_DEC Field was AS 1/8/01: PAPER FILE REMOVED AS PER RECORD RETENTION POLICY."

PIN		**T&A**		**COST CENTER**	
CLASS	B3	**CLOST DATE**	1/1/1983 12:00:00 AM	**MEETS STANDARDS**	True

day
DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

June 6, 2016

Ms. Jill Bishop
NYS DEC
6274 East Avon-Lima Road
Avon, New York 14414

RE: FOIL REQUEST
JOB NUMBER 5248E-16

Dear Ms. Bishop:

This letter is a Freedom of Information Law request for the following location:

OWNER	**PROPERTY**
Rochester Steel Treating Works, Inc.	962, 966 & 972-974 East Main Street Rochester, New York

We would appreciate being informed of any environmental records on the above site.

If there are any questions or additional information is required, do not hesitate to call. Thank you for your cooperation.

Very truly yours,

Sandi Miller

SMM/s

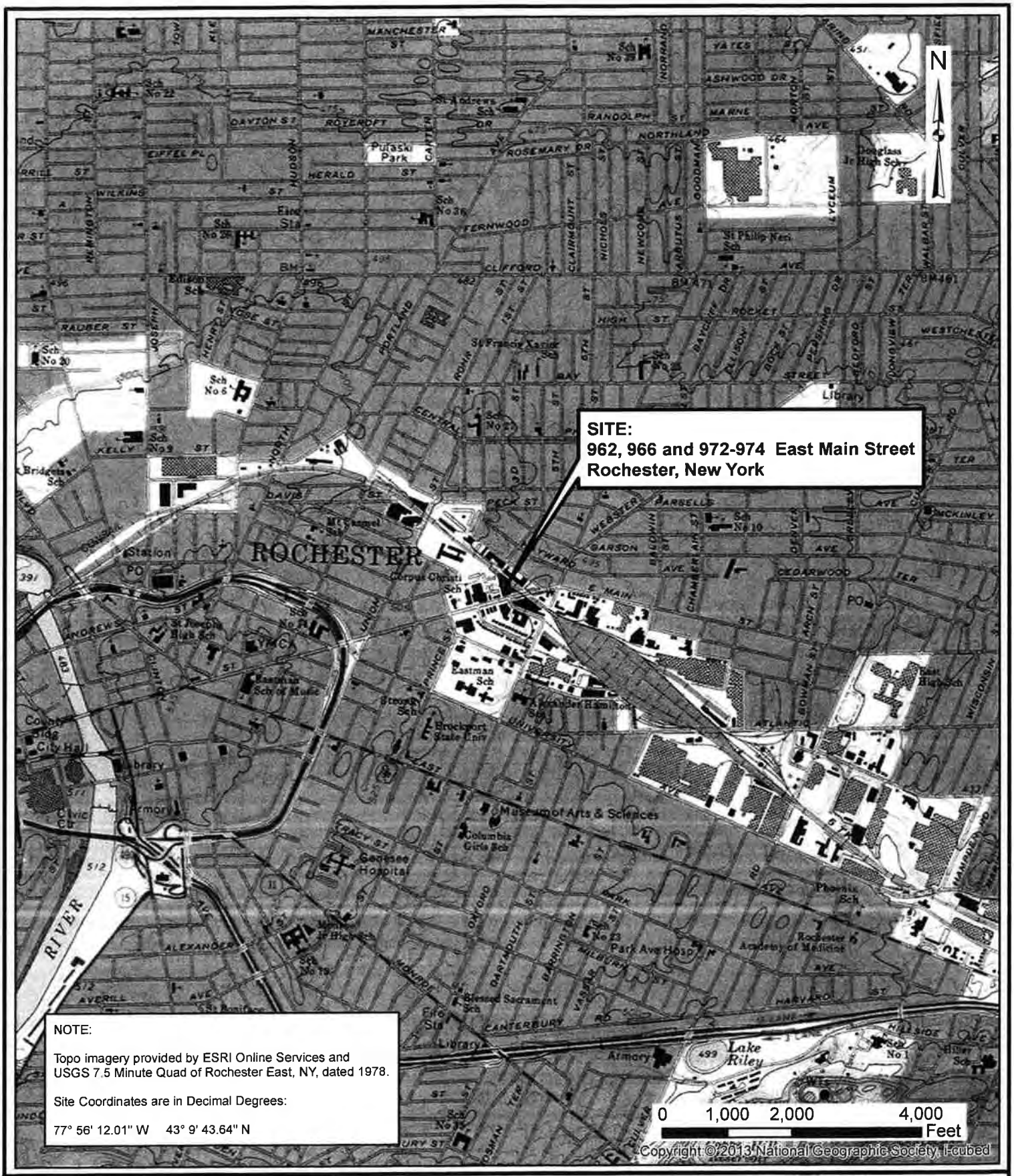
*Map Attached

FR5785

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, ROOM 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657



Date: 05-12-2016 Drawn By: CDP Scale: AS NOTED	**day** **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: ROCHESTER STEEL TREATING WORKS 962, 966 AND 972-974 EAST MAIN STREET ROCHESTER, NEW YORK Drawing Title: Project Locus Map	Project No: 5248E-16 FIGURE 1

Document Path: \\DAYGIS\GIS_Data\Aerial Locus Maps\5246E-16RSTW Locus.mxd

Last Date Saved: 12 May 2016

Sandi Miller

From: New York DEC Support <newyorkdec@mycusthelp.net>
Sent: Monday, June 13, 2016 9:31 AM
To: Sandi Miller
Subject: Freedom of Information Law Request :: W008066-060616

--- Please respond above this line --- 5248E-16

Region 8 - Avon
P: 585 226-5363 | F:
www.dec.ny.gov

RE: PUBLIC RECORDS REQUEST of 6/6/2016, Reference # W008066-060616

Dear Phase I Coordinator Sandi Miller,

Records identified as responsive to your request have been uploaded into the Department's online FOIL request system. Please visit https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx to log into your DEC FOIL account, where you can view and download the records.

If I can be of further assistance, please contact me at 585 226-5363 and reference FOIL W008066-060616.

Sincerely,
Region 8 FOIL Coordinator

New York State Department of Environmental Conservation
Division of Water
Bureau of Water Permits, 4th Floor
625 Broadway, Albany, New York 12233-3505
Phone: (518) 402-8111 • **Fax:** (518) 402-9029
Website: www.dec.state.ny.us

Joe Martens
Commissioner

6/27/2012

BRIAN MILLER
ROCHESTER STEEL TREATING WORKS, INC.
962 EAST MAIN STREET
ROCHESTER NY 14605

Dear Owner/Operator:

This letter will confirm that on 6/21/2012 we received your No Exposure Certification renewal form for the following facility:

ROCHESTER STEEL TREATING WORKS, INC.
962 EAST MAIN STREET
ROCHESTER NY 14605

This facility has been granted exclusion from permitting under the terms and conditions imposed by the New York State Department of Environmental Conservation (DEC) SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (GP-0-06-002). It is not, however, a DEC determination of the validity of the information you provided. Your signature on the No Exposure Certification form certifies that you have read, understood and are implementing all of the applicable requirements. An important aspect of this certification requires that you have correctly determined whether you are eligible for exclusion.

You will need to submit a No Exposure Certification form once every five years. Additionally, if you determine you are no longer eligible for the No Exposure Certification, you must apply for coverage under SPDES General Permit #0-06-002 (stormwater discharges associated with industrial activity.) Copies of the permit or blank Notice of Intent forms may be obtained by contacting me at 518-402-8109 or via the Internet at: http://www.dec.ny.gov/chemical/9009.html.

Note: No Exposure Certification only relieves a facility of the responsibility to obtain a permit for industrial stormwater, other than construction stormwater, and does not necessarily mean you do not need other required permits. You should check with your Regional Permit Administrator (http://www.dec.ny.gov/about/558.html) for further information.

Sincerely,

Toni Cioffi

Toni Cioffi
Environmental Program Specialist

tc

On original form address was transposed to 962 East Main St. which is incorrect. Just to correct it.

renewal-NOEXP366
NYR20E409

BUREAU OF WATER PERMITS
RECEIVED

JUN 21

New York State Department of Environmental Conservation
Division of Water
625 Broadway
Albany, New York 12233-3505

NO EXPOSURE CERTIFICATION for Exclusion from SPDES Storm Water Permitting

I. Owner/Facility Information Rochester Steel Treating Works, Inc.			
Owner/Operator Name: Rochester Steel Treating Works, Inc.			
Mailing Address: 962 East Main Street		City/State/Zip: Rochester, NY 14605	
Contact Name: Brian Miller		Phone No.: (585) 546-3348	
Facility Name: Rochester Steel Treating Works, Inc.			
Street Address: 962 East Main Street		City/State/Zip: Rochester, NY 14605	
County: Monroe	Latitude: 43.2	Longitude: -77.6	SIC Code: 3398
Was the facility previously covered under a SPDES storm water permit? ☐ Yes ☑ No		If yes, enter permit number: NYR_____ **The completion of this section will serve as a termination of your general storm water permit.**	

II. Exposure Checklist

	Are any of the following materials or activities exposed to precipitation, now or in the foreseeable future? (Please check either "Yes" or "No" in the appropriate box.) If you answer "Yes" to any of these questions (1) through (11), you are not eligible for the no exposure exclusion.	YES	NO
1	Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to storm water		✓
2	Materials or residuals on the ground or in storm water inlets from spills/leaks		✓
3	Materials or products from past industrial activity		✓
4	Material handling equipment (except adequately maintained vehicles)		✓
5	Materials or products during loading/unloading or transporting activities		✓
6	Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to storm water does not result in the discharge of pollutants)		✓
7	Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers		✓
8	Materials or products handled/stored on roads or railways owned or maintained by the discharger		✓
9	Waste material (except waste in covered, non-leaking containers [e.g., dumpster])		✓
10	Application or disposal of process wastewater (unless otherwise permitted)		✓
11	Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control permit) and evident in the storm water outflow		✓

III. Certification

I certify under penalty of law that I have read and understand the eligibility requirements for claiming a condition of "no exposure" and obtaining an exclusion from SPDES storm water permitting. I certify under penalty of law that there are no discharges of storm water contaminated by exposure to industrial activities or materials from the industrial facility or site identified in this document (except as allowed under 40 CFR 122.26(g)(2)). I understand that I am obligated to submit a no exposure certification form once every five years to the NPDES permitting authority and, if requested, to the operator of the local municipal separate storm sewer system (MS4) into which the facility discharges (where applicable). I understand that I must allow the SPDES permitting authority, or MS4 operator where the discharge is into the local MS4, to perform inspections to confirm the condition of no exposure and to make such inspection reports publicly available upon request.

Printed Name: Brian Miller	Title/Position: COO
Signature: Brian Miller	Date: 6/18/2012

ENTERED 9/2/2012 B

Clear Form

(10/03/00)

New York State Department of Environmental Conservation

Registration ID: 8-2614-00471/02000 **Facility DEC ID:** 8-2614-00471

AIR FACILITY REGISTRATION CERTIFICATE
in accordance with 6NYCRR Part 201-4

Registration Issued to: ROCHESTER STEEL TREATING WORKS
962 E MAIN ST
ROCHESTER,NY 14605-2742

Contact: ERIC VANGELLOW
962 E MAIN ST
ROCHESTER,NY 14605
(716) 546-3348

Facility: ROCHESTER STEEL TREATING WORKS
962 E MAIN ST
ROCHESTER,NY 14605

Description:
Specialized treating and hardening of misc. metal parts

Total Number of Emission Points: 2 **Cap By Rule:** Yes

Authorized Activity By Standard Industrial Classification Code:
3398 - METAL HEAT TREATING

Registration Effective Date: 05/13/1999 **Registration Expiration Date:** (Not Applicable)

This registrant is required to operate this facility in accordance with all air pollution control applicable Federal and State laws and regulations. Failure to comply with these laws and regulations is a violation of the Environmental Conservation Law (ECL) and the registrant is subject to fines and/or penalties as provided by the ECL.

Thomas L. Marriott

THOMAS L. MARRIOTT
REGION 8 AIR POLLUTION CONTROL ENGINEER
6274 EAST AVON-LIMA ROAD
AVON,NY 14414

File

New York State Department of Environmental Conservation
Division of Environmental Permits, Region 8
274 East Avon-Lima Road, Avon, New York 14414-9519
Phone: (716) 226-2466 FAX: (716) 226-2830

John P. Cahill
Commissioner

May 13, 1999

Mr. Eric VanGellow
Rochester Steel Treating Works
962 E. Main Street
Rochester, New York 14605

Re: Rochester Steel Treating Works
962 E. Main St., Rochester, NY 14605
DEC ID# 8-2614-00471/02000

Dear Mr. VanGellow:

Enclosed please find your formal registration certificate.

You are reminded that 6 NYCRR Part 201 contains various requirements that must be complied with to maintain your facility's continued status as a registered facility. If you have any questions regarding this matter, or have any question regarding registration applicability, please contact Thomas L. Marriott, P.E., Regional Air Pollution Control Engineer, at the Division of Air Resources at this office.

Sincerely,

Nancy H. Barkan

Nancy H. Barkan
Agency Program Aide

Encl.

cc: Mr. Thomas Wickerham, NYSDEC-Avon, Division of Air Resources

New York State Department of Environmental Conservation
Air Facility Registration

DEC ID: 8261400471 Application ID: 8-2614-00471/02000 Received Date: 02/01/1999

Apr 21, 2000 2:22 pm

Facility: ROCHESTER STEEL TREATING WORKS

Owner / Firm

Taxpayer ID

Name	ROCHESTER STEEL TREATING WORKS						
Street	962 E MAIN ST						
City	ROCHESTER	State or Province	NY	Country	USA	Zip/Mail Code	14605 - 2742

Owner / Firm Contact

Name	KIMBERLY M. WILBORN	Phone No. (716) 546-3348

Facility

Name	ROCHESTER STEEL TREATING WORKS
Address	962 E MAIN ST
City	ROCHESTER Zip 14605

Facility Information

Total Number of Emission Points: 2

☑ Cap by Rule

Description

Specialized treating and hardening of misc. metal parts

Standard Industrial Classification Codes

3398					

HAP CAS Numbers

000079-01-6	007647-01-0				

Applicable Federal and New York State Requirements (Part Nos)

40CFR 63	6 NYCRR200	6 NYCRR201	6 NYCRR212		

Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.

Responsible Official	Title
Signature	Date _____ / _____ / _____

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE — ORIGINAL
GREEN — DIVISON OF AIR
WHITE - REGIONAL OFFICE
WHITE - FIELD REP
YELLOW - APPLICANT

OP | LOCATION | FACILITY | EMISSION POINT
C 2 6 1 4 0 6 0 7 6 1 0 0 0 3 1 1

A ADD
C CHANGE
D DELETE

READ INSTRUCTIONS CONTAINED IN FORM 75-11-12 BEFORE ANSWERING ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

SECTION A

1 NAME OF OWNER / FIRM: Rochester Steel Treating Works
2 NUMBER AND STREET ADDRESS: 962 East Main Street
3 CITY - TOWN - VILLAGE: Rochester | 4 STATE: NY | 5 ZIP: 14605
6 OWNER CLASSIFICATION: A ☐ COMMERCIAL B ☒ INDUSTRIAL C ☐ UTILITY D ☐ FEDERAL E ☐ STATE F ☐ MUNICIPAL G ☐ EDUC. INST H ☐ HOSPITAL I ☐ RESIDENTIAL J ☐ OTHER
7 NAME & TITLE OF OWNERS REPRESENTATIVE: Keith Heiden, General Manager | 8 TELEPHONE: (716) 546-3348
9 NAME OF AUTHORIZED AGENT: Day Engineering, P.C. | 10 TELEPHONE: (716) 292-1090
11 NUMBER AND STREET ADDRESS: 2144 Brighton-Henrietta Town Line Rd.
12 CITY - TOWN - VILLAGE: Rochester | 13 STATE: NY | 14 ZIP: 14623
15 NAME OF PE OR AE: Clark K. Price, P.E. | 16 N.Y.S. P.E. OR ARCHITECT LICENSE NO.: 68446 | 17 TELEPHONE: (716) 292-1090
18 SIGNATURE OF OWNER'S REPRESENTATIVE OR AGENT WHEN REQUIRED FOR PE OR AE COMPLETED WORK: 11/14/95
19 FACILITY NAME (IF DIFFERENT FROM OWNER / FIRM):
20 FACILITY LOCATION (NUMBER AND STREET ADDRESS):
21 CITY - TOWN - VILLAGE | 22 ZIP
23 BUILDING NAME OR NUMBER | 24 FLOOR NAME OR NUMBER: 1
25 START UP DATE: 01 / 96 | 26 DRAWING NUMBERS OF PLANS SUBMITTED: None
27 PERMIT TO CONSTRUCT: A ☐ NEW SOURCE B ☐ MODIFICATION
28 CERTIFICATE TO OPERATE: A ☐ NEW SOURCE B ☒ MODIFICATION C ☐ EXISTING SOURCE

SECTION B

29 EMISSION POINT ID	30 GROUND ELEVATION (FT.)	31 HEIGHT ABOVE STRUCTURES (FT.)	32 STACK HEIGHT (FT.)	33 INSIDE DIMENSIONS (IN.)	34 VELOCITY (FT./SEC.)	35 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS / DAY	39 DAYS / YR	40 % OPERATION BY SEASON (Winter / Spring / Summer / Fall)
0 0 0 3 1	425	4	24	36	100	71	30,000	4401	16	250	24 / 24 / 24 / 24

SECTION C

61 DESCRIBE PROCESS OR UNIT: ~~West Treat Room Modification~~

RECEIVED
NOV 27 1995
DRA / REGION 8

SECTION D

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	PROJECTED LIFE
42	43. 99	44	45	52 /	53
48	49	50	51		

SECTION E

CALCULATIONS

The modification involves a reduction in trichloroethylene emissions and the elimination of misc. organics emissions from this source. According to the process engineer, Rochester Steel Treating purchased 24,270 pounds of trichloroethylene for degreasing operations in 1994. Of the quantity purchased, approximately 16,100 pounds of waste trichloroethylene was transported off-site for recycling. Therefore, air emissions from this process were approximately 8,170 pounds for 1994.

ERP Trichloroethylene = Actual Emissions:
lb/hr = 8,170 lbs/yr x 1 yr/4000 hrs = 2.043 lbs/yr
lb/yr = 2.043 lbs/hr x 4000 hrs/yr = 8,170.0 lbs/yr

SECTION F

CONTAMINANT NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET.	EMISSIONS PERMISSIBLE	% CONTROL EFFIC CY	HOURLY EMISSIONS (LBS/HR) ERP	HOURLY EMISSIONS (LBS/HR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) 10*	ANNUAL EMISSIONS (LBS/YR) PERMISSIBLE
54 trichloroethylene	0 0 0 7 9 0 1 6	56.	57.	58. B	59. 2.043	60. 1	61. 6	62. 2.043	63. 0	64. 2.043	65. 2.043	66. 8170	67. 0	68. 8170
69.	70.	71.	72.	73.	74.	75.	76.	77.	78.	79.	80.	81.	82.	83.
84.	85.	86.	87.	88.	89.	90.	91.	92.	93.	94.	95.	96.	97.	98.
99.	100.	101.	102.	103.	104.	105.	106.	107.	108.	109.	110.	111.	112.	113.
114.	115.	116.	117.	118.	119.	120.	121.	122.	123.	124.	125.	126.	127.	128.
129.	130.	131.	132.	133.	134.	135.	136.	137.	138.	139.	140.	141.	142.	143.

SECTION G

SOLID FUEL TYPE	SOLID FUEL TONS / YR	% S	LIQUID FUEL TYPE	LIQUID FUEL THOUSANDS OF GALLONS/YR	% S	GAS TYPE	GAS THOUSANDS OF CF/YR	BTU/CF	APPLICABLE RULE	APPLICABLE RULE
144	145	146	147	148	149	150.	151	152	153 2.12	154

Upon completion of construction sign the statement listed below and forward to the appropriate field representative.
THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

155 SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT: Keith Heiden | DATE: 11/15/95

AGENCY USE ONLY

156 LOCATION CODE	157 FACILITY ID. NO.	158 U.T.M. (E)	159 U.T.M. (N)	160 SIC NUMBER	161 DATE APPL. RECEIVED	162 DATE APPL. REVIEWED	163 REVIEWED BY
2 6 1 4 0 6	0 7 6 1	2 8 9 1 7	7 8 1 8 3	3 3 9 8	/ /	12/7 / 95	C. Lyric

PERMIT TO CONSTRUCT

164 DATE ISSUED	165 EXPIRATION DATE	166 SIGNATURE OF APPROVAL	167 FEE
/ /	/ /		

164
1 DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
2 THIS IS NOT A CERTIFICATE TO OPERATE
3 TESTS AND / OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

CERTIFICATE TO OPERATE

169 DATE ISSUED	170 EXPIRATION DATE	171 SIGNATURE OF APPROVAL	172 FEE
02/01/96	02/01/01	Peter A. Sentz	

173
1 ☐ INSPECTED BY _____ DATE _____
2 ☐ INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PERMIT. CHANGES INDICATED ON FORM
3 ☒ ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
4 ☐ APPLICATION FOR C.O. DENIED _____ DATE _____ (DETAILED)

174 SPECIAL CONDITIONS:
1 A.G.I.

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0319
RUN DATE: 08/07/95

C 261400 0761 00029 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 11/15/90
(5) 14605	(10) REP: ~~ERIC VANGELLOW~~ KEITH HEIDEN 716-546-3348	PRIOR CO ISSUE DATE 03/01/91
		PRIOR CO EXPIRATION DATE 02/01/96

EMISSION POINT 00029
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 21 FT. (43)EXIT VELOCITY: 10.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -3 FT. (48)EXIT FLOW: 13.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2: N
(51)GRND ELEV: 500 FT. (52)STK DIAM: 2 IN. (53)EXIT TEMP: 125 DEGR F (54)CO CONDITIONS: 1

UNIT I
(55)HOURS/DAY: 24.0 (56)DAYS/YEAR: 200 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A3111 POT FURNACE
(59)BLDG: (60)FLOOR NAME: (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. NITRIDING FURNACE

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
AMMONIA	(085) 07664-41-7	(086) C	(087) .250	(088) 01	(089)	(090) .250	(091)	(092) .250	(093) 1200	(094) 0	(095) 1200

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /	
1.	1.	(27)LAST INSPECTION DATE / /
2.	2.	(21)INSPECTION STATUS 5
3.	3.	(22)DATE OF NEXT ACTION / /
4.	4.	(23)ISSUE DATE 02/01/96
5.	5.	(24)EXPIRATION DATE 02/01/01
		(25)CO FEE

FIRM REP'S SIGNATURE: DATE:

ISSUING OFFICER'S SIGNATURE: Peter A. Dent 12/12/95 DATE: 11/15/95

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0324
RUN DATE: 08/07/95

C 261400 0761 RST01 W I01
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTI
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCI
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ~~ERIC VANOELL0W~~ KEITH HEIDEN 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 02/01/96

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I01 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. SOAK CLEAN TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10×	
SODIUM HYDROXIDE	(085)	01310-73-2	(087)	2.800	(088)	02	(089)	09	(091)	60.0	(092)	.003	(093)	5.600	(094)	0
SODIUM CARBONATE	(096)	00497-19-8	(098)	7.600	(099)	02	(100)	09	(102)	60.0	(103)	.008	(104)	15.200	(105)	0
SODIUM SULFATE	(107)	07757-82-6	(109)	.006	(110)	01	(111)	09	(113)	60.0	(114)	.006	(115)	12.000	(116)	0
TETRASODIUM PYROPHOS	(118)	07722-88-5	(120)	18.800	(121)	02	(122)	09	(124)	60.0	(125)	.019	(126)	37.600	(127)	0
PEG OCTYLPHENYLETHER	(129)	09036-19-5	(131)	.012	(132)	01	(133)	09	(135)	60.0	(136)	.012	(137)	24.000	(138)	0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0326
RUN DATE: 08/07/95

: 261400 0761 RSTO1 W I02
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 02/01/96

PAGE 2
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RSTO1
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I02 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. ACID TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10×	
HYDROGEN CHLORIDE	(085)	07647-01-0	(087)	5.200	(088)	02	(089)	09	(091)	60.0	(092)	.005	(093)	10.400	(094)	0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0328
RUN DATE: 08/07/95

C 261400 0761 RST01 W I03
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 02/01/96

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CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I03 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. PENETRATE TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10x	
SODIUM HYDROXIDE	(085)	01310-73-2	(087)	.073	(088)	01	(089)	09	(091)	60.0	(092)	.073	(093)	146.400	(094)	0
SODIUM NITRITE	(096)	07632-00-0	(098)	.008	(099)	01	(100)	09	(102)	60.0	(103)	.008	(104)	16.000	(105)	0
SODIUM NITRATE	(107)	07631-99-4	(109)	.029	(110)	01	(111)	09	(113)	60.0	(114)	.029	(115)	58.000	(116)	0
NICKEL NITRATE	(118)	13138-45-9	(120)	.132	(121)	02	(122)	09	(124)	60.0	(125)	.001	(126)	.264	(127)	0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0330
RUN DATE: 08/07/95

: 261400 0761 RST01 W I04
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 02/01/96

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CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I04 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. WARM WATER RINSE TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10x
WATER MIST	(085)	07732-18-5	(087)	(088) 94	(089) 09	(091)	(092)	(093)	(094)

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0332
RUN DATE: 08/07/95

C 261400 0761 RST01 W I05
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTI
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCI
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 02/01/96

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CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I05 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1308 OTHER SURFACE COATIN

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. HOT OIL TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10×	
BUTYL CARBITOL	(085)	00112-34-5	(087)	11.200	(088)	02	(089)	09	(091)	60.0	(092)	.011	(093)	22.400	(094)	0
PETROLEUM DISTILLATE	(096)	64742-52-5	(098)	.060	(099)	01	(100)	09	(102)	60.0	(103)	.060	(104)	120.000	(105)	0

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0334
RUN DATE: 08/07/95

C 261400 0761 RST01 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 02/01/96

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CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I
(55)HOURS/DAY: (56)DAYS/YEAR: (57)% OP BY SEASON: (58)SOURCE CODE:
(59)BLDG: (60)FLOOR NAME: (61)RULE 1: 212.00 (62)RULE 2:

CONTROL EQUIPMENT
(73)TYPE: 022 FILTER (74)MFG: 16"X16"X2" SS MESH-MANUF UNKNOWN (75)ID: 01 (76)DATE INSTALLED: 11/92
(77)DISPOSAL METHOD: 02 LANDFILL - OFFSITE (78)USEFUL LIFE: 20 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10^x	PERMISSIBLE
SODIUM HYDROXIDE	(085) 01310-73-2	(086) B	(087) 75.800	(088) 02	(089) 09	(090) 75.800	(091) 60.0	(092) .076	(093)152.000	(094) 0	(095)152.000
SODIUM CARBONATE	(096) 00497-19-8	(097) B	(098) 7.600	(099) 02	(100) 09	(101) 7.600	(102) 60.0	(103) .008	(104) 15.200	(105) 0	(106) 15.200
NICKEL NITRATE	(107) 13138-45-9	(108) B	(109) .006	(110) 01	(111) 09	(112) .006	(113) 60.0	(114) .006	(115) 12.000	(116) 0	(117) 12.000
TETRASODIUM PYROPHOS	(118) 07722-88-5	(119) B	(120) 18.800	(121) 02	(122) 09	(123) 18.800	(124) 60.0	(125) .019	(126) 37.600	(127) 0	(128) 37.600
PEG OCTYLPHENYLETHER	(129) 09036-19-5	(130) B	(131) .012	(132) 01	(133) 09	(134) .012	(135) 60.0	(136) .012	(137) 24.000	(138) 0	(139) 24.000
HYDROGEN CHLORIDE	(140) 07647-01-0	(141) B	(142) 5.200	(143) 02	(144) 09	(145) 5.200	(146) 60.0	(147) .005	(148) 10.400	(149) 0	(150) 10.400
CONTINUATION FORM J											
SODIUM NITRITE	(085) 07632-00-0 (096)	(086) A (097)	(087) .008 (098) .029	(088) 01 (099) 01	(089) 09 (100) 09	(090) .008 (101) .029	(091) 60.0 (102) 60.0	(092) .008 (103) .029	(093) 16.000 (104) 58.000	(094) 0 (105) 0	(095) (106) 58.000
NICKEL NITRATE	(107) 13138-45-9	(108) B	(109) .132	(110) 02	(111) 09	(112) .132	(113) 60.0	(114) .001	(115) .264	(116) 0	(117) .264
BUTYL CARBITOL	(118) 00112-34-5	(119) B	(120) 11.200	(121) 02	(122) 09	(123) 11.200	(124) 60.0	(125) .011	(126) 22.400	(127) 0	(128) 22.400
PETROLEUM DISTILLATE	(129) 64742-52-5	(130) B	(131) .060	(132) 01	(133) 09	(134) .060	(135) 60.0	(136) .060	(137)	(138) 0	(139)120.000

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0335
RUN DATE: 08/07/95

C 261400 0761 RST01 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 02/01/96

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CONTINUED FROM PREVIOUS PAGE

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

SPECIAL CONDITIONS (151)CONDITION 1. AGI

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /	(27)LAST INSPECTION DATE / /
1.	1.	(21)INSPECTION STATUS 5
2.	2.	(22)DATE OF NEXT ACTION / /
3.	3.	(23)ISSUE DATE 02/01/96
4.	4.	(24)EXPIRATION DATE 02/01/01
5.	5.	(25)CO FEE

FIRM REP'S SIGNATURE: DATE: ISSUING OFFICER'S SIGNATURE: DATE:

Keith E Herder Pete G. Lent 12/12/95 11/15/95

OID 13793 8-2614-00471

Rochester Steel Treating Works, Inc.

Over 60 years of quality service

RECEIVED
NOV 27 1995
DRA - REGION 8

November 14, 1995

New York State Department of Environmental Conservation
Department of Regulatory Affairs
6274 East Avon-Lima Road
Avon, NY 14414

Re: Facility ID# 261400 0761
Operating Permit Renewal Applications

Dear Mr. Scott:

Enclosed are renewal applications and one modification application with a Short Environmental Assessment Form and SEQR Supplement Form for the following air contamination sources at Rochester Steel Treating:

Emission Point	Description	Permit Type
RST01	Misc. Tanks	Renewal
00029	Nitriding Furnace	Renewal
00031	Heat Treat Room	Modification

If you have any questions or comments please contact me at (716) 546-3348.

Very truly yours,

Keith Heiden
General Manager

Atmosphere Heat Treating and Gas Carburizing

Carbo Nitriding

Ammonia Nitriding

Vacuum Heat Treating

Black Oxide Finishing

Stress Relieving, Normalizing and Annealing

Hardening Tools and Dies

Induction Hardening

Member A.S.M. A.W.S. A.S.M.E. N.T.M.A. M.T.I.

CP970

962 East Main Street • Rochester, New York 14605 • (716) 546-3348 • Fax (716) 546-1684

APPLICATION / SEQR SUPPLEMENT
Page 1 of 2

(To Be Used With Permits To Construct And Certificates To Operate modifications to air contaminant emission sources .)

INSTRUCTIONS TO APPLICANTS:

You are being asked to complete this form to provide the Department with additional information on the changes (modifications) you plan to make on an existing air contaminant emission source at your facility. This information along with the information you have provided in the required application form and short Environmental Assessment Form is needed for us to make a determination of the scope of the changes and to decide whether other approvals will be required. One form should be completed for each emission source being modified.

PART I. General Information on the Emission Source and Application.

1. Facility Name Rochester Steel Treating Works, Inc.
2. Emission Point No. : 00031 DEC APPLICATION NO: _____
3. Process Description: Heat Treat Room
4. Reason For Changes: Reduction in trichloroethylene emissions and elimination of misc. organic emissions.

PART II. Description of Changes Made to Air Contaminant Emissions that represent material changes to permitted activities. These include addition of new contaminants and increasing peak hourly emissions of existing contaminants.

A. Information on New Contaminants emitted from source.

CONTAMINANTS	PEAK HOURLY EMISSIONS RATE (LBS/HR)	ACTUAL ANNUAL EMISSION RATE (LBS/YR)	POTENTIAL ANNUAL EMISSION RATE (LBS/YR)
	[FROM BOX 59 OR BOX 65]*	[FROM BOX 66]*	[BOX 59 OR BOX 65 TIMES 8760 HRS/YR]*

*Boxes referred to are on application form.

If additional space is needed make a copy of the form.

(Continued on Back Page)

APPLICATION / SEQR SUPPLEMENT
PAGE 2 of 2

PART II. Description of Changes Made to Air Contaminant Emissions (Continued)

B. Existing Contaminants with Increases in peak hourly emissions.

CONTAMINANTS WITH INCREASED PEAK HOURLY EMISSION RATES	PEAK HOURLY EMISSION RATE (LBS/HR)		ACTUAL ANNUAL EMISSION RATE (LBS/YR)		CHANGE IN POTENTIAL ANNUAL EMISSION RATE (LBS/YR)
	[FROM BOX 59 OR BOX 65]		[FROM BOX 66]		[BOX 59 OR BOX 65 TIMES 8760 HRS/YR FOR BOTH PROPOSED AND CURRENT . THEN SUBTRACT CURRENT FROM PROPOSED POTENTIAL ANNUAL RATES]
CONTAMINANTS	PROPOSED	CURRENT	PROPOSED	CURRENT	CHANGE
trichloroethylene	2.043	5.2	8170	21913	(27655)
misc. organics	0	0.1	0	416	(876)

C. Net changes in potential annual emissions of Volatile Organic Compounds (VOCs)

TOTAL INCREASE IN POTENTIAL ANNUAL VOC EMISSIONS = (TONS/YEAR = TPY)	0	TPY
(FROM TABLES A AND B ABOVE AND BASED ON 8760 HOURS / YEAR)		
TOTAL DECREASE IN POTENTIAL ANNUAL VOC EMISSIONS = (TONS/YEAR = TPY))	14.3	TPY
(CONTAMINANTS DELETED OR DECREASES IN POTENTIAL ANNUAL EMISSION RATE BASED ON 8760 HOURS/YEAR AT PEAK HOURLY EMISSION RATE)		
NET CHANGE IN POTENTIAL ANNUAL VOC EMISSIONS = (TONS/YEAR = TPY)	(14.3)	TPY
(TOTAL INCREASES MINUS TOTAL DECREASES)		

Application Review Report

Facility Name: Rochester Steel Treating
Source Number: 261400 076100031
Date: 07-Dec-95
Time: 02:45 PM
Reviewed By: C. Wylie

Stach Height = 24

Cp = (4218 X HER)/He^2.16
Ca = (.482 X AER)/He^2.16
Cst= Cp X 420

Name	CAS Number	SGC	AGC	Toxicity	Hourly Emissions	Annual Emissions	Cp	Ca	Cst
Trichloroethylene	000079-01-6	33000.00000	0.45000000	MODERATE	2.043	8170.000	8.997433	4.111618	3778.922

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0321
RUN DATE: 08/07/95

C 261400 0761 00031 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 11/15/90
(5) 14605	(10) REP: ~~ERIC VANGELLOW~~ KEITH HEIDEN 716-546-3348	PRIOR CO ISSUE DATE 02/01/91
		PRIOR CO EXPIRATION DATE 02/01/96

EMISSION POINT 00031
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 70.14 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: FT. (48)EXIT FLOW: 30000.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2: N
(51)GRND ELEV: 500 FT. (52)STK DIAM: 36 IN. (53)EXIT TEMP: 100 DEGR F (54)CO CONDITIONS: 1 3 EDIT: REV. REQ.

UNIT I
(55)HOURS/DAY: 16.0 (56)DAYS/YEAR: 260 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1401 ANNEALING
(59)BLDG: (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION : HEAT TREAT ROOM VENTILATION

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	ANNUAL EMISSIONS (LBS/YEAR) 10^x	ANNUAL EMISSIONS (LBS/YEAR) PERMISSIBLE
TRICHLOROETHYLENE	(085) 00079-01-6	(086) D	(087) 5.200	(088) 01	(089) 06	(090) 5.200	(091)	(092) 5.200	(093) 21913	(094) 0	(095) 21913
MISCELLANEOUS ORG	(096) NY990-00-0	(097) D	(098) .100	(099) 01	(100) 09	(101) .100	(102)	(103) .100	(104)416.000	(105) 0	(106)416.000

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

CO MODIFICATION PERMIT ENCLOSED

(15)PRIOR COMMENTS (16)BY YURKSTAS (17)DATE 07/24/81
1. OPERATING AT 100% CAPACITY
2.
3.
4. NO VISIBLE EMISSIONS AT TIME OF INSPECTION
5.

(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /
1.
2.
3.
4.
5.

(27)LAST INSPECTION DATE / /
(21)INSPECTION STATUS
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE / /
(24)EXPIRATION DATE / /
(25)CO FEE

FIRM REP'S SIGNATURE: DATE:

ISSUING OFFICER'S SIGNATURE: Keith E Heiden DATE: 11/15/95

14-16-4 (2/87)—Text 12

PROJECT I.D. NUMBER

617.21
Appendix C
State Environmental Quality Review

SEQR

SHORT ENVIRONMENTAL ASSESSMENT FORM

For UNLISTED ACTIONS Only

PART I—PROJECT INFORMATION (To be completed by Applicant or Project sponsor)

1. APPLICANT /SPONSOR
Rochester Steel Treating Works, Inc.

2. PROJECT NAME
Air Source Permit

3. PROJECT LOCATION:
Municipality Rochester County Monroe

4. PRECISE LOCATION (Street address and road intersections, prominent landmarks, etc., or provide map)
962 East Main Street
Rochester, New York 14605

5. IS PROPOSED ACTION:
☐ New ☐ Expansion ☒ Modification/alteration

6. DESCRIBE PROJECT BRIEFLY:
EP# 00031 - Reduction in trichloroethylene emissions, elimination of misc. organic emissions.

7. AMOUNT OF LAND AFFECTED:
Initially N/A acres Ultimately _____ acres

8. WILL PROPOSED ACTION COMPLY WITH EXISTING ZONING OR OTHER EXISTING LAND USE RESTRICTIONS?
☒ Yes ☐ No If No, describe briefly

9. WHAT IS PRESENT LAND USE IN VICINITY OF PROJECT?
☐ Residential ☒ Industrial ☐ Commercial ☐ Agriculture ☐ Park/Forest/Open space ☐ Other
Describe:

10. DOES ACTION INVOLVE A PERMIT APPROVAL, OR FUNDING, NOW OR ULTIMATELY FROM ANY OTHER GOVERNMENTAL AGENCY (FEDERAL, STATE OR LOCAL)?
☐ Yes ☒ No If yes, list agency(s) and permit/approvals

11. DOES ANY ASPECT OF THE ACTION HAVE A CURRENTLY VALID PERMIT OR APPROVAL?
☒ Yes ☐ No If yes, list agency name and permit/approval
Air Permit for 00031

12. AS A RESULT OF PROPOSED ACTION WILL EXISTING PERMIT/APPROVAL REQUIRE MODIFICATION?
☒ Yes ☐ No

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor name: Keith Heiden, General Manager Date: 11/15/95

Signature: Keith E. Heiden

If the action is in the Coastal Area, and you are a state agency, complete the Coastal Assessment Form before proceeding with this assessment

OVER

PART II—ENVIRONMENTAL ASSESSMENT (To be completed by Agency)

A. DOES ACTION EXCEED ANY TYPE I THRESHOLD IN 6 NYCRR, PART 617.12? If yes, coordinate the review process and use the FULL EAF.
☐ Yes ☐ No

B. WILL ACTION RECEIVE COORDINATED REVIEW AS PROVIDED FOR UNLISTED ACTIONS IN 6 NYCRR, PART 617.6? If No, a negative declaration may be superseded by another involved agency.
☐ Yes ☐ No

C. COULD ACTION RESULT IN ANY ADVERSE EFFECTS ASSOCIATED WITH THE FOLLOWING: (Answers may be handwritten, if legible)

C1. Existing air quality, surface or groundwater quality or quantity, noise levels, existing traffic patterns, solid waste production or disposal, potential for erosion, drainage or flooding problems? Explain briefly:

C2. Aesthetic, agricultural, archaeological, historic, or other natural or cultural resources; or community or neighborhood character? Explain briefly:

C3. Vegetation or fauna, fish, shellfish or wildlife species, significant habitats, or threatened or endangered species? Explain briefly:

C4 A community's existing plans or goals as officially adopted, or a change in use or intensity of use of land or other natural resources? Explain briefly.

C5. Growth, subsequent development, or related activities likely to be induced by the proposed action? Explain briefly.

C6. Long term, short term, cumulative, or other effects not identified in C1-C5? Explain briefly.

C7. Other impacts (including changes in use of either quantity or type of energy)? Explain briefly.

D. IS THERE, OR IS THERE LIKELY TO BE, CONTROVERSY RELATED TO POTENTIAL ADVERSE ENVIRONMENTAL IMPACTS?
☐ Yes ☐ No If Yes, explain briefly

PART III—DETERMINATION OF SIGNIFICANCE (To be completed by Agency)

INSTRUCTIONS: For each adverse effect identified above, determine whether it is substantial, large, important or otherwise significant. Each effect should be assessed in connection with its (a) setting (i.e. urban or rural); (b) probability of occurring; (c) duration; (d) irreversibility; (e) geographic scope; and (f) magnitude. If necessary, add attachments or reference supporting materials. Ensure that explanations contain sufficient detail to show that all relevant adverse impacts have been identified and adequately addressed.

☐ Check this box if you have identified one or more potentially large or significant adverse impacts which **MAY** occur. Then proceed directly to the FULL EAF and/or prepare a positive declaration.

☐ Check this box if you have determined, based on the information and analysis above and any supporting documentation, that the proposed action **WILL NOT** result in any significant adverse environmental impacts **AND** provide on attachments as necessary, the reasons supporting this determination:

Name of Lead Agency

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Signature of Preparer (If different from responsible officer)

Date

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0147
RUN DATE: 12/18/95

C 261400 0761 00031 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNT
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANC
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 12/11/95
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

EMISSION POINT 00031
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 71.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 30000.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2: N
(51)GRND ELEV: 425 FT. (52)STK DIAM: 36 IN. (53)EXIT TEMP: 100 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I
(55)HOURS/DAY: 16.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1401 ANNEALING
(59)BLDG: (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. HEAT TREAT ROOM VENTILATION

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	ANNUAL EMISSIONS (LBS/YEAR) PERMISSIBLE
TRICHLOROETHYLENE	(085) 00079-01-6	(086) B	(087) 2.043	(088) 01	(089) 06	(090) 2.043	(091)	(092) 2.043	(093) 8170	(094) 0	(095) 8170

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

SPECIAL CONDITIONS (151)CONDITION 1. AG1

(15)PRIOR COMMENTS (16)BY YURKSTAS (17)DATE 07/24/81
1. OPERATING AT 100% CAPACITY
2.
3.
4. NO VISIBLE EMISSIONS AT TIME OF INSPECTION
5.

(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /
1. _____
2. _____
3. _____
4. _____
5. _____

(27)LAST INSPECTION DATE / /
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 02/01/96
(24)EXPIRATION DATE 02/01/01
(25)CO FEE $50.00

FIRM REP'S SIGNATURE: DATE:

ISSUING OFFICER'S SIGNATURE: DATE:

Albert W. Butters JAN. 17 1996

8-2614-00471/00004-AC
6-AO

Rochester Steel Treating Works, Inc.

Over 60 years of quality service

original sent to Air 2/15/96 for them to update the SMS

RECEIVED
FEB 15 1996
DRA - REGION 8

February 13, 1996

New York State Department of Environmental Conservation
DRS - Department of Regulatory Services
6274 East Avon-Lima Road
Avon, New York 14414-9519

Re: ***Certificate to Operate Renewals***
Facility ID# 26 1400 1761
Emission Point RST02

Dear Sir or Madame:

It is the desire of Rochester Steel Treating Works, Inc. to eliminate the above referenced Certificate to Operate / Air Contamination Source. The air contaminants covered by this permit (sulfuric acid, nitric acid mist, sodium hydroxide, and sodium carbonate) are no longer dispersed by this facility. ***On December 31, 1993, Rochester Steel Treating Works, Inc. ceased all operations of its anodizing line.***

Please do not hesitate to contact me regarding this matter. We would be happy to provide the DEC with any additional paperwork to support this filing.

Sincerely,

Kimberly Miller Wilborn

Kimberly Miller Wilborn

kmw/s

cc: Keith Heiden

Atmosphere Heat Treating and Gas Carburizing

Carbo Nitriding

Ammonia Nitriding

Vacuum Heat Treating

Black Oxide Finishing

Stress Relieving, Normalizing and Annealing

Hardening Tools and Dies

Induction Hardening

Member A.S.M. A.W.S. A.S.M.E. N.T.M.A. M.T.I.

962 East Main Street • Rochester, New York 14605 • (716) 546-3348 • Fax (716) 546-1684

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0731
RUN DATE: 01/02/96

C 261400 0761 RST02 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNT
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANC
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/09/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 07/01/96

PAGE 6
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST02
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 8050.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I
(55)HOURS/DAY: (56)DAYS/YEAR: (57)% OP BY SEASON: (58)SOURCE CODE:
(59)BLDG: (60)FLOOR NAME: (61)RULE 1: 212.00 (62)RULE 2:

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10x	PERMISSIBLE
SULFURIC ACID	(085) 07664-93-9	(086) B	(087) .250	(088) 01	(089) 09	(090) .250	(091)	(092) .250	(093)625.000	(094) 0	(095)625.000
NITRIC ACID MIST	(096) 07697-37-2	(097) B	(098) .330	(099) 01	(100) 09	(101) .330	(102)	(103) .330	(104)825.000	(105) 0	(106)825.000
SODIUM HYDROXIDE	(107) 01310-73-2	(108) B	(109) .700	(110) 01	(111) 09	(112) .700	(113)	(114) .700	(115) 1750	(116) 0	(117) 1750
SODIUM CARBONATE	(118) 00497-19-8	(119) B	(120) .130	(121) 01	(122) 09	(123) .130	(124)	(125) .130	(126)325.000	(127) 0	(128)325.000

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

SPECIAL CONDITIONS (151)CONDITION 1. AGI

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY _____ (20)DATE __/__/__	(27)LAST INSPECTION DATE __/__/__
1.	1.	(21)INSPECTION STATUS
2.	2.	(22)DATE OF NEXT ACTION __/__/__
3.	3.	(23)ISSUE DATE __/__/__
4.	4.	(24)EXPIRATION DATE __/__/__
5.	5.	(25)CO FEE

FIRM REP'S SIGNATURE: DATE: ISSUING OFFICER'S SIGNATURE: DATE:

EMISSIONS CALCULATIONS - RST02.05

Aluminum parts are soak cleaned in a 20% sodium hydroxide/2% sodium carbonate solution. It is estimated that this heated bath emits 50 ppm of a caustic mist which has a composition similar to the bath.

ERP = Actual Emissions - sodium hydroxide:

$$\text{Lb/hr} = \frac{(50\text{ppm})(40)(8050)(60\text{min/hr})}{385.1 \times 10^6} \times 0.20 = 0.5 \text{ lb/hr}$$

Lb/yr = 0.5 lb/hr x 2500 hrs/yr = 1250.0 lbs/yr

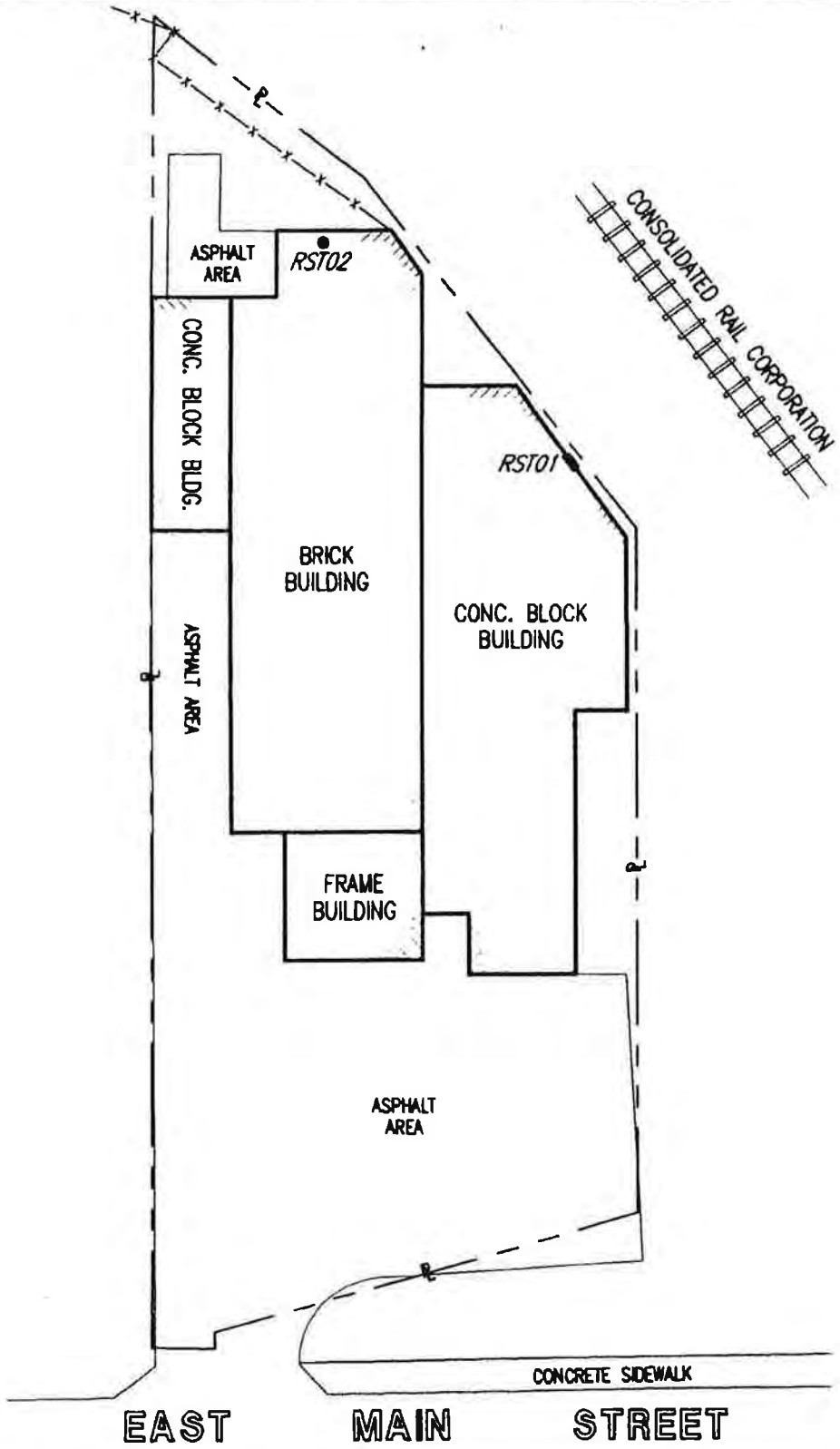
ERP = Actual Emissions - sodium carbonate:

$$\text{Lb/hr} = \frac{(50\text{ ppm})(105.99)(8050)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.02 = 0.13 \text{ lb/hr}$$

Lb/yr = 0.13 lb/hr x 2500 hrs/yr = 325.0 lbs/yr

TIME PLOTTED: MON MAY 3, 11:40:00 1993
FILENAME: RST2

REF1: BORDER7
REF2: RST1
REF3: REF3



PROJECT NO. 93-1833i FIGURE IC1.1 SHEET 1 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE ROCHESTER STEEL TREATING SITE PLAN	**DAY ENGINEERING, P.C.** *ENVIRONMENTAL ENGINEERING CONSULTANTS* *ROCHESTER, NEW YORK*	DATE 5/3/93 DRAWN BY RJM SCALE 1" = 40'

Rochester Steel Treating Works, Inc.

962 EAST MAIN STREET
ROCHESTER, NEW YORK 14605

716 · 546-3348
FAX 716 · 546-1684

OVER FIFTY YEARS
OF QUALITY SERVICE

MEMBER
A.S.M. A.W.S.
A.S.M.E. M.T.I.
N.T.M.A.

May 7, 1993

8-2614-00471

Mr. Robert Scott
New York State Department of Environmental Conservation
Department of Regulatory Affairs
6274 East Avon-Lima Road
Avon, NY 14414

Re: Air Permits

Dear Mr. Scott:

Enclosed are completed air permit applications with plans and Short Environmental Assessment Form for the following air contamination sources at Rochester Steel Treating Works, Inc.:

Reference Number	Description	Permit Type
RST01	Black Oxide Line	Certificate to Operate Existing Source
RST02	Aluminum Anodizing Line	Certificate to Operate Existing Source

A letter authorizing Day Engineering, P.C. to act as agent in the preparation of the enclosed permits is also included.

If you have any questions or comments please contact me at (716) 546-3348.

Very truly yours,

Keith E. Heiden

Keith Heiden
General Manager

Rochester Steel Treating Works, Inc.

962 EAST MAIN STREET
ROCHESTER, NEW YORK 14605

716 · 546-3348
FAX 716 · 546-1684

OVER FIFTY YEARS
OF QUALITY SERVICE

MEMBER
A.S.M. A.W.S.
A.S.M.E. M.T.I.
N.T.M.A.

May 7, 1993

Mr. Albert Butkas
Regional Permit Administrator
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

Dear Mr. Butkas:

Day Engineering, P.C. is authorized to sign the air permit applications for systems RST01 and RST02 on behalf of Rochester Steel Treating Works, Inc.

Very truly yours,

Keith E. Heiden

Keith Heiden
General Manager

47-19-2A (1/91)--10n

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

RECORD OF COMPLIANCE

Permit Application Supplement

Please read all instructions on reverse side before completing this application

Please TYPE or PRINT clearly

DEPARTMENT USE ONLY
DEC APPLICATION NUMBER

1. FULL NAME OF APPLICANT

Rochester Steel Treating Works, Inc.

2. MAILING ADDRESS (Principal Place of Business)
Street

962 East Main Street

City/State/Zip Code

Rochester, New York 14605

3. NEW YORK STATE MAILING ADDRESS (If different)
Street

City/State/Zip Code

4. TYPE OF ORGANIZATION (State whether Individual, Partnership, Company, Corporation, Governmental Agency, Municipality, or other entity)

Corporation

5. Does the applicant currently hold any permit issued under the Environmental Conservation Law?

☒ Yes ☐ No

6. (a) Has the applicant been denied a permit or has the applicant had a permit revoked or suspended under the Environmental Conservation Law? or (b) Is the applicant currently the subject of an enforcement action under the Environmental Conservation Law?

(a) ☐ Yes ☒ No (b) ☐ Yes ☒ No

7. If any answer to questions 5, 6(a), or 6(b) is YES, provide details on a separate page and attach it to this form.

8. Has the applicant, and if the applicant is a corporation, has any officer, director, or large stockholder (owner of 25 percent or more stock) of the corporation, ever been:

a. found in an administrative, civil or criminal proceeding to have violated any provision of the Environmental Conservation Law (ECL), any related order or determination of the Commissioner, any regulation promulgated pursuant to the ECL, the condition of any permit issued thereunder, or any similar statute, regulation, order or permit condition of any other government agency, foreign or domestic?

☐ Yes ☒ No

b. an officer, director or large stockholder (owner of 25% or more stock) of a corporation which—during the time such person was an officer, director or large stockholder—was determined in an administrative, civil or criminal proceeding to have violated any provision of the Environmental Conservation Law (ECL), any related order or determination of the Commissioner, any regulation promulgated pursuant to the ECL, the condition of any permit issued thereunder, or any similar statute, regulation, order or permit condition of any other government agency, foreign or domestic?

☐ Yes ☒ No

c. convicted of a criminal offense under the laws of any state or of the United States or of any other government, foreign or domestic, which involves environmental statutes or regulations, or fraud, bribery, perjury, theft or an offense against public administration as that term is used in Article 195 of the Penal Law?

☐ Yes ☒ No

d. an officer, director or large stockholder (owner of 25% or more stock) of a corporation which—during the time such person was an officer, director or large stockholder—was convicted of a criminal offense under the laws of any state or the United States or of any other government, foreign or domestic, which involves environmental statutes or regulations or fraud, bribery, perjury, theft, or an offense against public administration as that term is used in Article 195 of the Penal Law?

☐ Yes ☒ No

9. If any answer to question 8a through 8d is YES, provide details on a separate page and attach it to this form.

10. Does the applicant currently owe any regulatory fees to the Department of Environmental Conservation?

☐ Yes, Amount _____ ☒ No

11. CERTIFICATION (By Applicant who is an individual)

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief, and that I have the authority to sign this application pursuant to 6 NYCRR Part 360. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date	Signature	Print Name
5/19/93	Keith E. Heiden	Keith E. Heiden

ITEMS 12 THROUGH 15 TO BE COMPLETED BY AN APPLICANT OTHER THAN AN INDIVIDUAL

12. SPECIFY UNDER WHAT LAW APPLICANT WAS ORGANIZED	13. STATE	14. DATE OF ORGANIZATION

15. CERTIFICATION (By An Applicant Other Than An Individual)

I hereby affirm under penalty of perjury that I am _____ (title) of _____ (entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction; and that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date	Signature	Print Name

Instructions for the Completion of

NYSDEC PERMIT APPLICATION—SUPPLEMENT

Record of Compliance

Make every effort to enter the information requested in the spaces provided on this form, but attach additional sheets where space prohibits full and complete answers.

Submit this form to the Regional Permit Administrator for the DEC region in which the facility is, or is proposed to be, located. See map below.

ITEM NUMBER

1 Enter the full name of the Applicant.

2 Enter the mailing address for applicant's principal place of business.

3 Enter applicant's New York State mailing address, if applicable.

4 Enter the type of organization.

5 Include all current permits.

6a Answer "yes" if any permit that you applied for was denied, or if any permit you were granted was ever revoked, cancelled, suspended or otherwise involuntarily terminated.

6b Answer "yes" if you are a party to any enforcement action pending with DEC.

7 Provide details for each "yes" answer to 6a or 6b. Be as specific as possible, using a separate sheet.

8 Check appropriate boxes.

9 Provide details for each "yes" answer to 8a through 8d. Be as specific as possible, using a separate sheet.

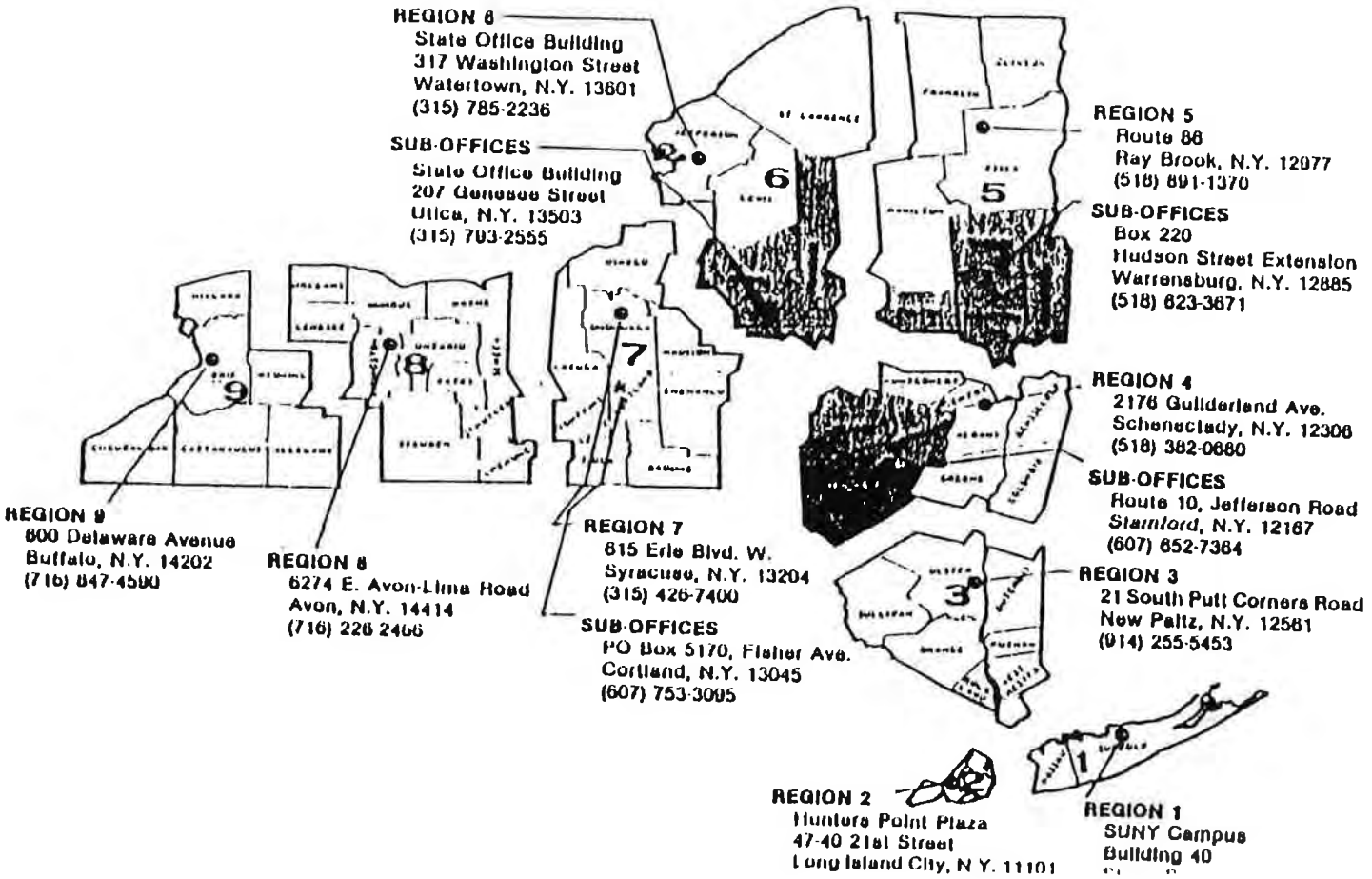
10 If a regulatory fee is owed, indicate the amount and status of any dispute filed.

11 This certification block is to be used only by an applicant who is an individual and not by a public or private corporation, co-partnership, political subdivision, government agency, authority, department or bureau of the State, municipality, industry, association, firm, trust, or estate. See 621.3(a)(2).

12 to 15 These questions and the certification block are to be completed only by an applicant that is a public or private corporation, co-partnership, political subdivision, industry, association, firm, trust, or estate and who is not an applicant who is an individual. See 621.3(a)(2).

Contact the Regional Permit Administrator, Division of Regulatory Affairs, at the appropriate office of the Department, as given below, for assistance regarding the above requirements.

Department of Environmental Conservation Regional Offices
Division of Regulatory Affairs



Rochester Steel Treating Works, Inc.

962 EAST MAIN STREET
ROCHESTER, NEW YORK 14605

716 · 546-3348
FAX 716 · 546-1684

OVER FIFTY YEARS
OF QUALITY SERVICE

MEMBER
A.S.M. A.W.S.
A.S.M.E. M.T.I.
N.T.M.A.

Other Permits issued under the Environmental Conservation Law.

Air Permits

Number

C 261400 0761 00031 W I
C 261400 0761 00029 W I

Bulk Storage

Number

8-000175

14-16-4 (2/87)—Text 12

PROJECT I.D. NUMBER

617.21
Appendix C
State Environmental Quality Review

SEQR

SHORT ENVIRONMENTAL ASSESSMENT FORM

For UNLISTED ACTIONS Only

PART I—PROJECT INFORMATION (To be completed by Applicant or Project sponsor)

1. APPLICANT /SPONSOR
Rochester Steel Treating Works, Inc.

2. PROJECT NAME
Parts Treating Lines

3. PROJECT LOCATION:
Municipality Rochester County Monroe

4. PRECISE LOCATION (Street address and road intersections, prominent landmarks, etc., or provide map)
962 East Main Street
Rochester, New York 14605

5. IS PROPOSED ACTION:
☒ New ☐ Expansion ☐ Modification/alteration

6. DESCRIBE PROJECT BRIEFLY:
Emission Source RST01 - existing black oxide line.
Emission Source RST02 - existing aluminum anodizing line.

7. AMOUNT OF LAND AFFECTED:
Initially _____ acres N/A Ultimately _____ acres

8. WILL PROPOSED ACTION COMPLY WITH EXISTING ZONING OR OTHER EXISTING LAND USE RESTRICTIONS?
☒ Yes ☐ No If No, describe briefly

9. WHAT IS PRESENT LAND USE IN VICINITY OF PROJECT?
☐ Residential ☒ Industrial ☒ Commercial ☐ Agriculture ☐ Park/Forest/Open space ☐ Other
Describe:

10. DOES ACTION INVOLVE A PERMIT APPROVAL, OR FUNDING, NOW OR ULTIMATELY FROM ANY OTHER GOVERNMENTAL AGENCY (FEDERAL, STATE OR LOCAL)?
☐ Yes ☒ No If yes, list agency(s) and permit/approvals

11. DOES ANY ASPECT OF THE ACTION HAVE A CURRENTLY VALID PERMIT OR APPROVAL?
☐ Yes ☒ No If yes, list agency name and permit/approval

12. AS A RESULT OF PROPOSED ACTION WILL EXISTING PERMIT/APPROVAL REQUIRE MODIFICATION?
☐ Yes ☒ No

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor name: Keith Heiden, General Manager Date: 5/12/93

Signature: Keith C. Heiden

If the action is in the Coastal Area, and you are a state agency, complete the Coastal Assessment Form before proceeding with this assessment

OVER

PART II—ENVIRONMENTAL ASSESSMENT (To be completed by Agency)

A. DOES ACTION EXCEED ANY TYPE I THRESHOLD IN 6 NYCRR, PART 617.12? If yes, coordinate the review process and use the FULL EAF.
☐ Yes ☐ No

B. WILL ACTION RECEIVE COORDINATED REVIEW AS PROVIDED FOR UNLISTED ACTIONS IN 6 NYCRR, PART 617.6? If No, a negative declaration may be superseded by another involved agency.
☐ Yes ☐ No

C. COULD ACTION RESULT IN ANY ADVERSE EFFECTS ASSOCIATED WITH THE FOLLOWING: (Answers may be handwritten, if legible)

C1. Existing air quality, surface or groundwater quality or quantity, noise levels, existing traffic patterns, solid waste production or disposal, potential for erosion, drainage or flooding problems? Explain briefly:

C2. Aesthetic, agricultural, archaeological, historic, or other natural or cultural resources; or community or neighborhood character? Explain briefly:

C3. Vegetation or fauna, fish, shellfish or wildlife species, significant habitats, or threatened or endangered species? Explain briefly:

C4. A community's existing plans or goals as officially adopted, or a change in use or intensity of use of land or other natural resources? Explain briefly.

C5. Growth, subsequent development, or related activities likely to be induced by the proposed action? Explain briefly.

C6. Long term, short term, cumulative, or other effects not identified in C1-C5? Explain briefly.

C7. Other impacts (including changes in use of either quantity or type of energy)? Explain briefly.

D. IS THERE, OR IS THERE LIKELY TO BE, CONTROVERSY RELATED TO POTENTIAL ADVERSE ENVIRONMENTAL IMPACTS?
☐ Yes ☐ No If Yes, explain briefly

PART III—DETERMINATION OF SIGNIFICANCE (To be completed by Agency)

INSTRUCTIONS: For each adverse effect identified above, determine whether it is substantial, large, important or otherwise significant. Each effect should be assessed in connection with its (a) setting (i.e. urban or rural); (b) probability of occurring; (c) duration; (d) irreversibility; (e) geographic scope; and (f) magnitude. If necessary, add attachments or reference supporting materials. Ensure that explanations contain sufficient detail to show that all relevant adverse impacts have been identified and adequately addressed.

☐ Check this box if you have identified one or more potentially large or significant adverse impacts which **MAY** occur. Then proceed directly to the FULL EAF and/or prepare a positive declaration.

☐ Check this box if you have determined, based on the information and analysis above and any supporting documentation, that the proposed action **WILL NOT** result in any significant adverse environmental impacts **AND** provide on attachments as necessary, the reasons supporting this determination:

Name of Lead Agency

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Signature of Preparer (If different from responsible officer)

Date

PART II—ENVIRONMENTAL ASSESSMENT (To be completed by Agency)

A. DOES ACTION EXCEED ANY TYPE I THRESHOLD IN 6 NYCRR, PART 617.12? If yes, coordinate the review process and use the FULL EAF.
☐ Yes ☒ No

B. WILL ACTION RECEIVE COORDINATED REVIEW AS PROVIDED FOR UNLISTED ACTIONS IN 6 NYCRR, PART 617.6? If No, a negative declaration may be superseded by another involved agency.
☐ Yes ☐ No

C. COULD ACTION RESULT IN ANY ADVERSE EFFECTS ASSOCIATED WITH THE FOLLOWING (Answers may be handwritten, if legible)

C1. Existing air quality, surface or groundwater quality or quantity, noise levels, existing traffic patterns, solid waste production or disposal, potential for erosion, drainage or flooding problems? Explain briefly:

Air contaminant emissions are in compliance with Air Quality guidelines and regulations. Considering the impact of this project relative to the impacts of the existing facility, no significant adverse effects are expected in the above areas.

C2. Aesthetic, agricultural, archaeological, historic, or other natural or cultural resources; or community or neighborhood character? Explain briefly:

The project will not result in any significant adverse effects in the above areas of concern because it will occur in an existing building at an existing facility.

C3. Vegetation or fauna, fish, shellfish or wildlife species, significant habitats, or threatened or endangered species? Explain briefly:

The project will not result in any significant adverse effects in the above areas of concern because it will occur at an existing facility.

C4. A community's existing plans or goals as officially adopted, or a change in use or intensity of use of land or other natural resources? Explain briefly.

The project is located in area zoned locally as industrial. The project will not result in change of use or intensity of use of land or other natural resources.

C5. Growth, subsequent development, or related activities likely to be induced by the proposed action? Explain briefly

The project will not induce growth or subsequent development to any significant degree.

C6. Long term, short term, cumulative, or other effects not identified in C1-C5? Explain briefly.

The project will not result in significant adverse secondary or cumulative effects. ~~The source emissions are not covered by Prevention of Significant Deterioration requirements~~.

C7. Other impacts (including changes in use of either quantity or type of energy)? Explain briefly

There will be no significant change in use or quantity of energy as a result of undertaking this project.

D. IS THERE, OR IS THERE LIKELY TO BE, CONTROVERSY RELATED TO POTENTIAL ADVERSE ENVIRONMENTAL IMPACTS?
☐ Yes ☒ No If Yes, explain briefly

PART III—DETERMINATION OF SIGNIFICANCE (To be completed by Agency)

INSTRUCTIONS: For each adverse effect identified above, determine whether it is substantial, large, important or otherwise significant. Each effect should be assessed in connection with its (a) setting (i.e. urban or rural); (b) probability of occurring; (c) duration; (d) irreversibility; (e) geographic scope; and (f) magnitude. If necessary, add attachments or reference supporting materials. Ensure that explanations contain sufficient detail to show that all relevant adverse impacts have been identified and adequately addressed.

☐ Check this box if you have identified one or more potentially large or significant adverse impacts which MAY occur. Then proceed directly to the FULL EAF and/or prepare a positive declaration.

☒ Check this box if you have determined, based on the information and analysis above and any supporting documentation, that the proposed action WILL NOT result in any significant adverse environmental impacts AND provide on attachments as necessary, the reasons supporting this determination:

Name of Action

Name of Lead Agency

Print or Type Name of Responsible Officer in Lead Agency

Responsible Officer in Lead Agency

Signature of Preparer (If different from Responsible Officer)

6/3/93

Date

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Air Resources, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-2466 I F: (585) 226-2909
www.dec.ny.gov

May 4, 2016

Mr. Brian Miller, Chief Operating Officer
Rochester Steel Treating Works, Inc.
962 East Main Street
Rochester, New York 14605

Dear Mr. Miller:

Re: Air Facility Registration 8-2614-00471
Updated Application Information

The Department has reviewed the information you have provided to update your facility Registration 8-2614-00471. As you may be aware, the Department has revised a number of the air regulations since your registration was issued in 1999. The revisions to 6 NYCRR Part 201-5(a)(3) now affects facilities with emissions of all "persistent, bio accumulative or toxic compounds." Facilities that exceed the thresholds in 201-9 Table 1 are no longer able to register. Emissions of Trichloroethylene, as indicated on your application documents, appears to exceed this threshold and may also have 6 NYCRR Part 212 requirements.

The Department requests that you submit an application for a State Facility Permit prepared by a licensed Professional Engineer registered in New York State. The following link will direct you to the DEC website where you can download the necessary forms and instructions: http://www.dec.ny.gov/chemical/4754.html.

If you have any questions or require additional information, please contact me at 585-226-5413.

Sincerely,

George Brinkwart, P.E.
Environmental Engineer

New York State Department of Environmental Conservation

Registration ID: 8-2614-00471/02000 **Facility DEC ID:** 8-2614-00471

AIR FACILITY REGISTRATION CERTIFICATE
in accordance with 6NYCRR Part 201-4

Registration Issued to: ROCHESTER STEEL TREATING WORKS
962 E MAIN ST
ROCHESTER,NY 14605-2742

Contact: ERIC VANGELLOW
962 E MAIN ST
ROCHESTER,NY 14605
(716) 546-3348

Facility: ROCHESTER STEEL TREATING WORKS
962 E MAIN ST
ROCHESTER,NY 14605

Description:
Specialized treating and hardening of misc. metal parts

Total Number of Emission Points: 2 **Cap By Rule:** Yes

Authorized Activity By Standard Industrial Classification Code:
3398 - METAL HEAT TREATING

Registration Effective Date: 05/13/1999 **Registration Expiration Date:** (Not Applicable)

This registrant is required to operate this facility in accordance with all air pollution control applicable Federal and State laws and regulations. Failure to comply with these laws and regulations is a violation of the Environmental Conservation Law (ECL) and the registrant is subject to fines and/or penalties as provided by the ECL.

Thomas L. Marriott

THOMAS L. MARRIOTT
REGION 8 AIR POLLUTION CONTROL ENGINEER
6274 EAST AVON-LIMA ROAD
AVON,NY 14414

FINAL 05/13/1999

New York State Department of Environmental Conservation
Division of Environmental Permits, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9519
Phone: (716) 226-2466 FAX: (716) 226-2830

John P. Cahill
Commissioner

May 13, 1999

Mr. Eric VanGellow
Rochester Steel Treating Works
962 E. Main Street
Rochester, New York 14605

Re: Rochester Steel Treating Works
962 E. Main St., Rochester, NY 14605
DEC ID# 8-2614-00471/02000

Dear Mr. VanGellow:

Enclosed please find your formal registration certificate.

You are reminded that 6 NYCRR Part 201 contains various requirements that must be complied with to maintain your facility's continued status as a registered facility. If you have any questions regarding this matter, or have any question regarding registration applicability, please contact Thomas L. Marriott, P.E., Regional Air Pollution Control Engineer, at the Division of Air Resources at this office.

Sincerely,

Nancy H. Barkan

Nancy H. Barkan
Agency Program Aide

Encl.

cc: Mr. Thomas Wickerham, NYSDEC-Avon, Division of Air Resources

Source Management System
DataList Report

Facility ID - 2614000761

LOCATION FACILITY

NAME - ROCHESTER STEEL TREATING WKS
ADDRESS - 962 E MAIN ST
CTV - ROCHESTER ZIP - 14605
TITLE V - A NOX RACT - VOC RACT -
PGM CDE -
CLASSIFICATION - B INDUSTRIAL
SIC - 3398
FACILITY REP - ERIC VANGELLOW 716-546-3348
AGENCY CODE -
EMISSION CLS - A

EMISSION POINT 00029

EMISSION UNITID - U00029
PC ISSUE - CO ISSUE - 3/1/91
PC EXPIR - CO EXPIR - 5/15/01
ACTION - 1
DNA -10/1/85
201 EP EXEMPT -
SYSTEM CHECK -
COMPLIANCE STATUS - X
CONFIDENTIAL INFO -
INSPECTION STATUS - 5
AGENCY CODE - N
CHANGE DATE - 4/20/96
INSP DATE - 9/23/85

UTM(E) - 289.7 ELEV - 500 STK HT - 21 VELOCITY - 10 TEMP - 125
UTM(N) - 781.8 DIAM - 2 HT ABVE - -3 FLOW RATE - 13

PROCESS UNIT 99

Equipment ID - START DATE
SOURCE CODE -A3111
PRIMARY SCC -3-03-009-34
HRS/DY - 24 OP BY SEASON - 25 25 25 25
DAYS/YR - 200
SECONDARY SCC -
RULE(S) - 212.00 AND

PROCESS DESCRIP

NITRIDING FURNACE

CONTROL EQUIPMENT

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

CURRENT EMISSIONS

	(LBS/HR)				(LBS/YR)
CAS - 07664-41-7	INPUT - 0	ACTUAL - .25			ACTUAL - 1200
NAME - AMMONIA	UNITS - --	UNITS - 1 LBS/HR	% CONT - 0		POWER - 0
	RATING - C	PERMIS - .25	ACTUAL - .25		PERMIS - 1200

SPECIAL CONDITION

NONE

EMISSION POINT 00031

EMISSION UNITID - U00031
PC ISSUE - CO ISSUE - 2/1/96
PC EXPIR - CO EXPIR - 2/1/01
ACTION - 3
DNA -10/1/85
201 EP EXEMPT -
SYSTEM CHECK -
COMPLIANCE STATUS - C
CONFIDENTIAL INFO -
INSPECTION STATUS - 5
AGENCY CODE - N
CHANGE DATE - 12/11/95
INSP DATE - 9/23/85

UTM(E) - 289.7 ELEV - 425 STK HT - 24 VELOCITY - 71 TEMP - 100
UTM(N) - 781.8 DIAM - 36 HT ABVE - 4 FLOW RATE - 30000

PROCESS UNIT 99

Equipment ID -
START DATE 1/1/80
SOURCE CODE -1401
PRIMARY SCC -3-03-009-34
HRS/DY - 16 OP BY SEASON - 25 25 25 25
DAYS/YR - 250
SECONDARY SCC -
RULE(S) - 212.00 AND

PROCESS DESCRIP

HEAT TREAT ROOM VENTILATION

CONTROL EQUIPMENT

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

CURRENT EMISSIONS

	(LBS/HR)				(LBS/YR)
CAS - 00079-01-6	INPUT - 0	ACTUAL - 2.043			ACTUAL - 8170
NAME - TRICHLOROETHYLENE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 0		POWER - 0
	RATING - B	PERMIS - 2.043	ACTUAL - 2.043		PERMIS - 8170

SPECIAL CONDITION

AG1

EMISSION POINT RST01

EMISSION UNITID - URST01
PC ISSUE - CO ISSUE - 6/1/93
PC EXPIR - CO EXPIR - 5/15/01
ACTION - 3
DNA -
201 EP EXEMPT - E
SYSTEM CHECK -
COMPLIANCE STATUS - X
CONFIDENTIAL INFO -
INSPECTION STATUS -
AGENCY CODE -
CHANGE DATE - 6/3/97
INSP DATE -

UTM(E) - 289.7 ELEV - 425 STK HT - 15 VELOCITY - 1.22 TEMP - 75
UTM(N) - 781.8 DIAM - 0 HT ABVE - -5 FLOW RATE - 733

PROCESS UNIT 01

Equipment ID -
SOURCE CODE -1202
PRIMARY SCC -
HRS/DY - 8 OP BY SEASON - 25 25 25 25
DAYS/YR - 250
SECONDARY SCC -

PROCESS DESCRIP

SOAK CLEAN TANK

*CURRENT EMISSIONS *			(LBS/HR)				(LBS/YR) *
*	* CAS - 00497-19-8	INPUT - 0	ACTUAL - 7.6			ACTUAL - 15.2	*
*	* NAME - SODIUM CARBONATE	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .008			*
*	* CAS - 01310-73-2	INPUT - 0	ACTUAL - 2.8			ACTUAL - 5.6	*
*	* NAME - SODIUM HYDROXIDE	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .003			*
*	* CAS - 07722-88-5	INPUT - 0	ACTUAL - 18.8			ACTUAL - 37.6	*
*	* NAME - TETRASODIUM PYRO	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .019			*
*	* CAS - 07757-82-6	INPUT - 0	ACTUAL - .006			ACTUAL - 12	*
*	* NAME - SODIUM SULFATE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .006			*
*	* CAS - 09036-19-5	INPUT - 0	ACTUAL - .012			ACTUAL - 24	*
*	* NAME - PEG OCTYLPHENYLE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .012			*
* PROCESS UNIT 02	* Equipment ID -						*
*	* SOURCE CODE -1201		HRS/DY - 8	OP BY SEASON - 25 25 25 25			*
*	*		DAYS/YR - 250				*
*	* PRIMARY SCC -		SECONDARY SCC -				*
* PROCESS DESCRIP	*						*
*	* ACID TANK						*
*CURRENT EMISSIONS *			(LBS/HR)				(LBS/YR) *
*	* CAS - 07647-01-0	INPUT - 0	ACTUAL - 5.2			ACTUAL - 10.4	*
*	* NAME - HYDROGEN CHLORID	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .005			*
* PROCESS UNIT 03	* Equipment ID -						*
*	* SOURCE CODE -1202		HRS/DY - 8	OP BY SEASON - 25 25 25 25			*
*	*		DAYS/YR - 250				*
*	* PRIMARY SCC -		SECONDARY SCC -				*
* PROCESS DESCRIP	*						*
*	* PENETRATE TANK						*
*CURRENT EMISSIONS *			(LBS/HR)				(LBS/YR) *
*	* CAS - 01310-73-2	INPUT - 0	ACTUAL - .073			ACTUAL - 146.4	*
*	* NAME - SODIUM HYDROXIDE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .073			*
*	* CAS - 07631-99-4	INPUT - 0	ACTUAL - .029			ACTUAL - 58	*
*	* NAME - SODIUM NITRATE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .029			*
*	* CAS - 07632-00-0	INPUT - 0	ACTUAL - .008			ACTUAL - 16	*
*	* NAME - SODIUM NITRITE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .008			*
*	* CAS - 13138-45-9	INPUT - 0	ACTUAL - .132			ACTUAL - .264	*
*	* NAME - NICKEL NITRATE	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0	*
*	*			ACTUAL - .001			*
* PROCESS UNIT 04	* Equipment ID -						*
*	* SOURCE CODE -1202		HRS/DY - 8	OP BY SEASON - 25 25 25 25			*
*	*		DAYS/YR - 250				*
*	* PRIMARY SCC -		SECONDARY SCC -				*
* PROCESS DESCRIP	*						*
*	* WARM WATER RINSE TANK						*
*CURRENT EMISSIONS *			(LBS/HR)				(LBS/YR) *
*	* CAS - 07732-18-5	INPUT - 0	ACTUAL - 0			ACTUAL - 0	*
*	* NAME - WATER MIST	UNITS - --	UNITS - 94 TRACE	% CONT - .0001		POWER - 0	*
*	*			ACTUAL - 0			*
* PROCESS UNIT 05	* Equipment ID -						*
*	* SOURCE CODE -1308		HRS/DY - 8	OP BY SEASON - 25 25 25 25			*
*	*		DAYS/YR - 250				*
*	* PRIMARY SCC -		SECONDARY SCC -				*
* PROCESS DESCRIP	*						*
*	* HOT OIL TANK						*
*CURRENT EMISSIONS *			(LBS/HR)				(LBS/YR) *

Source Management System
DataList Report

	CAS - 00112-34-5	INPUT - 0	ACTUAL - 11.2					ACTUAL - 22.4	
	NAME - BUTYL CARBITOL	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60			POWER - 0	
					ACTUAL - .011				
	CAS - 64742-52-5	INPUT - 0	ACTUAL - .06					ACTUAL - 120	
	NAME - PETROLEUM DISTILL	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60			POWER - 0	
					ACTUAL - .06				
PROCESS UNIT 99	Equipment ID -	START DATE 1/1/93			RULE(S) - 212.00 AND				
	SOURCE CODE -		HRS/DY - 0		OP BY SEASON - 0 0 0 0				
			DAYS/YR - 0						
	PRIMARY SCC -		SECONDARY SCC -						
PROCESS DESCRIP									
CONTROL EQUIPMENT									
	TYPE - 22 Filter			INST. DATE - 11/1/92		DISP. METHOD - 2			
	MFG -16"X16"X2" SS MESH-MANUF UNKNOWN			USEFUL LIFE - 20					
CURRENT EMISSIONS			(LBS/HR)					(LBS/YR)	
	CAS -	INPUT - 0	ACTUAL - 0					ACTUAL - 58	
	NAME - N/A	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60			POWER - 0	
		RATING -	PERMIS - .029		ACTUAL - .029			PERMIS - 58	
	CAS - 00112-34-5	INPUT - 0	ACTUAL - 11.2					ACTUAL - 22.4	
	NAME - BUTYL CARBITOL	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - 11.2		ACTUAL - .011			PERMIS - 22.4	
	CAS - 00497-19-8	INPUT - 0	ACTUAL - 7.6					ACTUAL - 15.2	
	NAME - SODIUM CARBONATE	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - 7.6		ACTUAL - .008			PERMIS - 15.2	
	CAS - 01310-73-2	INPUT - 0	ACTUAL - 75.8					ACTUAL - 152	
	NAME - SODIUM HYDROXIDE	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - 75.8		ACTUAL - .076			PERMIS - 152	
	CAS - 07632-00-0	INPUT - 0	ACTUAL - .008					ACTUAL - 16	
	NAME - SODIUM NITRITE	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60			POWER - 0	
		RATING - A	PERMIS - .008		ACTUAL - .008			PERMIS - 0	
	CAS - 07647-01-0	INPUT - 0	ACTUAL - 5.2					ACTUAL - 10.4	
	NAME - HYDROGEN CHLORID	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - 5.2		ACTUAL - .005			PERMIS - 10.4	
	CAS - 07722-88-5	INPUT - 0	ACTUAL - 18.8					ACTUAL - 37.6	
	NAME - TETRASODIUM PYRO	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - 18.8		ACTUAL - .019			PERMIS - 37.6	
	CAS - 09036-19-5	INPUT - 0	ACTUAL - .012					ACTUAL - 24	
	NAME - PEG OCTYLPHENYLE	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - .012		ACTUAL - .012			PERMIS - 24	
	CAS - 13138-45-9	INPUT - 0	ACTUAL - .132					ACTUAL - .264	
	NAME - NICKEL NITRATE	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - .132		ACTUAL - .001			PERMIS - .264	
	CAS - 13138-45-9	INPUT - 0	ACTUAL - .006					ACTUAL - 12	
	NAME - NICKEL NITRATE	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - .006		ACTUAL - .006			PERMIS - 12	
	CAS - 64742-52-5	INPUT - 0	ACTUAL - .06					ACTUAL - 0	
	NAME - PETROLEUM DISTILL	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60			POWER - 0	
		RATING - B	PERMIS - .06		ACTUAL - .06			PERMIS - 120	
SPECIAL CONDITION									
	AGI								
EMISSION POINT RST02	EMISSION UNITID - URST02			201 EP EXEMPT -				AGENCY CODE -	
	PC ISSUE -	CO ISSUE - 6/1/93		SYSTEM CHECK -				CHANGE DATE - 4/20/96	
	PC EXPIR -	CO EXPIR - 5/15/01		COMPLIANCE STATUS - C					
		ACTION - 3		CONFIDENTIAL INFO -					
	DNA -			INSPECTION STATUS -				INSP DATE -	
	UTM(E) - 289.7	ELEV - 425	STK HT - 24	VELOCITY - 27		TEMP - 75			
	UTM(N) - 781.8	DIAM - 30	HT ABVE - 4	FLOW RATE - 8050					
PROCESS UNIT 01	Equipment ID -								
	SOURCE CODE -1308		HRS/DY - 10	OP BY SEASON - 25 25 25 25					
			DAYS/YR - 250						
	PRIMARY SCC -3-09-011-03		SECONDARY SCC -						
PROCESS DESCRIP									

```
*                  * ALUMINUM ANODIZING TANKS (2)                                                                                    *
*------------------*-------------------------------------------------------------------------------------------------------------------*
*CURRENT EMISSIONS *                                          (LBS/HR)                                                  (LBS/YR)  *
*                  *  CAS - 07664-93-9      INPUT -  0      ACTUAL -  .25                                          ACTUAL -  625  *
*                  * NAME - SULFURIC ACID   UNITS - --       UNITS -  1 LBS/HR          % CONT -  0              POWER -  0  *
*                  *                                                                    ACTUAL -  .25                        *
*********************************************************************************************************************************
*   PROCESS UNIT   * Equipment ID -                                                                                              *
*        02        * SOURCE CODE -1202                          HRS/DY -  10   OP BY SEASON -  25 25 25 25                     *
*                  *                                           DAYS/YR -  250                                                 *
*                  * PRIMARY SCC -3-09-011-99                  SECONDARY SCC -                                                *
*------------------*-------------------------------------------------------------------------------------------------------------------*
* PROCESS DESCRIP  *                                                                                                           *
*                  * COLD WATER RINSE TANKS                                                                                     *
*------------------*-------------------------------------------------------------------------------------------------------------------*
*CURRENT EMISSIONS *                                          (LBS/HR)                                                  (LBS/YR)  *
*                  *  CAS - 07732-18-5      INPUT -  0      ACTUAL -  0                                            ACTUAL -  0    *
*                  * NAME - WATER MIST      UNITS - --       UNITS -  94 TRACE          % CONT -  .0001          POWER -  0  *
*                  *                                                                    ACTUAL -  0                          *
*********************************************************************************************************************************
*   PROCESS UNIT   * Equipment ID -                                                                                              *
*        03        * SOURCE CODE -1201                          HRS/DY -  10   OP BY SEASON -  25 25 25 25                     *
*                  *                                           DAYS/YR -  250                                                 *
*                  * PRIMARY SCC -3-09-011-02                  SECONDARY SCC -                                                *
*------------------*-------------------------------------------------------------------------------------------------------------------*
* PROCESS DESCRIP  *                                                                                                           *
*                  * ACID TANK                                                                                                  *
*------------------*-------------------------------------------------------------------------------------------------------------------*
*CURRENT EMISSIONS *                                          (LBS/HR)                                                  (LBS/YR)  *
*                  *  CAS - 07697-37-2      INPUT -  0      ACTUAL -  .33                                          ACTUAL -  825  *
*                  * NAME - NITRIC ACID MISTUNITS - --       UNITS -  1 LBS/HR          % CONT -  0              POWER -  0  *
*                  *                                                                    ACTUAL -  .33                        *
*********************************************************************************************************************************
*   PROCESS UNIT   * Equipment ID -                                                                                              *
*        04        * SOURCE CODE -1204                          HRS/DY -  10   OP BY SEASON -  25 25 25 25                     *
*                  *                                           DAYS/YR -  250                                                 *
*                  * PRIMARY SCC -3-09-015-01                  SECONDARY SCC -                                                *
*------------------*-------------------------------------------------------------------------------------------------------------------*
* PROCESS DESCRIP  *                                                                                                           *
*                  * ETCH TANK                                                                                                  *
*------------------*-------------------------------------------------------------------------------------------------------------------*
*CURRENT EMISSIONS *                                          (LBS/HR)                                                  (LBS/YR)  *
*                  *  CAS - 01310-73-2      INPUT -  0      ACTUAL -  .2                                           ACTUAL -  500  *
*                  * NAME - SODIUM HYDROXIDEUNITS - --       UNITS -  1 LBS/HR          % CONT -  0              POWER -  0  *
*                  *                                                                    ACTUAL -  .2                         *
*********************************************************************************************************************************
*   PROCESS UNIT   * Equipment ID -                                                                                              *
*        05        * SOURCE CODE -1202                          HRS/DY -  10   OP BY SEASON -  25 25 25 25                     *
*                  *                                           DAYS/YR -  250                                                 *
*                  * PRIMARY SCC -3-09-011-99                  SECONDARY SCC -                                                *
*------------------*-------------------------------------------------------------------------------------------------------------------*
* PROCESS DESCRIP  *                                                                                                           *
*                  * SOAK CLEAN TANK                                                                                            *
*------------------*-------------------------------------------------------------------------------------------------------------------*
*CURRENT EMISSIONS *                                          (LBS/HR)                                                  (LBS/YR)  *
*                  *  CAS - 00497-19-8      INPUT -  0      ACTUAL -  .13                                          ACTUAL -  325  *
*                  * NAME - SODIUM CARBONATEUNITS - --       UNITS -  1 LBS/HR          % CONT -  0              POWER -  0  *
*                  *                                                                    ACTUAL -  .13                        *
*                  *-----------------------------------------------------------------------------------------------------------*
*                  *  CAS - 01310-73-2      INPUT -  0      ACTUAL -  .5                                           ACTUAL -  1250 *
*                  * NAME - SODIUM HYDROXIDEUNITS - --       UNITS -  1 LBS/HR          % CONT -  0              POWER -  0  *
*                  *                                                                    ACTUAL -  .5                         *
*********************************************************************************************************************************
*   PROCESS UNIT   * Equipment ID -          START DATE  11/1/92                          RULE(S) - 212.00 AND                   *
*        99        * SOURCE CODE -                              HRS/DY -  0    OP BY SEASON -  0 0 0 0                        *
*                  *                                           DAYS/YR -  0                                                   *
*                  * PRIMARY SCC -3-09-011-99                  SECONDARY SCC -                                                *
*------------------*-------------------------------------------------------------------------------------------------------------------*
* PROCESS DESCRIP  *                                                                                                           *
*------------------*-------------------------------------------------------------------------------------------------------------------*
* CONTROL EQUIPMENT*                                                                                                           *
*                  * TYPE -  99  MFG - *** NO CONTROL EQUIPMENT ***                                                             *
*------------------*-------------------------------------------------------------------------------------------------------------------*
*CURRENT EMISSIONS *                                          (LBS/HR)                                                  (LBS/YR)  *
*                  *  CAS - 00497-19-8      INPUT -  0      ACTUAL -  .13                                          ACTUAL -  325  *
*                  * NAME - SODIUM CARBONATEUNITS - --       UNITS -  1 LBS/HR          % CONT -  0              POWER -  0  *
*                  *                        RATING - B       PERMIS -  .13              ACTUAL -  .13            PERMIS -  325 *
*                  *-----------------------------------------------------------------------------------------------------------*
*                  *  CAS - 01310-73-2      INPUT -  0      ACTUAL -  .7                                           ACTUAL -  1750 *
*                  * NAME - SODIUM HYDROXIDEUNITS - --       UNITS -  1 LBS/HR          % CONT -  0              POWER -  0  *
*                  *                        RATING - B       PERMIS -  .7               ACTUAL -  .7             PERMIS -  1750 *
```

Source Management System
DataList Report

*	* CAS - 07664-93-9	INPUT - 0	ACTUAL - .25				ACTUAL - 625	*
*	* NAME - SULFURIC ACID	UNITS - --	UNITS - 1 LBS/HR	% CONT - 0			POWER - 0	*
*	*	RATING - B	PERMIS - .25	ACTUAL - .25			PERMIS - 625	*
*	* CAS - 07697-37-2	INPUT - 0	ACTUAL - .33				ACTUAL - 825	*
*	* NAME - NITRIC ACID MIST	UNITS - --	UNITS - 1 LBS/HR	% CONT - 0			POWER - 0	*
*	*	RATING - B	PERMIS - .33	ACTUAL - .33			PERMIS - 825	*
* SPECIAL CONDITION*								*
*	* AGI							*

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

DIRECTIONS: Complete this form, make a copy for your records, triple fold so the reply address and bar codes on the reverse-side are visible, carefully tape shut, and mail. Postage is required. Return Receipt is suggested. If you have any questions or need a new form, call the Bureau of Technical Support at (518) 457-7450 re: "Capping Letter."

CHOICE OF OPTION TO CONFORM TO PERMITTING REQUIREMENTS OF 6NYCRR PART 201 (SELECT ONLY ONE OPTION THAT APPLIES)

Dear NYS DEC Division of Air Resources:

This is in response to the New York State Department of Environmental Conservation's letter outlining the options that would bring my facility into compliance with the State permitting requirements as defined in 6 NYCRR Part 201.

☐ **OPTION #1** - **(RETURN BY JANUARY 31, 1999)** - The letter I received from NYS DEC regarding the amount of emissions this facility may legally emit into the atmosphere is not applicable for the following reasons: _____

_____

_____

_____ (attach additional sheets if necessary and mail in an envelope to the address on reverse-side)

☒ **OPTION #2** - This facility emits less than half of the major source threshold for each criteria pollutant, less than 5 tons per year of any single Hazardous Air Pollutant (HAP) and less than 12.5 tons per year of all combined HAPs. This facility acknowledges that it will comply with all applicable State and Federal air pollution control and recordkeeping requirements. As explained in the Source Owner letter, by responding with this form **within 180 days** from the date the Source Owner letter was received, my facility will be considered to be a Registered facility per Part 201. The facility will continue to pay annual State fees in accordance with 6 NYCRR Part 482-2. **The number of regulated air pollutant emission points (stacks) at the facility is:** 2 **(mandatory for fee billing purposes).**

☐ **OPTION #3** - This facility intends to submit a State Facility Permit application to the appropriate Regional Permit Administrator **within 180 days** of receipt of the Source Owner letter from DEC. It is further understood and acknowledged that this facility will maintain records, comply with all applicable State and Federal air pollution control requirements and pay annual State fees in accordance with 6 NYCRR Part 482-2.

☐ **Check this box if you are interested in attending a State Facility Permit workshop (RETURN BY JANUARY 31, 1999)**

☐ **OPTION #4** - Please be advised that this facility can not limit its air pollutant emissions below the major source thresholds. This facility acknowledges that without obtaining federally enforceable emission limits, it will be subject to the applicable Title V requirements as set forth in the Federal Clean Air Act Amendments of 1990 and 6 NYCRR Part 201. As explained in the Source Owner letter, Part 201 requires this facility to submit a Title V Operating Permit application to the appropriate Regional Permit Administrator **within 180 days** of receipt of the above mentioned, or equivalent, letter from NYS DEC. **This completed reply form serves as our intent to do so and will be returned to NYS DEC by January 31, 1999.** In addition, this facility is indicating that it will be required to complete and submit annual emission statements sent by the NYS DEC and pay Operating Permit Program fees. Pursuant to 6 NYCRR Part 482-2 the facility's air permit fee will be based on actual emissions of regulated air contaminants from the facility in the prior calendar year, or in the absence of such demonstrations, on the facility's permitted emissions.

☐ **Check this box if you are interested in attending a Title V Facility Permit workshop (RETURN BY JANUARY 31, 1999)**

The undersigned is familiar with this facility's operations and, in particular, the annual emissions of regulated air contaminants resulting from the operation of this facility and is authorized to act on behalf of the facility with regard to this matter. All future correspondence should be addressed to the undersigned.

8264400971

SIGNATURE: Kimberly Miller Wilborn DATE: 1-28-99

NAME + TITLE (print): Kimberly Miller Wilborn

Operations

08029 F A 2614000761
ROCHESTER STEEL TREATING WKS
Attn: Environmental Manager
962 E MAIN ST
ROCHESTER NY 14605

capping-reply-1298

PLEASE FOLD THIS FLAP INSIDE

Fold along dotted line

From: RSTW
962 East Main St
Roch NY 14605

DIVISION OF AIR RESOURCES-BTS
NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF RD
ALBANY NY 12233-3253

Fold along dotted line

Tape Here (on outside)

DO NOT STAPLE

Tape Here (on outside)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Air Resources, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-2466 I F: (585) 226-2909
www.dec.ny.gov

May 4, 2016

Mr. Brian Miller, Chief Operating Officer
Rochester Steel Treating Works, Inc.
962 East Main Street
Rochester, New York 14605

Dear Mr. Miller:

Re: Air Facility Registration 8-2614-00471
Updated Application Information

The Department has reviewed the information you have provided to update your facility Registration 8-2614-00471. As you may be aware, the Department has revised a number of the air regulations since your registration was issued in 1999. The revisions to 6 NYCRR Part 201-5(a)(3) now affects facilities with emissions of all "persistent, bio accumulative or toxic compounds." Facilities that exceed the thresholds in 201-9 Table 1 are no longer able to register. Emissions of Trichloroethylene, as indicated on your application documents, appears to exceed this threshold and may also have 6 NYCRR Part 212 requirements.

The Department requests that you submit an application for a State Facility Permit prepared by a licensed Professional Engineer registered in New York State. The following link will direct you to the DEC website where you can download the necessary forms and instructions: http://www.dec.ny.gov/chemical/4754.html.

If you have any questions or require additional information, please contact me at 585-226-5413.

Sincerely,

George Brinkwart, P.E.
Environmental Engineer

New York State Department of Environmental Conservation

Registration ID: 8-2614-00471/02000 **Facility DEC ID:** 8-2614-00471

AIR FACILITY REGISTRATION CERTIFICATE
in accordance with 6NYCRR Part 201-4

Registration Issued to: ROCHESTER STEEL TREATING WORKS
962 E MAIN ST
ROCHESTER,NY 14605-2742

Contact: ERIC VANGELLOW
962 E MAIN ST
ROCHESTER,NY 14605
(716) 546-3348

Facility: ROCHESTER STEEL TREATING WORKS
962 E MAIN ST
ROCHESTER,NY 14605

Description:
Specialized treating and hardening of misc. metal parts

Total Number of Emission Points: 2 **Cap By Rule:** Yes

Authorized Activity By Standard Industrial Classification Code:
3398 - METAL HEAT TREATING

Registration Effective Date: 05/13/1999 **Registration Expiration Date:** (Not Applicable)

This registrant is required to operate this facility in accordance with all air pollution control applicable Federal and State laws and regulations. Failure to comply with these laws and regulations is a violation of the Environmental Conservation Law (ECL) and the registrant is subject to fines and/or penalties as provided by the ECL.

Thomas L. Marriott

THOMAS L. MARRIOTT
REGION 8 AIR POLLUTION CONTROL ENGINEER
6274 EAST AVON-LIMA ROAD
AVON,NY 14414

New York State Department of Environmental Conservation
Division of Environmental Permits, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9519
Phone: (716) 226-2466 FAX: (716) 226-2830

John P. Cahill
Commissioner

May 13, 1999

Mr. Eric VanGellow
Rochester Steel Treating Works
962 E. Main Street
Rochester, New York 14605

Re: Rochester Steel Treating Works
962 E. Main St., Rochester, NY 14605
DEC ID# 8-2614-00471/02000

Dear Mr. VanGellow:

Enclosed please find your formal registration certificate.

You are reminded that 6 NYCRR Part 201 contains various requirements that must be complied with to maintain your facility's continued status as a registered facility. If you have any questions regarding this matter, or have any question regarding registration applicability, please contact Thomas L. Marriott, P.E., Regional Air Pollution Control Engineer, at the Division of Air Resources at this office.

Sincerely,

Nancy H. Barkan

Nancy H. Barkan
Agency Program Aide

Encl.

cc: Mr. Thomas Wickerham, NYSDEC-Avon, Division of Air Resources

Source Management System
DataList Report

Facility ID - 2614000761

LOCATION FACILITY

NAME - ROCHESTER STEEL TREATING WKS
ADDRESS - 962 E MAIN ST
CTY - ROCHESTER ZIP - 14605
TITLE V - A NOX RACT - VOC RACT -
PGM CDE -

CLASSIFICATION - B INDUSTRIAL
SIC - 3398
FACILITY REP - ERIC VANGELLOW 716-546-3348
AGENCY CODE -
EMISSION CLS - A

EMISSION POINT 00029

EMISSION UNITID - U00029
PC ISSUE -
PC EXPIR -
DNA -10/1/85
CO ISSUE - 3/1/91
CO EXPIR - 5/15/01
ACTION - 1
201 EP EXEMPT -
SYSTEM CHECK -
COMPLIANCE STATUS - X
CONFIDENTIAL INFO -
INSPECTION STATUS - 5
AGENCY CODE - N
CHANGE DATE - 4/20/96
INSP DATE - 9/23/85

UTM(E) - 289.7 ELEV - 500 STK HT - 21 VELOCITY - 10 TEMP - 125
UTM(N) - 781.8 DIAM - 2 HT ABVE - -3 FLOW RATE - 13

PROCESS UNIT 99

Equipment ID -
SOURCE CODE -A3111
PRIMARY SCC -3-03-009-34
START DATE
HRS/DY - 24 OP BY SEASON - 25 25 25 25
DAYS/YR - 200
SECONDARY SCC -
RULE(S) - 212.00 AND

PROCESS DESCRIP

NITRIDING FURNACE

CONTROL EQUIPMENT

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

CURRENT EMISSIONS

	(LBS/HR)				(LBS/YR)
CAS - 07664-41-7	INPUT - 0	ACTUAL - .25			ACTUAL - 1200
NAME - AMMONIA	UNITS - --	UNITS - 1 LBS/HR	% CONT - 0		POWER - 0
	RATING - C	PERMIS - .25	ACTUAL - .25		PERMIS - 1200

SPECIAL CONDITION

NONE

EMISSION POINT 00031

EMISSION UNITID - U00031
PC ISSUE -
PC EXPIR -
DNA -10/1/85
CO ISSUE - 2/1/96
CO EXPIR - 2/1/01
ACTION - 3
201 EP EXEMPT -
SYSTEM CHECK -
COMPLIANCE STATUS - C
CONFIDENTIAL INFO -
INSPECTION STATUS - 5
AGENCY CODE - N
CHANGE DATE - 12/11/95
INSP DATE - 9/23/85

UTM(E) - 289.7 ELEV - 425 STK HT - 24 VELOCITY - 71 TEMP - 100
UTM(N) - 781.8 DIAM - 36 HT ABVE - 4 FLOW RATE - 30000

PROCESS UNIT 99

Equipment ID -
SOURCE CODE -1401
PRIMARY SCC -3-03-009-34
START DATE 1/1/80
HRS/DY - 16 OP BY SEASON - 25 25 25 25
DAYS/YR - 250
SECONDARY SCC -
RULE(S) - 212.00 AND

PROCESS DESCRIP

HEAT TREAT ROOM VENTILATION

CONTROL EQUIPMENT

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

CURRENT EMISSIONS

	(LBS/HR)				(LBS/YR)
CAS - 00079-01-6	INPUT - 0	ACTUAL - 2.043			ACTUAL - 8170
NAME - TRICHLOROETHYLENE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 0		POWER - 0
	RATING - B	PERMIS - 2.043	ACTUAL - 2.043		PERMIS - 8170

SPECIAL CONDITION

AG1

EMISSION POINT RST01

EMISSION UNITID - URST01
PC ISSUE -
PC EXPIR -
DNA -
CO ISSUE - 6/1/93
CO EXPIR - 5/15/01
ACTION - 3
201 EP EXEMPT - E
SYSTEM CHECK -
COMPLIANCE STATUS - X
CONFIDENTIAL INFO -
INSPECTION STATUS -
AGENCY CODE -
CHANGE DATE - 6/3/97
INSP DATE -

UTM(E) - 289.7 ELEV - 425 STK HT - 15 VELOCITY - 1.22 TEMP - 75
UTM(N) - 781.8 DIAM - 0 HT ABVE - -5 FLOW RATE - 733

PROCESS UNIT 01

Equipment ID -
SOURCE CODE -1202
PRIMARY SCC -
HRS/DY - 8 OP BY SEASON - 25 25 25 25
DAYS/YR - 250
SECONDARY SCC -

PROCESS DESCRIP

SOAK CLEAN TANK

Source Management System
DataList Report

*CURRENT EMISSIONS			(LBS/HR)			(LBS/YR)
	CAS - 00497-19-8	INPUT - 0	ACTUAL - 7.6			ACTUAL - 15.2
	NAME - SODIUM CARBONATE	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .008		
	CAS - 01310-73-2	INPUT - 0	ACTUAL - 2.8			ACTUAL - 5.6
	NAME - SODIUM HYDROXIDE	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .003		
	CAS - 07722-88-5	INPUT - 0	ACTUAL - 18.8			ACTUAL - 37.6
	NAME - TETRASODIUM PYRO	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .019		
	CAS - 07757-82-6	INPUT - 0	ACTUAL - .006			ACTUAL - 12
	NAME - SODIUM SULFATE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .006		
	CAS - 09036-19-5	INPUT - 0	ACTUAL - .012			ACTUAL - 24
	NAME - PEG OCTYLPHENYLE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .012		

PROCESS UNIT 02	Equipment ID -			
	SOURCE CODE -1201	HRS/DY - 8	OP BY SEASON - 25 25 25 25	
		DAYS/YR - 250		
	PRIMARY SCC -	SECONDARY SCC -		
PROCESS DESCRIP				
	ACID TANK			

*CURRENT EMISSIONS			(LBS/HR)			(LBS/YR)
	CAS - 07647-01-0	INPUT - 0	ACTUAL - 5.2			ACTUAL - 10.4
	NAME - HYDROGEN CHLORID	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .005		

PROCESS UNIT 03	Equipment ID -			
	SOURCE CODE -1202	HRS/DY - 8	OP BY SEASON - 25 25 25 25	
		DAYS/YR - 250		
	PRIMARY SCC -	SECONDARY SCC -		
PROCESS DESCRIP				
	PENETRATE TANK			

*CURRENT EMISSIONS			(LBS/HR)			(LBS/YR)
	CAS - 01310-73-2	INPUT - 0	ACTUAL - .073			ACTUAL - 146.4
	NAME - SODIUM HYDROXIDE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .073		
	CAS - 07631-99-4	INPUT - 0	ACTUAL - .029			ACTUAL - 58
	NAME - SODIUM NITRATE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .029		
	CAS - 07632-00-0	INPUT - 0	ACTUAL - .008			ACTUAL - 16
	NAME - SODIUM NITRITE	UNITS - --	UNITS - 1 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .008		
	CAS - 13138-45-9	INPUT - 0	ACTUAL - .132			ACTUAL - .264
	NAME - NICKEL NITRATE	UNITS - --	UNITS - 2 10-3 LBS/HR	% CONT - 60		POWER - 0
				ACTUAL - .001		

PROCESS UNIT 04	Equipment ID -			
	SOURCE CODE -1202	HRS/DY - 8	OP BY SEASON - 25 25 25 25	
		DAYS/YR - 250		
	PRIMARY SCC -	SECONDARY SCC -		
PROCESS DESCRIP				
	WARM WATER RINSE TANK			

*CURRENT EMISSIONS			(LBS/HR)			(LBS/YR)
	CAS - 07732-18-5	INPUT - 0	ACTUAL - 0			ACTUAL - 0
	NAME - WATER MIST	UNITS - --	UNITS - 94 TRACE	% CONT - .0001		POWER - 0
				ACTUAL - 0		

PROCESS UNIT 05	Equipment ID -			
	SOURCE CODE -1308	HRS/DY - 8	OP BY SEASON - 25 25 25 25	
		DAYS/YR - 250		
	PRIMARY SCC -	SECONDARY SCC -		
PROCESS DESCRIP				
	HOT OIL TANK			

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

Source Management System
DataList Report

	CAS - 00112-34-5	INPUT - 0	ACTUAL - 11.2				ACTUAL - 22.4	
	NAME - BUTYL CARBITOL	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60		POWER - 0	
					ACTUAL - .011			
	CAS - 64742-52-5	INPUT - 0	ACTUAL - .06				ACTUAL - 120	
	NAME - PETROLEUM DISTILUNITS	- --	UNITS - 1 LBS/HR		% CONT - 60		POWER - 0	
					ACTUAL - .06			
PROCESS UNIT 99	Equipment ID -	START DATE 1/1/93		RULE(S) - 212.00 AND				
	SOURCE CODE -		HRS/DY - 0	OP BY SEASON - 0 0 0 0				
			DAYS/YR - 0					
	PRIMARY SCC -		SECONDARY SCC -					
PROCESS DESCRIP								
CONTROL EQUIPMENT	TYPE - 22 Filter		INST. DATE - 11/1/92	DISP. METHOD - 2				
	MFG -16"X16"X2" SS MESH-MANUF UNKNOWN		USEFUL LIFE - 20					
CURRENT EMISSIONS			(LBS/HR)				(LBS/YR)	
	CAS -	INPUT - 0	ACTUAL - 0				ACTUAL - 58	
	NAME - N/A	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60		POWER - 0	
		RATING -	PERMIS - .029		ACTUAL - .029		PERMIS - 58	
	CAS - 00112-34-5	INPUT - 0	ACTUAL - 11.2				ACTUAL - 22.4	
	NAME - BUTYL CARBITOL	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - 11.2		ACTUAL - .011		PERMIS - 22.4	
	CAS - 00497-19-8	INPUT - 0	ACTUAL - 7.6				ACTUAL - 15.2	
	NAME - SODIUM CARBONATEUNITS	- --	UNITS - 2 10-3 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - 7.6		ACTUAL - .008		PERMIS - 15.2	
	CAS - 01310-73-2	INPUT - 0	ACTUAL - 75.8				ACTUAL - 152	
	NAME - SODIUM HYDROXIDEUNITS	- --	UNITS - 2 10-3 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - 75.8		ACTUAL - .076		PERMIS - 152	
	CAS - 07632-00-0	INPUT - 0	ACTUAL - .008				ACTUAL - 16	
	NAME - SODIUM NITRITE	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60		POWER - 0	
		RATING - A	PERMIS - .008		ACTUAL - .008		PERMIS - 0	
	CAS - 07647-01-0	INPUT - 0	ACTUAL - 5.2				ACTUAL - 10.4	
	NAME - HYDROGEN CHLORIDUNITS	- --	UNITS - 2 10-3 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - 5.2		ACTUAL - .005		PERMIS - 10.4	
	CAS - 07722-88-5	INPUT - 0	ACTUAL - 18.8				ACTUAL - 37.6	
	NAME - TETRASODIUM PYROUNITS	- --	UNITS - 2 10-3 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - 18.8		ACTUAL - .019		PERMIS - 37.6	
	CAS - 09036-19-5	INPUT - 0	ACTUAL - .012				ACTUAL - 24	
	NAME - PEG OCTYLPHENYLEUNITS	- --	UNITS - 1 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - .012		ACTUAL - .012		PERMIS - 24	
	CAS - 13138-45-9	INPUT - 0	ACTUAL - .132				ACTUAL - .264	
	NAME - NICKEL NITRATE	UNITS - --	UNITS - 2 10-3 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - .132		ACTUAL - .001		PERMIS - .264	
	CAS - 13138-45-9	INPUT - 0	ACTUAL - .006				ACTUAL - 12	
	NAME - NICKEL NITRATE	UNITS - --	UNITS - 1 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - .006		ACTUAL - .006		PERMIS - 12	
	CAS - 64742-52-5	INPUT - 0	ACTUAL - .06				ACTUAL - 0	
	NAME - PETROLEUM DISTILUNITS	- --	UNITS - 1 LBS/HR		% CONT - 60		POWER - 0	
		RATING - B	PERMIS - .06		ACTUAL - .06		PERMIS - 120	
SPECIAL CONDITION	AGI							
EMISSION POINT RST02	EMISSION UNITID - URST02		201 EP EXEMPT -			AGENCY CODE -		
	PC ISSUE -	CO ISSUE - 6/1/93	SYSTEM CHECK -			CHANGE DATE - 4/20/96		
	PC EXPIR -	CO EXPIR - 5/15/01	COMPLIANCE STATUS - C					
		ACTION - 3	CONFIDENTIAL INFO -					
	DNA -		INSPECTION STATUS -			INSP DATE -		
	UTM(E) - 289.7	ELEV - 425	STK HT - 24	VELOCITY - 27		TEMP - 75		
	UTM(N) - 781.8	DIAM - 30	HT ABVE - 4	FLOW RATE - 8050				
PROCESS UNIT 01	Equipment ID -							
	SOURCE CODE -1308		HRS/DY - 10	OP BY SEASON - 25 25 25 25				
			DAYS/YR - 250					
	PRIMARY SCC -3-09-011-03		SECONDARY SCC -					
PROCESS DESCRIP								

ALUMINUM ANODIZING TANKS (2)

CURRENT EMISSIONS

	CAS	NAME	INPUT	UNITS	(LBS/HR) ACTUAL	(LBS/HR) UNITS	% CONT	(LBS/HR) ACTUAL	(LBS/YR) ACTUAL	(LBS/YR) POWER
	07664-93-9	SULFURIC ACID	0	--	.25	1 LBS/HR	0	.25	625	0

PROCESS UNIT 02 — Equipment ID - — SOURCE CODE -1202 — HRS/DY - 10 — OP BY SEASON - 25 25 25 25 — DAYS/YR - 250 — PRIMARY SCC -3-09-011-99 — SECONDARY SCC -

PROCESS DESCRIP

COLD WATER RINSE TANKS

CURRENT EMISSIONS

	CAS	NAME	INPUT	UNITS	(LBS/HR) ACTUAL	(LBS/HR) UNITS	% CONT	(LBS/HR) ACTUAL	(LBS/YR) ACTUAL	(LBS/YR) POWER
	07732-18-5	WATER MIST	0	--	0	94 TRACE	.0001	0	0	0

PROCESS UNIT 03 — Equipment ID - — SOURCE CODE -1201 — HRS/DY - 10 — OP BY SEASON - 25 25 25 25 — DAYS/YR - 250 — PRIMARY SCC -3-09-011-02 — SECONDARY SCC -

PROCESS DESCRIP

ACID TANK

CURRENT EMISSIONS

	CAS	NAME	INPUT	UNITS	(LBS/HR) ACTUAL	(LBS/HR) UNITS	% CONT	(LBS/HR) ACTUAL	(LBS/YR) ACTUAL	(LBS/YR) POWER
	07697-37-2	NITRIC ACID MIST	0	--	.33	1 LBS/HR	0	.33	825	0

PROCESS UNIT 04 — Equipment ID - — SOURCE CODE -1204 — HRS/DY - 10 — OP BY SEASON - 25 25 25 25 — DAYS/YR - 250 — PRIMARY SCC -3-09-015-01 — SECONDARY SCC -

PROCESS DESCRIP

ETCH TANK

CURRENT EMISSIONS

	CAS	NAME	INPUT	UNITS	(LBS/HR) ACTUAL	(LBS/HR) UNITS	% CONT	(LBS/HR) ACTUAL	(LBS/YR) ACTUAL	(LBS/YR) POWER
	01310-73-2	SODIUM HYDROXIDE	0	--	.2	1 LBS/HR	0	.2	500	0

PROCESS UNIT 05 — Equipment ID - — SOURCE CODE -1202 — HRS/DY - 10 — OP BY SEASON - 25 25 25 25 — DAYS/YR - 250 — PRIMARY SCC -3-09-011-99 — SECONDARY SCC -

PROCESS DESCRIP

SOAK CLEAN TANK

CURRENT EMISSIONS

	CAS	NAME	INPUT	UNITS	(LBS/HR) ACTUAL	(LBS/HR) UNITS	% CONT	(LBS/HR) ACTUAL	(LBS/YR) ACTUAL	(LBS/YR) POWER
	00497-19-8	SODIUM CARBONATE	0	--	.13	1 LBS/HR	0	.13	325	0
	01310-73-2	SODIUM HYDROXIDE	0	--	.5	1 LBS/HR	0	.5	1250	0

PROCESS UNIT 99 — Equipment ID - — START DATE 11/1/92 — RULE(S) - 212.00 AND — SOURCE CODE - — HRS/DY - 0 — OP BY SEASON - 0 0 0 0 — DAYS/YR - 0 — PRIMARY SCC -3-09-011-99 — SECONDARY SCC -

PROCESS DESCRIP

CONTROL EQUIPMENT

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

CURRENT EMISSIONS

	CAS	NAME	INPUT	UNITS	(LBS/HR) ACTUAL	(LBS/HR) UNITS	% CONT	(LBS/HR) ACTUAL	(LBS/YR) ACTUAL	(LBS/YR) POWER
	00497-19-8	SODIUM CARBONATE	0	--	.13	1 LBS/HR	0	.13	325	0
		RATING - B			PERMIS - .13				PERMIS - 325	
	01310-73-2	SODIUM HYDROXIDE	0	--	.7	1 LBS/HR	0	.7	1750	0
		RATING - B			PERMIS - .7				PERMIS - 1750	

Source Management System
DataList Report

CAS - 07664-93-9	INPUT - 0	ACTUAL - .25			ACTUAL - 625		
NAME - SULFURIC ACID	UNITS - --	UNITS - 1 LBS/HR	% CONT - 0		POWER - 0		
	RATING - B	PERMIS - .25	ACTUAL - .25		PERMIS - 625		
CAS - 07697-37-2	INPUT - 0	ACTUAL - .33			ACTUAL - 825		
NAME - NITRIC ACID MIST	UNITS - --	UNITS - 1 LBS/HR	% CONT - 0		POWER - 0		
	RATING - B	PERMIS - .33	ACTUAL - .33		PERMIS - 825		

SPECIAL CONDITION
AGI

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

DIRECTIONS: Complete this form, make a copy for your records, triple fold so the reply address and bar codes on the reverse-side are visible, carefully tape shut, and mail. Postage is required. Return Receipt is suggested. If you have any questions or need a new form, call the Bureau of Technical Support at (518) 457-7450 re: "Capping Letter."

CHOICE OF OPTION TO CONFORM TO PERMITTING REQUIREMENTS OF 6NYCRR PART 201 (SELECT ONLY ONE OPTION THAT APPLIES)

Dear NYS DEC Division of Air Resources:

This is in response to the New York State Department of Environmental Conservation's letter outlining the options that would bring my facility into compliance with the State permitting requirements as defined in 6 NYCRR Part 201.

☐ **OPTION #1** - **(RETURN BY JANUARY 31, 1999)** - The letter I received from NYS DEC regarding the amount of emissions this facility may legally emit into the atmosphere is not applicable for the following reasons: _____

_____

_____

_____ (attach additional sheets if necessary and mail in an envelope to the address on reverse-side)

☒ **OPTION #2** - This facility emits less than half of the major source threshold for each criteria pollutant, less than 5 tons per year of any single Hazardous Air Pollutant (HAP) and less than 12.5 tons per year of all combined HAPs. This facility acknowledges that it will comply with all applicable State and Federal air pollution control and recordkeeping requirements. As explained in the Source Owner letter, by responding with this form **within 180 days** from the date the Source Owner letter was received, my facility will be considered to be a Registered facility per Part 201. The facility will continue to pay annual State fees in accordance with 6 NYCRR Part 482-2. **The number of regulated air pollutant emission points (stacks) at the facility is:** 2 **(mandatory for fee billing purposes).**

☐ **OPTION #3** - This facility intends to submit a State Facility Permit application to the appropriate Regional Permit Administrator **within 180 days** of receipt of the Source Owner letter from DEC. It is further understood and acknowledged that this facility will maintain records, comply with all applicable State and Federal air pollution control requirements and pay annual State fees in accordance with 6 NYCRR Part 482-2.

☐ **Check this box if you are interested in attending a State Facility Permit workshop (RETURN BY JANUARY 31, 1999)**

☐ **OPTION #4** - Please be advised that this facility can not limit its air pollutant emissions below the major source thresholds. This facility acknowledges that without obtaining federally enforceable emission limits, it will be subject to the applicable Title V requirements as set forth in the Federal Clean Air Act Amendments of 1990 and 6 NYCRR Part 201. As explained in the Source Owner letter, Part 201 requires this facility to submit a Title V Operating Permit application to the appropriate Regional Permit Administrator **within 180 days** of receipt of the above mentioned, or equivalent, letter from NYS DEC. **This completed reply form serves as our intent to do so and will be returned to NYS DEC by January 31, 1999.** In addition, this facility is indicating that it will be required to complete and submit annual emission statements sent by the NYS DEC and pay Operating Permit Program fees. Pursuant to 6 NYCRR Part 482-2 the facility's air permit fee will be based on actual emissions of regulated air contaminants from the facility in the prior calendar year, or in the absence of such demonstrations, on the facility's permitted emissions.

☐ **Check this box if you are interested in attending a Title V Facility Permit workshop (RETURN BY JANUARY 31, 1999)**

The undersigned is familiar with this facility's operations and, in particular, the annual emissions of regulated air contaminants resulting from the operation of this facility and is authorized to act on behalf of the facility with regard to this matter. All future correspondence should be addressed to the undersigned.

8261400971

SIGNATURE: Kimberly Miller Wilborn DATE: 1-28-99

NAME + TITLE (print): Kimberly Miller Wilborn

Operations

08029 F A 2614000761
ROCHESTER STEEL TREATING WKS
Attn: Environmental Manager
962 E MAIN ST
ROCHESTER NY 14605

capping-reply-1298

PLEASE FOLD THIS FLAP INSIDE

Fold along dotted line

From: RSTW
962 East Main St
Roch NY 14605

DIVISION OF AIR RESOURCES-BTS
NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF RD
ALBANY NY 12233-3253

Fold along dotted line

Tape Here (on outside)

DO NOT STAPLE

Tape Here (on outside)

New York State Department of Environmental Conservation
Air Facility Registration

DEC ID: 8261400471 Application ID: 8-2614-00471/02000 Received Date: 02/01/1999

Facility: ROCHESTER STEEL TREATING WORKS May 10, 1999 3:58 pm

Owner / Firm

Taxpayer ID

Name	ROCHESTER STEEL TREATING WORKS						
Street	962 E MAIN ST						
City	ROCHESTER	State or Province	NY	Country	USA	Zip/Mail Code	14605 - 2742

Owner / Firm Contact

Name	Phone No.

Facility

Name	ROCHESTER STEEL TREATING WORKS
Address	962 E MAIN ST
City	ROCHESTER
Zip	14605

Facility Information

Total Number of Emission Points: 2

☑ Cap by Rule

Description

Specialized treating and hardening of misc. metal parts

Standard Industrial Classification Codes

3398					

HAP CAS Numbers

000079-01-6	007647-01-0				

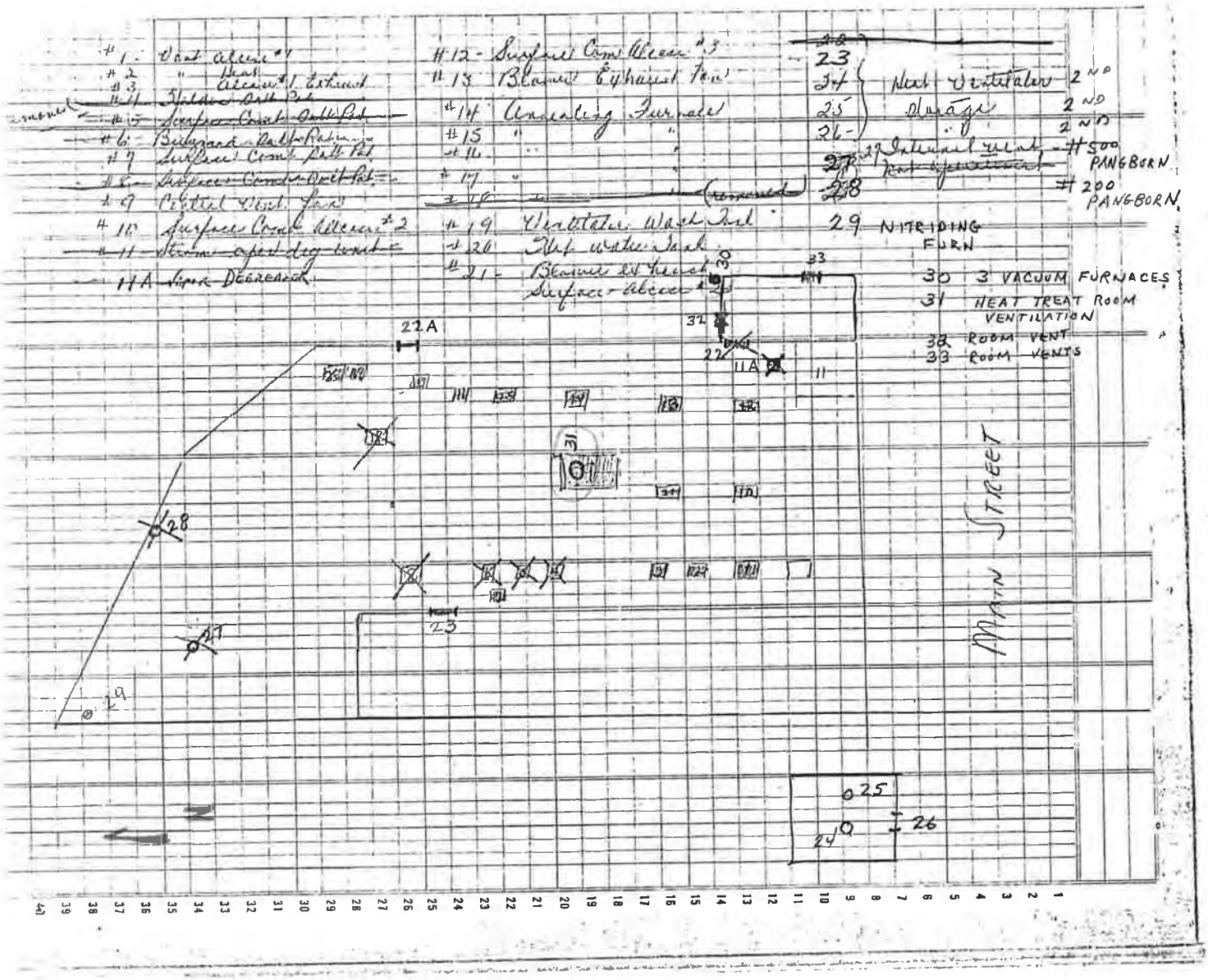
Applicable Federal and New York State Requirements (Part Nos)

40CFR 63	6 NYCRR200	6 NYCRR201	6 NYCRR212		

Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.

Responsible Official	Title
Signature	Date _____ / _____ / _____


#1 - Dust Collector #1
#2 " " " #1 Exhaust
#3 " Heat Treat Room #1 Exhaust
#4 - Tabular Drill Pit
#5 - Sompco Crank Drill Pit
#6 - Bridgeport Radial Drill Pit
#7 Surface Crank Drill Pit
#8 - Sutton Crank Drill Pit
#9 Vertical Mast Jib
#10 Surface Crank Grinder #2
#11 - Storm - open dry vent
11A - Sipp Degreaser
#12 - Surface Crank Grinder #3
#13 Blower Exhaust Fan
#14 Annealing Furnaces
#15 " "
#16 " "
#17 " "
#18 " (removed)
#19 Ventilator Wash Tank
#20 Hot water Tank
#21 - Blower on Heat Treat Surface Grinder
23
24
25
26
Heat Ventilator 2 NO
Dunage 2 NO
2 NO
Internal Yard - #500 PANGBORN
#200 PANGBORN
27
28
29 NITRIDING FURN
30 3 VACUUM FURNACES
31 HEAT TREAT ROOM VENTILATION
32 ROOM VENT
33 ROOM VENTS
22A
22
11A
STREET
MAIN
025
026
029

-1099ed
-In AFS

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

8 2614 00471

January 13, 2016

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual and Annual Report
40 CFR Part 63 Subpart T - Halogenated Solvent Cleaning

Dear Mr. Marriott:

This Semi-Annual and Annual Report is for batch vapor-cleaning machine located at Rochester Steel Treating Works, Inc., 962 East Main Street in Rochester, New York. The batch vapor-cleaning machine is subject to the 40 CFR Part 63 Subpart T regulations and it has a solvent air interface that is greater than 1.21 square meters. Compliance with Subpart T is evaluated by monitoring the room draft, superheated vapor, the tank freeboard ratio, and the trichloroethylene usage on a regular basis.

There were no exceedances of the applicable batch vapor-cleaning machine standards during the July 1, 2015 through December 31, 2015 time period. The annual summary of estimated solvent consumption (i.e., Table called NESHAP Solvent Emissions Calcs) is attached. In addition, I certify that, "*All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in §63.463(d)(10).*"

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Brian Miller
Chief Operating Officer

Attachment: Annual Summary of Estimated of Solvent Consumption – Table NESHAP Solvent Emissions Calcs

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

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JAN 19 2016
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NYSDEC REGION 8

ROCHESTER STEEL TREATING WORKS INC.
NESHAP SOLVENT EMISSIONS CALCs

Year	Month	Solvent Added (gallons)	Waste Removed (gallons)	Average Sp. Gravity of Waste Removed	Percentage of TCE in Waste Solvent	Solvent Removed (gallons)	Solvents Added (lbs)	Solvents Added for Month (kg)	Waste TCE removed (lbs)	Waste TCE Removed (kg)	Monthly Emissions (kg)	12 Mos. Rolling Total (kg)	Is the 12-month Rolling Total >14,100 kg?
2014	Jan	142.81	198.28	1.18	52.11	103	1,746	792	1,263	573	219	2,363	N
	Feb	137.19	204.67	1.18	52.11	107	1,677	761	1,304	591	169	2,335	N
	Mar	139.06	217.04	1.18	52.11	113	1,700	771	1,383	627	144	2,298	N
	Apr	142.81	215.12	1.18	52.11	112	1,746	792	1,370	621	170	2,320	N
	May	149.08	198.49	1.18	52.11	103	1,822	826	1,264	573	253	2,363	N
	Jun	142.83	244.75	1.18	52.11	128	1,746	792	1,559	707	85	2,274	N
	Jul	142.50	204.67	1.18	52.11	107	1,742	790	1,304	591	199	2,224	N
	Aug	146.88	234.44	1.18	52.11	122	1,795	814	1,493	677	137	2,160	N
	Sep	143.44	243.44	1.18	52.11	127	1,753	795	1,551	703	92	2,048	N
	Oct	141.25	224.81	1.18	52.11	117	1,727	783	1,432	649	134	1,977	N
	Nov	158.38	218.14	1.18	52.11	114	1,948	884	1,390	630	253	2,010	N
	Dec	143.75	204.26	1.18	52.11	106	1,757	797	1,301	590	207	2,082	N
2015	Jan	141.88	219.66	1.18	52.11	114	1,734	787	1,399	635	152	1,995	N
	Feb	142.81	218.63	1.18	52.11	114	1,746	792	1,393	632	160	1,988	N
	Mar	148.13	231.83	1.18	52.11	121	1,811	821	1,477	670	151	1,993	N
	Apr	139.06	248.46	1.18	52.11	129	1,700	771	1,583	718	53	1,878	N
	May	158.28	218.15	1.18	52.11	113	1,910	866	1,377	624	242	1,865	N
	Jun	136.88	234.85	1.18	52.11	122	1,673	759	1,496	678	80	1,861	N
	Jul	140.31	208.59	1.18	52.11	109	1,715	778	1,329	603	175	1,837	N
	Aug	144.38	219.88	1.18	52.11	114	1,765	800	1,399	635	165	1,886	N
	Sep	138.44	207.90	1.18	52.11	108	1,692	768	1,324	601	167	1,941	N
	Oct	144.25	226.46	1.18	52.11	118	1,763	800	1,443	654	145	1,953	N
	Nov	148.44	220.69	1.18	52.11	115	1,815	823	1,406	638	185	1,885	N
	Dec	138.44	210.44	1.18	52.11	110	1,692	768	1,341	608	160	1,837	N

Specific Gravity of TCE	1.4649
Specific of Quench Oil	0.87
Weight of Water	8.345
Pounds to Kg conversion factor	2.205

Notes: 1 - Unit volume of TCE degreaser tank is 9.415 gallons. Tank dimensions on 4/19/12 is 34.25" wide * 63.5" long.
2 - The specific gravity of the spent TCE is based on the mean S.P. of the mixture of waste removed from the site in 2011.

logged in AFS

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

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JUL 29 2015
AIR RESOURCES
NYSDEC REGION 8

8 2614 00471

July 20, 2015

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual Report: 40 CFR Part 63 Subpart T - Halogenated Solvent Cleaning

Dear Mr. Marriott:

This Semi-Annual Report is for batch vapor-cleaning machine located at Rochester Steel Treating Works, Inc., 962 East Main Street in Rochester, New York. The batch vapor-cleaning machine is subject to the 40 CFR Part 63 Subpart T regulations and it has a solvent air interface that is greater than 1.21 square meters. Compliance with Subpart T is evaluated by monitoring the room draft, superheated vapor, the tank freeboard ratio, and the trichloroethylene usage on a regular basis.

There were no exceedances of the applicable batch vapor-cleaning machine standards during the January 1, 2015 through June 30, 2015 time period.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Brian Miller
Chief Operating Officer

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

10996d
Dn AFS

Rochester Steel Treating Works, Inc.

Over 60 years of quality service

Atmosphere Heat Treating and Gas Carburizing

Carbo Nitriding

Ammonia Nitriding

Vacuum Heat Treating

Black Oxide Finishing

Stress Relieving, Normalizing and Annealing

Hardening Tools and Dies

Induction Hardening

Member A.S.M. A.W.S. A.S.M.E. N.T.M.A. M.T.I.

January 12, 2015

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re:Semi-Annual and Annual Report
40 CFR Part 63 Subpart T - Halogenated Solvent Cleaning

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Sincerely,

Brian Miller
Chief Operating Officer

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50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

ROCHESTER STEEL TREATING WORKS INC.
NESHAP SOLVENT EMISSIONS CALCs

Year	Month	Solvent Added (gallons)	Waste Removed (gallons)	Average Sp. Gravity of Waste Removed	Percentage of TCE in Waste Solvent	Solvent Removed (gallons)	Solvents Added (lbs)	Solvents Added for Month (kg)	Waste TCE removed (lbs)	Waste TCE Removed (kg)	Monthly Emissions (kg)
2013	Jan	140.00	198.59	1.18	52.11	102	1,711	776	1,248	565	211
	Feb	140.31	200.06	1.18	52.11	105	1,715	778	1,280	581	197
	Mar	136.75	199.72	1.18	52.11	104	1,672	758	1,272	577	181
	Apr	133.00	204.19	1.18	52.11	106	1,626	737	1,301	590	147
	May	140.19	198.21	1.18	52.11	102	1,714	777	1,250	567	210
	Jun	137.81	204.26	1.18	52.11	106	1,685	764	1,301	590	174
	Jul	149.69	201.30	1.18	52.11	105	1,830	830	1,282	582	248
	Aug	139.06	197.24	1.18	52.11	103	1,700	771	1,256	570	201
	Sep	138.56	191.26	1.18	52.11	100	1,869	757	1,218	553	205
	Oct	137.83	193.95	1.18	52.11	101	1,685	764	1,236	560	204
	Nov	145.03	201.79	1.18	52.11	105	1,773	804	1,285	583	221
	Dec	134.05	203.64	1.18	52.11	106	1,639	743	1,297	588	155
2014	Jan	142.81	198.28	1.18	52.11	103	1,746	792	1,263	573	219
	Feb	137.19	204.67	1.18	52.11	107	1,677	761	1,304	591	169
	Mar	139.06	217.04	1.18	52.11	113	1,700	771	1,383	627	144
	Apr	142.81	215.12	1.18	52.11	112	1,746	792	1,370	621	170
	May	149.08	198.49	1.18	52.11	103	1,822	826	1,264	573	253
	Jun	142.83	244.75	1.18	52.11	128	1,746	792	1,559	707	85
	Jul	142.50	204.67	1.18	52.11	107	1,742	790	1,304	591	199
	Aug	146.88	234.44	1.18	52.11	122	1,795	814	1,493	677	137
	Sep	143.44	243.44	1.18	52.11	127	1,753	795	1,551	703	92
	Oct	141.25	224.81	1.18	52.11	117	1,727	783	1,432	649	134
	Nov	159.38	218.14	1.18	52.11	114	1,948	884	1,390	630	253
	Dec	143.75	204.26	1.18	52.11	106	1,757	797	1,301	590	207

10594L

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

July 21, 2014

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual Report: 40 CFR Part 63 Subpart T - Halogenated Solvent Cleaning

Dear Mr. Marriott:

This Semi-Annual Report is for batch vapor-cleaning machine located at Rochester Steel Treating Works, Inc., 962 East Main Street in Rochester, New York. The batch vapor-cleaning machine is subject to the 40 CFR Part 63 Subpart T regulations and it has a solvent air interface that is greater than 1.21 square meters. Compliance with Subpart T is evaluated by monitoring the room draft, superheated vapor, the tank freeboard ratio, and the trichloroethylene usage on a regular basis.

There were no exceedances of the applicable batch vapor-cleaning machine standards during the January 1, 2014 through June 30, 2014 time period.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Brian Miller
Chief Operating Officer

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

Rochester Steel Treating Works, Inc.

Over 60 years of quality service

RECEIVED

JAN 14 2014

AIR RESOURCES
NYSDEC REGION 8

January 7, 2014

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

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40 CFR Part 63 Subpart T - Halogenated Solvent Cleaning

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Sincerely,

Brian Miller
Chief Operating Officer

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Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

Atmosphere Heat Treating and Gas Carburizing

Carbo Nitriding

Ammonia Nitriding

Vacuum Heat Treating

Black Oxide Finishing

Stress Relieving, Normalizing and Annealing

Hardening Tools and Dies

Induction Hardening

Member: A.W.S. A.S.M.E. N.T.M.A. M.T.I.

ROCHESTER STEEL TREATING WORKS INC.
NESHAP SOLVENT EMISSIONS CALCs

Year	Month	Solvent Added (gallons)	Waste Removed (gallons)	Average Sp. Gravity of Waste Removed	Percentage of TCE in Waste Solvent	Solvent Removed (gallons)	Solvents Added (lbs)	Solvents Added for Month (kg)	Waste TCE removed (lbs)	Waste TCE Removed (kg)	Monthly Emissions (kg)
2012	Jan	141.25	198.28	1.19	53.79	107	1,727	783	1,304	591	192
	Feb	138.75	142.16	1.19	53.79	76	1,696	769	935	424	345
	Mar	138.13	181.36	1.19	53.79	98	1,689	766	1,193	541	225
	Apr	137.5	192.91	1.19	53.79	104	1,681	762	1,269	575	187
	May	138.13	181.36	1.19	53.79	98	1,689	766	1,193	541	225
	Jun	141.88	199.51	1.19	53.79	107	1,734	787	1,312	595	192
	Jul	147.81	210.99	1.19	53.79	113	1,807	819	1,387	629	190
	Aug	140.94	216.15	1.19	53.79	116	1,723	781	1,421	645	137
	Sep	141.25	188.38	1.19	53.79	101	1,727	783	1,239	562	221
	Oct	141.88	200.34	1.19	53.79	108	1,734	787	1,317	597	189
	Nov	140.31	184.87	1.19	53.79	99	1,715	778	1,216	551	227
	Dec	138.44	187.76	1.19	53.79	101	1,692	768	1,235	560	208
2013	Jan	140.00	195.59	1.18	52.11	102	1,711	776	1,246	565	211
	Feb	140.31	200.96	1.18	52.11	105	1,716	778	1,280	581	197
	Mar	136.75	199.72	1.18	52.11	104	1,672	758	1,272	577	181
	Apr	133.00	204.19	1.18	52.11	106	1,626	737	1,301	590	147
	May	140.19	198.21	1.18	52.11	102	1,714	777	1,250	567	210
	Jun	137.81	204.28	1.18	52.11	106	1,685	764	1,301	590	174
	Jul	149.69	201.30	1.18	52.11	105	1,830	830	1,282	582	248
	Aug	139.06	197.24	1.18	52.11	103	1,700	771	1,256	570	201
	Sep	136.56	191.26	1.18	52.11	100	1,669	757	1,218	553	205
	Oct	137.83	193.95	1.18	52.11	101	1,685	764	1,236	560	204
	Nov	145.03	201.79	1.18	52.11	105	1,773	804	1,285	583	221
	Dec	134.05	203.64	1.18	52.11	106	1,639	743	1,297	588	155

- 109960
in AFS

Rochester Steel Treating Works, Inc.

Over 60 years of quality service

July 12, 2013

RECEIVED

JUL 18 2013

AIR RESOURCES
NYSDEC REGION 8

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Atmosphere Heat Treating and Gas Carburizing

Carbo Nitriding

Ammonia Nitriding

Vacuum Heat Treating

Black Oxide Finishing

Stress Relieving, Normalizing and Annealing

Hardening Tools and Dies

Induction Hardening

Member A.S.M.
A.W.S. A.S.M.E.
N.T.M.A. M.T.I.

Re: Semi-Annual Report: 40 CFR Part 63 Subpart T - Halogenated Solvent Cleaning

Dear Mr. Marriott:

This Semi-Annual Report is for batch vapor-cleaning machine located at Rochester Steel Treating Works, Inc., 962 East Main Street in Rochester, New York. The batch vapor-cleaning machine is subject to the 40 CFR Part 63 Subpart T regulations and it has a solvent air interface that is greater than 1.21 square meters. Compliance with Subpart T is evaluated by monitoring the room draft, superheated vapor, the tank freeboard ratio, and the trichloroethylene usage on a regular basis.

There were no exceedances of the applicable batch vapor-cleaning machine standards during the January 1, 2013 through June 30, 2013 time period.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Brian Miller

Brian Miller
Chief Operating Officer

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

- logged
- In AFS

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

January 18, 2013

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual and Annual Report
40 CFR Part 63 Subpart T - Halogenated Solvent Cleaning

Dear Mr. Marriott:

This Semi-Annual and Annual Report is for batch vapor-cleaning machine located at Rochester Steel Treating Works, Inc., 962 East Main Street in Rochester, New York. The batch vapor-cleaning machine is subject to the 40 CFR Part 63 Subpart T regulations and it has a solvent air interface that is greater than 1.21 square meters. Compliance with Subpart T is evaluated by monitoring the room draft, superheated vapor, the tank freeboard ratio, and the trichloroethylene usage on a regular basis.

There were no exceedances of the applicable batch vapor-cleaning machine standards during the July 1, 2012 through December 31, 2012 time period. The annual summary of estimated solvent consumption (i.e., Table called NESHAP Solvent Emissions Calc's) is attached. In addition, I certify that, "*All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in §63.463(d)(10).*"

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Brian Miller

Brian Miller
Chief Operating Officer

Attachment: Annual Summary of Estimated of Solvent Consumption – Table NESHAP Solvent Emissions Calc's

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

ROCHESTER STEEL TREATING WORKS INC.
NESHAP SOLVENT EMISSIONS CALC'S

Year	Month	Solvent Added (gallons)	Waste Removed (gallons)	Average Sp. Gravity of Waste Removed	Percentage of TCE in Waste Solvent	Solvent Removed (gallons)	Solvents Added (lbs)	Solvents Added for Month (kg)	Waste TCE removed (lbs)	Waste TCE Removed (kg)	Monthly Emissions (kg)
2010	May	76	85	1.16	48.75	41	954	432	507	230	203
	June	133	185	1.16	48.75	90	1,626	737	1,102	500	237
	July	162.5	220	1.16	48.75	107	1,988	901	1,311	595	308
	Aug	124.5	174	1.16	48.75	85	1,522	690	1,037	470	220
	Sept	147.5	180	1.16	48.75	88	1,803	818	1,073	486	331
	Oct	120	164	1.16	48.75	80	1,467	665	977	443	222
	Nov	135	192	1.16	48.75	94	1,650	748	1,144	519	230
	Dec	115	165	1.16	48.75	80	1,406	638	983	446	192
2011	Jan	157.5	220	1.16	48.75	107	1,925	873	1,311	595	279
	Feb	130	176.39	1.16	48.75	86	1,589	721	1,051	477	244
	Mar	102.5	172.29	1.16	48.75	84	1,253	568	1,027	466	103
	Apr	135.28	186.54	1.16	48.75	91	1,654	750	1,112	504	246
	May	149.69	198.21	1.16	48.75	97	1,830	830	1,181	536	294
	Jun	148.44	219.99	1.16	48.75	107	1,830	830	1,311	595	235
	Jul	141.56	176.59	1.16	48.75	86	1,731	785	1,046	475	310
	Aug	124.69	205.84	1.16	48.75	100	1,524	691	1,227	556	135
	Sep	153.13	187.55	1.16	48.75	91	1,872	849	1,118	507	342
	Oct	147.50	221.31	1.16	48.75	108	1,536	696	1,319	598	98
	Nov	125.63	200.34	1.16	48.75	98	2,124	963	1,194	541	422
	Dec	173.75	216.56	1.16	48.75	106	2,124	963	1,291	585	378
2012	Jan	141.25	198.28	1.19	53.79	107	1,727	783	1,304	591	192
	Feb	138.75	142.18	1.19	53.79	76	1,686	769	935	424	345
	Mar	138.13	181.36	1.19	53.79	98	1,689	766	1,193	541	225
	Apr	137.5	192.91	1.19	53.79	104	1,681	762	1,269	575	187
	May	138.13	181.36	1.19	53.79	98	1,689	766	1,193	541	225
	Jun	141.88	199.51	1.19	53.79	107	1,734	787	1,312	595	192
	Jul	147.81	210.99	1.19	53.79	113	1,807	819	1,387	629	190
	Aug	140.94	216.15	1.19	53.79	116	1,723	781	1,421	645	137
	Sep	141.25	188.36	1.19	53.79	101	1,727	783	1,239	562	221
	Oct	141.88	200.34	1.19	53.79	108	1,734	787	1,317	597	189
	Nov	140.31	184.87	1.19	53.79	99	1,715	778	1,216	551	227
	Dec	138.44	187.76	1.19	53.79	101	1,692	768	1,235	560	208

1 of 941

in AFS

Rochester Steel Treating Works, Inc.

Over 60 years of quality service

STEEL TREATING WORKS INCORPORATED

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JUL 17 2012

AIR RESOURCES
NYSDEC REGION 8

8 26140047 1

July 13, 2012

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Atmosphere Heat Treating and Gas Carburizing

Carbo Nitriding

Ammonia Nitriding

Vacuum Heat Treating

Black Oxide Finishing

Stress Relieving, Normalizing and Annealing

Hardening Tools and Dies

Induction Hardening

Member A.S.M. A.W.S. A.S.M.E. N.T.M.A. M.T.I.

Re: Semi-Annual Report: 40 CFR Part 63 Subpart T - Halogenated Solvent Cleaning

Dear Mr. Marriott:

This Semi-Annual Report is for batch vapor-cleaning machine located at Rochester Steel Treating Works, Inc., 962 East Main Street in Rochester, New York. The batch vapor-cleaning machine is subject to the 40 CFR Part 63 Subpart T regulations and it has a solvent air interface that is greater than 1.21 square meters. Compliance with Subpart T is evaluated by monitoring the room draft, superheated vapor, the tank freeboard ratio, and the trichloroethylene usage on a regular basis.

There were no exceedances of the applicable batch vapor-cleaning machine standards during the January 1, 2012 through June 30, 2012 time period.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Brian Miller
Chief Operating Officer

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

962 East Main Street • Rochester, New York 14605 • (585) 546-3348 • Fax (585) 546-1848

Rochester Steel Treating Works Inc.
962 East Main Street
Rochester, New York 14605
(585) 546-3348

January 26, 2012

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Annual Report: Halogenated Solvent Cleaner NESHAP

Dear Mr. Marriott:

Enclosed please find our Annual Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York. . As per requirements,

> *"All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the required operator test."*

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART ONE – General Information

Person Preparing Report Wilborn, Kimberly M. **Date** 1-26-12
Last Name, First Name, Middle Initial

Company Name Rochester Steel Treating Works, Inc.

Mailing Address 962 East Main Street Rochester, NY 14605
Number, Street, City/Town, State, Zip Code

Intended Equipment Location Address Same as above
Number, Street, City/Town, State, Zip Code

Cleaning Machine Summary

Identification Number	Description
00031	Batch Vapor

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART TWO – Information Required per Machine
(Make copies for additional machines as necessary)

Cleaner Identification Number 00031

Check appropriate box and answer the requested information.

☐ **Exceedance**

Exceedance that occurred: _____

Date of occurrence: _____

Actions taken: _____

_____

_____

_____

_____

_____

_____

_____

Results of actions: _____

_____

_____

_____

_____

_____

_____

No exceedance occurred.

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

January 26, 2012

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual Exceedance Report: Halogenated Solvent Cleaner NESHAP

Dear Mr. Marriott:

Enclosed is a Semi-Annual Exceedance Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York.

This Report covers the period July 1, 2011 through December 31, 2011. No exceedances occurred in this time period.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

962 East Main Street Rochester, New York 14605 (585) 546-3348

HALOGENATED SOLVENT CLEANER NESHAP:

Annual Report

PART ONE- General Information

Person Preparing Report Wilborn, Kimberly M. Date: 1-26-12
Last Name, First Name, Middle Initial

Company Name Rochester Steel Treating Works Inc.

Mailing Address 962 East Main Street Rochester, New York 14605
Number, Street, City/Town, State, Zip Code

Intended Equipment Location Address Same
Number, Street, City/Town, State, Zip Code

Cleaning Machine Summary

Identification Number	Description
00031	Batch Vapor

Annual Report

PART TWO- Information Required per Machine
(Make copies for additional machines as necessary)

Cleaner Identification Number:___00031_____

Check compliance option chosen and fill out appropriate report requirements.

☒ Control Options

All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the required operator test.

Signature _____ Date 1-26-12

Previous Year's Solvent Consumption_____kg/yr (or lb/yr).

☐ Alternative Standard

Cleaning machine size:

Solvent-air interface area_____m^2(or ft^2)
or
Solvent cleaning capacity_____ m^3 (or ft^3)

Average monthly solvent consumption_____kg (or lb)

Three month rolling Average emission estimates: (calculations attached)

1. _____ kg (or lb) From _____ (Date) to _____ (Date)
2. _____ kg (or lb) From _____ (Date) to _____ (Date)
3. _____ kg (or lb) From _____ (Date) to _____ (Date)

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

RECEIVED
AUG 17 2011
AIR RESOURCES
NYSDEC REGION 8

August 16, 2011

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual Exceedance Report: Halogenated Solvent Cleaner NESHAP

Dear Mr. Marriott:

This letter replaces our original letter dated July 29, 2011.

Enclosed is a Semi-Annual Exceedance Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York.

This Report covers the period January 1, 2011 through June 30, 2011. No exceedances occurred in this time period.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

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AUG 9 2011
AIR RESOURCES
NYSDEC REGION 8

July 29, 2011

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual Exceedance Report: Halogenated Solvent Cleaner NESHAP

for what time period?

Dear Mr. Marriott:

Enclosed is a Semi-Annual Exceedance Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Jan 1. June 30, 2011

See Revised Cover letter Kmw

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART ONE – General Information

Person Preparing Report Wilborn, Kimberly M. **Date**_____
Last Name, First Name, Middle Initial

Company Name Rochester Steel Treating Works, Inc.

Mailing Address 962 East Main Street Rochester, NY 14605
Number, Street, City/Town, State, Zip Code

Intended Equipment Location Address Same as above
Number, Street, City/Town, State, Zip Code

Cleaning Machine Summary

Identification Number	Description
00031	Batch Vapor

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART TWO – Information Required per Machine
(Make copies for additional machines as necessary)

Cleaner Identification Number 00031

Check appropriate box and answer the requested information.

☐ **Exceedance**

Exceedance that occurred: _____

Date of occurrence: _____

Actions taken: _____

Results of actions: _____

☒ **No exceedance occurred.**

New York State Department of Environmental Conservation
Division of Air Resources, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9516
Phone: (585) 226-2466 • **Fax:** (585) 226-2909
Website: www.dec.ny.gov

Joe Martens
Commissioner

August 11, 2011

Ms. Kimberly Miller Wilborn
Rochester Steel Treating Works
962 Main Street
Rochester, NY 14605

Re: Semi-Annual Report

Dear Ms. Wilborn:

We are in receipt of a semi-annual report recently submitted for your batch vapor cleaning operations. In order to properly update our records to indicate full compliance, the time frame covered by this report must be specified. Please indicate what the time frame for this report is and include it in future reports.

Sincerely,

Thomas L. Marriott

Thomas L. Marriott, P.E.
Regional Air Pollution Control Engineer

New York State Department of Environmental Conservation
Division of Air Resources, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9516
Phone: (585) 226-2466 • **Fax:** (585) 226-2909
Website: www.dec.ny.gov

file

Joe Martens
Commissioner

August 11, 2011

Ms. Kimberly Miller Wilborn
Rochester Steel Treating Works
962 Main Street
Rochester, NY 14605

Re: Semi-Annual Report

Dear Ms. Wilborn:

We are in receipt of a semi-annual report recently submitted for your batch vapor cleaning operations. In order to properly update our records to indicate full compliance, the time frame covered by this report must be specified. Please indicate what the time frame for this report is and include it in future reports.

Sincerely,

Thomas L. Marriott

Thomas L. Marriott, P.E.
Regional Air Pollution Control Engineer

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART TWO – Information Required per Machine
(Make copies for additional machines as necessary)

Cleaner Identification Number 00031

Check appropriate box and answer the requested information.

☐ **Exceedance**

Exceedance that occurred: _____

Date of occurrence: _____

Actions taken: _____

Results of actions: _____

☒ **No exceedance occurred.**

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART ONE – General Information

Person Preparing Report Wilborn, Kimberly M. **Date**_____
Last Name, First Name, Middle Initial

Company Name Rochester Steel Treating Works, Inc.

Mailing Address 962 East Main Street Rochester, NY 14605
Number, Street, City/Town, State, Zip Code

Intended Equipment Location Address Same as above
Number, Street, City/Town, State, Zip Code

Cleaning Machine Summary

Identification Number	Description
00031	Batch Vapor

1099rd

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

RECEIVED

AUG 9 2011

AIR RESOURCES
NYSDEC REGION 8

July 29, 2011

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual Exceedance Report: Halogenated Solvent Cleaner NESHAP

for what time period?

Dear Mr. Marriott:

Enclosed is a Semi-Annual Exceedance Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Kimberly Miller Wilborn

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

-10996
-in AFS

Rochester Steel Treating Works Inc.
962 East Main Street
Rochester, New York 14605
(585) 546-3348

January 31, 2011

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

82614 00471

Re: Annual Report: Halogenated Solvent Cleaner NESHAP

Dear Mr. Marriott:

Enclosed please find our Annual Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York. . As per requirements,

> *"All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the required operator test."*

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Kimberly Miller Wilborn

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

HALOGENATED SOLVENT CLEANER NESHAP

Annual Report

PART ONE- General Information

Person Preparing Report Wilborn, Kimberly M. Date:_____
Last Name, First Name, Middle Initial

Company Name Rochester Steel Treating Works Inc.

Mailing Address 962 East Main Street Rochester, New York 14605
Number, Street, City/Town, State, Zip Code

Intended Equipment Location Address Same
Number, Street, City/Town, State, Zip Code

Cleaning Machine Summary

Identification Number	Description
00031	Batch Vapor

Annual Report

PART TWO- Information Required per Machine
(Make copies for additional machines as necessary)

Cleaner Identification Number: 00031

Check compliance option chosen and fill out appropriate report requirements.

[X] Control Options

All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the required operator test.

Kimberly Miller Wilk
Signature

1-28-11
Date

Previous Year's Solvent Consumption_____kg/yr (or lb/yr).

[ ] Alternative Standard

Cleaning machine size:

Solvent-air interface area_____m^2(or ft^2)
or
Solvent cleaning capacity_____ m^3 (or ft^3)

Average monthly solvent consumption_____kg (or lb)

Three month rolling Average emission estimates: (calculations attached)

1. _____ kg (or lb) From _____ (Date) to _____ (Date)
2. _____ kg (or lb) From _____ (Date) to _____ (Date)
3. _____ kg (or lb) From _____ (Date) to _____ (Date)

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART ONE – General Information

Person Preparing Report Wilborn, Kimberly M. **Date**_____
Last Name, First Name, Middle Initial

Company Name Rochester Steel Treating Works, Inc.

Mailing Address 962 East Main Street Rochester, NY 14605
Number, Street, City/Town, State, Zip Code

Intended Equipment Location Address Same as above
Number, Street, City/Town, State, Zip Code

Cleaning Machine Summary

Identification Number	Description
00031	Batch Vapor

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART TWO – Information Required per Machine
(Make copies for additional machines as necessary)

Cleaner Identification Number 00031

Check appropriate box and answer the requested information.

☐ **Exceedance**

Exceedance that occurred: _____

Date of occurrence: _____

Actions taken: _____

Results of actions: _____

☒ **No exceedance occurred.**

109914

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

AUG 2 2010

July 30, 2010

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

What time period?

Re: Semi-Annual Exceedance Report: Halogenated Solvent Cleaner NESHAP

Dear Mr. Marriott:

Enclosed is a Semi-Annual Exceedance Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

April 30, 2010

Administrator
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

Re: Initial Notification Report & Initial Statement of Compliance
40 CFR Part 63, Subpart T
Rochester Steel Treating Works, Inc.
Rochester, New York

Dear Sir or Madam:

Rochester Steel Treating Works, Inc. (RSTW) operates one batch vapor solvent cleaning machine that utilizes trichloroethylene and is thereby subject to 40 CFR 63, Subpart T. The unit is small and RSTW purchases a total of approximately 3,000 kilograms (kgs) of trichloroethylene annually.

As required by 40 CFR 63.471(f), listed below is the information required within the initial notification report:

471(f)(1)	Rochester Steel Treating Works, Inc. 962 East Main Street Rochester, New York 14605
471(f)(2)	One solvent cleaning machine is located at the same address
471(f)(3)	Machine Type – batch vapor Solvent/Air Interface Area – 13.5 ft^2 Existing Controls – 463(b)(2) Table 2 – Option 6
471(f)(4)	Installation Date – February 1998
471(f)(5)	Estimate of annual TCE consumption – 1,000 kgs

As required by 40 CFR 63.471(g), listed below is the information required within the initial statement of compliance:

471(g)(1)	Rochester Steel Treating Works, Inc. 962 East Main Street Rochester, New York 14605
471(g)(2)	One solvent cleaning machine is located at the same address
471(g)(3)	Annual emissions calculation – 875 kgs

As approved by representatives from the US EPA and the NYS DEC, RSTW will collect the information required by 63.471(c) on the first operating day of the first full week of each month (normally the first operating Monday of each month unless the first Monday falls on a company holiday) rather than on the first operating day of each month.

Sincerely,

Ms. Kimberly Wilborn

Cc: Mr. Thomas Marriott, P.E.
Chief Air Pollution Control Engineer
Division of Air Resources
New York State Department of Environmental Conservation – Region 8
6274 Avon-Lima Road
Avon, New York 14414-9519

New York State Department of Environmental Conservation
Bureau of Compliance Monitoring & Enforcement
625 Broadway 2nd Floor
Albany, New York 12233-3258

Chief of the Stationary Source Compliance Section
U.S. Environmental Protection Agency – Region 2
Air Compliance Branch
290 Broadway
New York, New York 10007-1866

CP4230

HALOGENATED SOLVENT CLEANER NESHAP:

Exceedance Report

PART TWO – Information Required per Machine
(Make copies for additional machines as necessary)

Cleaner Identification Number 00031

Check appropriate box and answer the requested information.

☐ **Exceedance**

Exceedance that occurred: _____

Date of occurrence: _____

Actions taken: _____

_____

_____

_____

_____

_____

_____

_____

Results of actions: _____

_____

_____

_____

_____

_____

_____

☒ **No exceedance occurred.**

HALOGENATED SOLVENT CLEANER NESHAP:

JAN 2 7 2010

Exceedance Report

PART ONE – General Information

Person Preparing Report Wilborn, Kimberly M. **Date**_____
Last Name, First Name, Middle Initial

Company Name Rochester Steel Treating Works, Inc.

Mailing Address 962 East Main Street Rochester, NY 14605
Number, Street, City/Town, State, Zip Code

Intended Equipment Location Address Same as above
Number, Street, City/Town, State, Zip Code

Cleaning Machine Summary

Identification Number	Description
00031	Batch Vapor

ROCHESTER
STEEL TREATING
WORKS
INCORPORATED

JAN 2 7 2010

January 31, 2010

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Semi-Annual Exceedance Report: Halogenated Solvent Cleaner NESHAP

Dear Mr. Marriott:

Enclosed is a Semi-Annual Exceedance Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York.

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Kimberly Miller Wilborn

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

Annual Report

PART TWO- Information Required per Machine
(Make copies for additional machines as necessary)

Cleaner Identification Number: 00031

Check compliance option chosen and fill out appropriate report requirements.

[X] Control Options

All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the required operator test.

Kimberly Nulle Wilson — Signature

1-25-2010 — Date

Previous Year's Solvent Consumption 4235 kg/yr (or lb/yr).

[ ] Alternative Standard

Cleaning machine size:

Solvent-air interface area _____ m^2 (or ft^2)

or

Solvent cleaning capacity _____ m^3 (or ft^3)

Average monthly solvent consumption _____ kg (or lb)

Three month rolling Average emission estimates: (calculations attached)

1. _____ kg (or lb) From _____ (Date) to _____ (Date)
2. _____ kg (or lb) From _____ (Date) to _____ (Date)
3. _____ kg (or lb) From _____ (Date) to _____ (Date)

HALOGENATED SOLVENT CLEANER NESHAP:

Annual Report

PART ONE- General Information

Person Preparing Report Wilborn, Kimberly M. Date:
Last Name, First Name, Middle Initial

Company Name Rochester Steel Treating Works Inc.

Mailing Address 962 East Main Street Rochester, New York 14605
Number, Street, City/Town, State, Zip Code

Intended Equipment Location Address Same
Number, Street, City/Town, State, Zip Code

Cleaning Machine Summary

Identification Number	Description
00031	Batch Vapor

Rochester Steel Treating Works Inc.
962 East Main Street
Rochester, New York 14605
(585) 546-3348

JAN 2 7 2010

January 31, 2010

Mr. Thomas Marriott
New York State Department of Environmental Conservation
Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414

Re: Annual Report: Halogenated Solvent Cleaner NESHAP

Dear Mr. Marriott:

Enclosed please find our Annual Report for a batch vapor cleaning operation installed at Rochester Steel Treating Works, Inc. in Rochester, New York. . As per requirements,

> *"All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the required operator test."*

If you have any questions or concerns, please call me at (585) 546-3348.

Sincerely,

Kimberly Miller Wilborn

Cc: Division of Air Resources
Bureau of Stationary Sources
Source Control Technology
50 Wolf Road, Room 108
Albany, New York 12233-3254

United State EPA – Region II
Air Compliance Branch – 21st Floor
290 Broadway
New York, New York 10007-1886

ROCHESTER STEEL TREATING WORKS, INC.
ROCHESTER, NEW YORK

EXEMPT AND TRIVIAL ACTIVITIES

Emission Point	Process Description	Exempt/Trivial Citation
00030	Metal hardening system that uses ammonia for surface preparation by reacting the ammonia in a heated environment. No VOCs are used in this process.	201-3.3(c)(50)
RST01	Metal blackening line used exclusively for surface preparation using water-based chemicals that contain less than 2% VOC by volume.	201-3.3(c)(50)

New York State Department of Environmental Conservation
Region 8 Headquarters - Division of Air Resources
6274 East Avon-Lima Road
Avon, New York 14414
(716) 226-2466

Exempt & Trivial Activities

Facility Name & Address Rochester Steel Treating Works, Inc.

261402 0761

962 East Main Street

Rochester, New York 14605

SMS 6/3/97

Authorized Representative & Title Keith E. Heiden, President

Signature Keith E Heiden

Date 6-2-97

(Please respond by no later than June 2, 1997)

Telephone Number (716) 546-3348

☐ **None of the emission points at this facility qualify as an exempt or trivial activity listed in 6 NYCRR Part 201-3.**

☒ **The following emission points may qualify as one of the exempt or trivial activities listed in 6 NYCRR Part 201-3:**

Emission Point	Process Description	Exempt/Trivial Citation
SEE ATTACHED SHEET.		
EXAMPLE EXAMPLE	EXAMPLE EXAMPLE EXAMPLE	EXAMPLE EXAMPLE
00001	9 million Btu/hr Nat. Gas Boiler	201-3.2(c)(2)
1.		
2.		
3.		
4.		
5.		

Attach additional pages if needed

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0192
RUN DATE: 06/21/93

C 261400 0761 RST02 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDN
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIAN
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/09/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 6
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST02
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 8050.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ

UNIT I
(55)HOURS/DAY: (56)DAYS/YEAR: (57)% OP BY SEASON: (58)SOURCE CODE:
(59)BLDG: (60)FLOOR NAME: (61)RULE 1: 212.00 (62)RULE 2:

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10x	PERMISSIBL
SULFURIC ACID	(085) 07664-93-9	(086) B	(087) .250	(088) 01	(089) 09	(090) .250	(091)	(092) .250	(093)625.000	(094) 0	(095)625.0
NITRIC ACID MIST	(096) 07697-37-2	(097) B	(098) .330	(099) 01	(100) 09	(101) .330	(102)	(103) .330	(104)825.000	(105) 0	(106)825.0
SODIUM HYDROXIDE	(107) 01310-73-2	(108) B	(109) .700	(110) 01	(111) 09	(112) .700	(113)	(114) .700	(115) 1750	(116) 0	(117) 17
SODIUM CARBONATE	(118) 00497-19-8	(119) B	(120) .130	(121) 01	(122) 09	(123) .130	(124)	(125) .130	(126)325.000	(127) 0	(128)325.0

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

SPECIAL CONDITIONS (151)CONDITION 1. AGI

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY _____ (20)DATE __/__/__	(27)LAST INSPECTION DATE __/__/__
1.	1.	(21)INSPECTION STATUS _____
2.	2.	(22)DATE OF NEXT ACTION __/__/__
3.	3.	(23)ISSUE DATE 06/01/93
4.	4.	(24)EXPIRATION DATE 07/01/96
5.	5.	(25)CO FEE _____

FIRM REP'S SIGNATURE: DATE: ISSUING OFFICER'S SIGNATURE: DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0:
RUN DATE: 06/21/

C 261400 0761 RST02 W I05
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFI
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLI/
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/09/9
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 5
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST02
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 8050.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. R

UNIT I05 (55)HOURS/DAY: 10.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. SOAK CLEAN TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS ACTUAL	(LBS/YEA 10
SODIUM HYDROXIDE	(085)	01310-73-2	(087)	.500	(088)	01	(089)	09	(091)	(092)	.500	(093) 1250	(094)
SODIUM CARBONATE	(096)	00497-19-8	(098)	.130	(099)	01	(100)	09	(102)	(103)	.130	(104) 325.000	(105)

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0188
RUN DATE: 06/21/93

C 261400 0761 RST02 W I04
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDN
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIAN
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/09/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 4
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST02

(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 8050.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I04 (55)HOURS/DAY: 10.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1204 ETCHING

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. ETCH TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		10X	
SODIUM HYDROXIDE	(085)	01310-73-2	(087)	.200	(088)	01	(089)	09	(091)	(092)	.200	(093)	500.000	(094)	0

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-01
RUN DATE: 06/21/

C 261400 0761 RST02 W I03
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFII
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIA
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/09/9
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 3
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST02
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 8050.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. RE

UNIT I03 (55)HOURS/DAY: 10.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR DIP

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. ACID TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEAR) ACTUAL		(LBS/YEAR) 10
NITRIC ACID MIST	(085)	07697-37-2	(087)	.330	(088)	01	(089)	09	(091)	(092)	.330	(093)	825.000	(094) C

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0184
RUN DATE: 06/21/93

C 261400 0761 RST02 W I02
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDN
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANC
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/09/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 2
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST02

(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 8050.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I02 (55)HOURS/DAY: 10.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. COLD WATER RINSE TANKS

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	ANNUAL EMISSIONS (LBS/YEAR) 10×
WATER MIST	(085)	07732-18-5	(087)	(088) 94	(089)	(091)	(092)	(093)	(094)

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-018
RUN DATE: 06/21/9

C 261400 0761 RST02 W I01
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFID
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIA
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/09/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

EMISSION POINT RST02
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 8050.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. RE

UNIT I01 (55)HOURS/DAY: 10.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1308 OTHER SURFACE COATIN

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. ALUMINUM ANODIZING TANKS (2)

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		EMISSIONS UNIT		EMISSIONS HOW DET		% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS ACTUAL		(LBS/YEAR 10×	
SULFURIC ACID	(085)	07664-93-9	(087)	.250	(088)	01	(089)	09	(091)	(092)	.250	(093)	625.000	(094)	0

PAGE 1

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0175
RUN DATE: 06/21/93

C 261400 0761 RST01 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDN
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIAN
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 7
CONTINUED FROM PREVIOUS PAGE

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

SPECIAL CONDITIONS (15)CONDITION 1. AGI

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY _____ (20)DATE __/__/__	(27)LAST INSPECTION DATE __/__/__
1.	1.	(21)INSPECTION STATUS _____
2.	2.	(22)DATE OF NEXT ACTION __/__/__
3.	3.	(23)ISSUE DATE 06/01/93
4.	4.	(24)EXPIRATION DATE 02/01/96
5.	5.	(25)CO FEE _____

FIRM REP'S SIGNATURE: DATE: ISSUING OFFICER'S SIGNATURE: DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-01
RUN DATE: 06/21/

C 261400 0761 RST01 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFII
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIA
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 6
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. RE

UNIT I
(55)HOURS/DAY: (56)DAYS/YEAR: (57)% OP BY SEASON: (58)SOURCE CODE:
(59)BLDG: (60)FLOOR NAME: (61)RULE 1: 212.00 (62)RULE 2:

CONTROL EQUIPMENT
(73)TYPE: 022 FILTER (74)MFG: 16"X16"X2" SS MESH-MANUF UNKNOWN (75)ID: 01 (76)DATE INSTALLED: 11/92
(77)DISPOSAL METHOD: 02 LANDFILL - OFFSITE (78)USEFUL LIFE: 20 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10x	PERMISSI
SODIUM HYDROXIDE	(085) 01310-73-2	(086) B	(087) 75.800	(088) 02	(089) 09	(090) 75.800	(091) 60.0	(092) .076	(093)152.000	(094) 0	(095)152.
SODIUM CARBONATE	(096) 00497-19-8	(097) B	(098) 7.600	(099) 02	(100) 09	(101) 7.600	(102) 60.0	(103) .008	(104) 15.200	(105) 0	(106) 15.
NICKEL NITRATE	(107) 13138-45-9	(108) B	(109) .006	(110) 01	(111) 09	(112) .006	(113) 60.0	(114) .006	(115) 12.000	(116) 0	(117) 12.
TETRASODIUM PYROPHOS	(118) 07722-88-5	(119) B	(120) 18.800	(121) 02	(122) 09	(123) 18.800	(124) 60.0	(125) .019	(126) 37.600	(127) 0	(128) 37.
PEG OCTYLPHENYLETHER	(129) 09036-19-5	(130) B	(131) .012	(132) 01	(133) 09	(134) .012	(135) 60.0	(136) .012	(137) 24.000	(138) 0	(139) 24.
HYDROGEN CHLORIDE	(140) 07647-01-0	(141) B	(142) 5.200	(143) 02	(144) 09	(145) 5.200	(146) 60.0	(147) .005	(148) 10.400	(149) 0	(150) 10.
CONTINUATION FORM J											
SODIUM NITRITE	(085) 07632-00-0 (096)	(086) A (097)	(087) .008 (098) .029	(088) 01 (099) 01	(089) 09 (100) 09	(090) .008 (101) .029	(091) 60.0 (102) 60.0	(092) .008 (103) .029	(093) 16.000 (104) 58.000	(094) 0 (105) 0	(095) (106) 58.
NICKEL NITRATE	(107) 13138-45-9	(108) B	(109) .132	(110) 02	(111) 09	(112) .132	(113) 60.0	(114) .001	(115) .264	(116) 0	(117) .
BUTYL CARBITOL	(118) 00112-34-5	(119) B	(120) 11.200	(121) 02	(122) 09	(123) 11.200	(124) 60.0	(125) .011	(126) 22.400	(127) 0	(128) 22.
PETROLEUM DISTILLATE	(129) 64742-52-5	(130) B	(131) .060	(132) 01	(133) 09	(134) .060	(135) 60.0	(136) .060	(137)	(138) 0	(139)120.

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0
RUN DATE: 06/21

C 261400 0761 RST01 W I05
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFI
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLI
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/9
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 5
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. R

UNIT I05 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1308 OTHER SURFACE COATIN

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. HOT OIL TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEA ACTUAL		10
BUTYL CARBITOL	(085)	00112-34-5	(087)	11.200	(088)	02	(089)	09	(091)	60.0	(092)	.011	(093)	22.400	(094)
PETROLEUM DISTILLATE	(096)	64742-52-5	(098)	.060	(099)	01	(100)	09	(102)	60.0	(103)	.060	(104)	120.000	(105)

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-017
RUN DATE: 06/21/9

C 261400 0761 RST01 W I04
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDI
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIAI
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 4
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. RE(

UNIT I04 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. WARM WATER RINSE TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL	UNIT	HOW DET	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR ACTUAL	10×
WATER MIST	(085)	07732-18-5	(087)	(088) 94	(089) 09	(091)	(092)	(093)	(094)

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-01
RUN DATE: 06/21/

C 261400 0761 RST01 W I03
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFI
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLI/
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/9
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 3
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. RI

UNIT I03 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. PENETRATE TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOM	DET	% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEA ACTUAL		10
SODIUM HYDROXIDE	(085)	01310-73-2	(087)	.073	(088)	01	(089)	09	(091)	60.0	(092)	.073	(093)	146.400	(094)
SODIUM NITRITE	(096)	07632-00-0	(098)	.008	(099)	01	(100)	09	(102)	60.0	(103)	.008	(104)	16.000	(105)
SODIUM NITRATE	(107)	07631-99-4	(109)	.029	(110)	01	(111)	09	(113)	60.0	(114)	.029	(115)	58.000	(116)
NICKEL NITRATE	(118)	13138-45-9	(120)	.132	(121)	02	(122)	09	(124)	60.0	(125)	.001	(126)	.264	(127)

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-
RUN DATE: 06/2

C 261400 0761 RST01 W I02
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONF
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPL
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

PAGE 2
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV.

UNIT I02 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1201 ACID CLEANING OR D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. ACID TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/Y ACTUAL	
HYDROGEN CHLORIDE	(085)	07647-01-0	(087)	5.200	(088)	02	(089)	09	(091)	60.0	(092)	.005	(093) 10.400	(094)

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0
RUN DATE: 06/21.

C 261400 0761 RST01 W I01
LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFI
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLI
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/10/9
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

EMISSION POINT RST01
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 15 FT. (43)EXIT VELOCITY: 1.22 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -5 FT. (48)EXIT FLOW: 733.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30X48 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. R

UNIT I01 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1202 ALKALINE (CAUSTIC) D

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. SOAK CLEAN TANK

CONTROL EQUIPMENT (73)TYPE: (74)MFG: (75)ID: (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS		CAS NUMBER	EMISSIONS ACTUAL		UNIT		HOW DET		% CONTROL EFFICIENCY		HRLY ACTUAL LBS/HOUR		ANNUAL EMISSIONS (LBS/YEA ACTUAL		10
SODIUM HYDROXIDE	(085)	01310-73-2	(087)	2.800	(088)	02	(089)	09	(091)	60.0	(092)	.003	(093)	5.600	(094)
SODIUM CARBONATE	(096)	00497-19-8	(098)	7.600	(099)	02	(100)	09	(102)	60.0	(103)	.008	(104)	15.200	(105)
SODIUM SULFATE	(107)	07757-82-6	(109)	.006	(110)	01	(111)	09	(113)	60.0	(114)	.006	(115)	12.000	(116)
TETRASODIUM PYROPHOS	(118)	07722-88-5	(120)	18.800	(121)	02	(122)	09	(124)	60.0	(125)	.019	(126)	37.600	(127)
PEG OCTYLPHENYLETHER	(129)	09036-19-5	(131)	.012	(132)	01	(133)	09	(135)	60.0	(136)	.012	(137)	24.000	(138)

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N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0731
RUN DATE: 01/02/96

C 261400 0761 RST02 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNT
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANC
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 06/09/93
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 06/01/93
		PRIOR CO EXPIRATION DATE 07/01/96

PAGE 6
CONTINUED FROM PREVIOUS PAGE

EMISSION POINT RST02
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 27.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 8050.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2:
(51)GRND ELEV: 425 FT. (52)STK DIAM: 30 IN. (53)EXIT TEMP: 75 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I
(55)HOURS/DAY: (56)DAYS/YEAR: (57)% OP BY SEASON: (58)SOURCE CODE:
(59)BLDG: (60)FLOOR NAME: (61)RULE 1: 212.00 (62)RULE 2:

CONTROL EQUIPMENT
(73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10X	PERMISSIBL
SULFURIC ACID	(085) 07664-93-9	(086) B	(087) .250	(088) 01	(089) 09	(090) .250	(091)	(092) .250	(093)625.000	(094) 0	(095)625.00
NITRIC ACID MIST	(096) 07697-37-2	(097) B	(098) .330	(099) 01	(100) 09	(101) .330	(102)	(103) .330	(104)825.000	(105) 0	(106)825.00
SODIUM HYDROXIDE	(107) 01310-73-2	(108) B	(109) .700	(110) 01	(111) 09	(112) .700	(113)	(114) .700	(115) 1750	(116) 0	(117) 175
SODIUM CARBONATE	(118) 00497-19-8	(119) B	(120) .130	(121) 01	(122) 09	(123) .130	(124)	(125) .130	(126)325.000	(127) 0	(128)325.00

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

SPECIAL CONDITIONS
(151)CONDITION 1. AGI

(15)PRIOR COMMENTS (16)BY (17)DATE	(18)CURRENT COMMENTS (19)BY _____ (20)DATE __/__/__	(27)LAST INSPECTION DATE __/__/__
1.	1.	(21)INSPECTION STATUS
2.	2.	(22)DATE OF NEXT ACTION __/__/__
3.	3.	(23)ISSUE DATE __/__/__
4.	4.	(24)EXPIRATION DATE __/__/__
5.	5.	(25)CO FEE

FIRM REP'S SIGNATURE: DATE: ISSUING OFFICER'S SIGNATURE: DATE:


RECEIVED

8-2614-00471/00004 - AC
6 - AO

Rochester Steel Treating Works, Inc.

Over 60 years of quality service

RECEIVED
FEB 15 1996
DRA - REGION 8

February 13, 1996

New York State Department of Environmental Conservation
DRS - Department of Regulatory Services
6274 East Avon-Lima Road
Avon, New York 14414-9519

Re: ***Certificate to Operate Renewals***
Facility ID# 26 1400 1761
Emission Point RST02

Dear Sir or Madame:

It is the desire of Rochester Steel Treating Works, Inc. to eliminate the above referenced Certificate to Operate / Air Contamination Source. The air contaminants covered by this permit (sulfuric acid, nitric acid mist, sodium hydroxide, and sodium carbonate) are no longer dispersed by this facility. ***On December 31, 1993, Rochester Steel Treating Works, Inc. ceased all operations of its anodizing line.***

Please do not hesitate to contact me regarding this matter. We would be happy to provide the DEC with any additional paperwork to support this filing.

Sincerely,

Kimberly Miller Wilborn

Kimberly Miller Wilborn

kmw/s

cc: Keith Heiden

RECEIVED
FEB 16 1996
NYS DEPT. OF ENVIRONMENTAL CONSERVATION-REGION 8 (KODAK/AIR)

Atmosphere Heat Treating and Gas Carburizing

Carbo Nitriding

Ammonia Nitriding

Vacuum Heat Treating

Black Oxide Finishing

Stress Relieving, Normalizing and Annealing

Hardening Tools and Dies

Induction Hardening

Member A.S.M. A.W.S. A.S.M.E. N.T.M.A. M.T.I.

962 East Main Street • Rochester, New York 14605 • (716) 546-3348 • Fax (716) 546-1684

Rochester Steel Treating Works, Inc.

962 EAST MAIN STREET
ROCHESTER, NEW YORK 14605

716 · 546-3348
FAX 716 · 546-1684

OVER FIFTY YEARS
OF QUALITY SERVICE

MEMBER
A.S.M. A.W.S.
A.S.M.E. M.T.I.
N.T.M.A.

July 22, 1993

Mr. Thomas Marriott
Regional Air Pollution Control Engineer
NYS Department of Environmental Conservation Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Dear Mr. Marriott:

As requested by the NYS DEC, Rochester Steel Treating Works, Inc. (RSTW) recently completed and submitted the 1992 Fuel/Industrial Process Emission Survey form, and the Title V Applicability form. Enclosed are copies of these forms. Based on the emissions data obtained to complete these forms, RSTW does not have the potential to be a "major" facility as that term is defined in the Clean Air Act Amendments of 1990. Consequently, it is requested that the NYS DEC remove RSTW from its list of potentially major facilities.

If there are any questions, please contact this office.

Sincerely,

Keith E. Heiden

Keith Heiden
General Manager

Enclosures

Rochester Steel Treating Works, Inc.

962 EAST MAIN STREET
ROCHESTER, NEW YORK 14605

716 546-3348
FAX 716 · 546-1684

OVER FIFTY YEARS
OF QUALITY SERVICE

MEMBER
A.S.M. A.W.S
A.S.M.E. M.T.I.
N.T.M.A.

July 22, 1993

Mr. Thomas Marriott
Regional Air Pollution Control Engineer
NYS Department of Environmental Conservation Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Dear Mr. Marriott:

As requested by the NYS DEC, Rochester Steel Treating Works, Inc. (RSTW) recently completed and submitted the 1992 Fuel/Industrial Process Emission Survey form, and the Title V Applicability form. Enclosed are copies of these forms. Based on the emissions data obtained to complete these forms, RSTW does not have the potential to be a "major" facility as that term is defined in the Clean Air Act Amendments of 1990. Consequently, it is requested that the NYS DEC remove RSTW from its list of potentially major facilities.

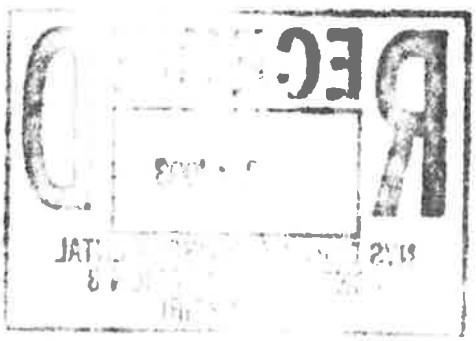
If there are any questions, please contact this office.

Sincerely,

Keith E. Heiden

Keith Heiden
General Manager

Enclosures



N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-C-0147
RUN DATE: 12/18/95

C 261400 0761 00031 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNT
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANC
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 12/11/95
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE
		PRIOR CO EXPIRATION DATE

EMISSION POINT 00031
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 71.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: 4 FT. (48)EXIT FLOW: 30000.00 ACFM (49)CO FEE: (50)AGENCY-CODE-2: N
(51)GRND ELEV: 425 FT. (52)STK DIAM: 36 IN. (53)EXIT TEMP: 100 DEGR F (54)CO CONDITIONS: 3 EDIT: REV. REQ.

UNIT I
(55)HOURS/DAY: 16.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1401 ANNEALING
(59)BLDG: (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. HEAT TREAT ROOM VENTILATION

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10%	PERMISSIBL
TRICHLOROETHYLENE	(085) 00079-01-6	(086) B	(087) 2.043	(088) 01	(089) 06	(090) 2.043	(091)	(092) 2.043	(093) 8170	(094) 0	(095) 817

GENERAL CONDITIONS

1. SHOULD SIGNIFICANT NEW SCIENTIFIC EVIDENCE FROM A RECOGNIZED INSTITUTION RESULT IN A DECISION BY DEC THAT LOWER AMBIENT POLLUTION LEVELS MUST BE ESTABLISHED, IT MAY BE NECESSARY TO REDUCE EMISSIONS FROM THIS SOURCE PRIOR TO THE EXPIRATION OF THIS CERTIFICATE TO OPERATE.

SPECIAL CONDITIONS (151)CONDITION 1. AG1

(15)PRIOR COMMENTS (16)BY YURKSTAS (17)DATE 07/24/81
1. OPERATING AT 100% CAPACITY
2.
3.
4. NO VISIBLE EMISSIONS AT TIME OF INSPECTION
5.

(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /
1. _____
2. _____
3. _____
4. _____
5. _____

(27)LAST INSPECTION DATE / /
(21)INSPECTION STATUS 5
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 02/01/96
(24)EXPIRATION DATE 02/01/01
(25)CO FEE $50.00

FIRM REP'S SIGNATURE: DATE:

ISSUING OFFICER'S SIGNATURE: DATE:

Mark W. Buttner JAN. 17 1996

Wakite MATERIAL SAFETY DATA SHEET

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES: Wear personal protective equipment (See Section VIII). Remove all heat and ignition sources. Ventilate area. Neutralize with soda ash or lime. Clean up with noncombustible absorbant material.

WASTE DISPOSAL METHOD: Dispose of in accordance with Local State and Federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY: If TLV is exceeded, or for symptoms of overexposure, use NIOSH-approved acid gas cartridge and/or high efficiency particulate filter respirator.

EYEWEAR: If splash potential exists wear chemical splash goggles or faceshield.

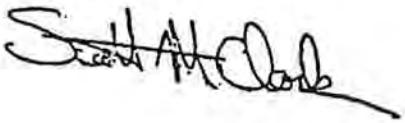
CLOTHING/GLOVES: If potential for skin contact exists, wear neoprene or other chemical resistant gloves and apron or coveralls and/or foot coverings, as needed.

VENTILATION: Local exhaust may be necessary for some handling/use conditions. Specific needs should be addressed by supervisory or health/safety personnel.

SECTION IX - SPECIAL PRECAUTIONS

CORROSIVE. Oxidizing properties. Store in closed container in well-ventilated area. NOTE:IF DILUTING (OR DISSOLVING) ALWAYS ADD THIS PRODUCT TO WATER SLOWLY AND WITH CONSTANT STIRRING. Do not add this product to chlorine-releasing materials. This product does not contain any carcinogens (at 0.1% or greater) as defined by IARC, NTP, or OSHA.

APPROVAL

NAME  Mgr. Health & Environmental Dept. TITLE 01/09/1990 DATE

NA Not Applicable

NE - Not Established

Oakite

4068

MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 4068
OAKITE ENPROX 702
80-J-2

HMIS 3 0 1 J

SECTION I

TRADE NAME	OAKITE ENPROX 702	EMERGENCY TELEPHONE NUMBER: (800) 424-9300 (CHEMTREC)
CHEMICAL NAME AND SYNONYMS	NA-Mixture	
MANUFACTURER'S NAME AND TELEPHONE NO.	OAKITE PRODUCTS INC. (201) 464-6900 (8am-5pm)	
ADDRESS	50 Valley Road Berkeley Heights NJ 07922	

SECTION II - HAZARDOUS INGREDIENTS

	CAS NO.	% BY WT	TLV	PEL	UNITS
Sulfuric acid(+)	0007664939	35-45	1	1	mg/m^3
Non-hazardous ingredients		Bal.			

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29 CFR 1910.1200).

(+) This product contains ingredient(s) identified in Section II with (+) which are subject to the reporting requirements of section 313 of SARA Title III and 40 CFR 372.

SECTION III - PHYSICAL DATA

BOILING POINT (F)	>212	SPECIFIC GRAVITY (H2O=1)	1.284
VAPOR PRESSURE (mm Hg)	<18	Bulk Density	
VAPOR DENSITY (Air=1)	<1	PERCENT VOLATILE	
SOLUBILITY IN WATER	Complete	BY VOLUME(%) Excludes H2O	0
EVAPORATION RATE (Water=1)	1	PH 4% solution	1.1
APPEARANCE AND ODOR	Clear liquid; odorless.	Concentrate	NE

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

NA - Not Applicable

NE - Not Established

FLASH POINT (Method Used): NONE
FLAMMABLE LIMITS: LEL: NA UEL: NA

EXTINGUISHING MEDIA: Use media suitable for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Wear Self-Contained Breathing Apparatus (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS: May have oxidizing properties, therefore, fire risk on contact with combustible materials.

SECTION V - HEALTH HAZARD INFORMATION

ROUTE(S) OF ENTRY:	INHALATION:	SKIN:	INGESTION:
	X	X	X

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

SYMPTOMS/EFFECTS OF OVEREXPOSURE:
Inhalation of mist may cause respiratory irritation with coughing, sneezing, salivation and difficult breathing. Severe exposures may lead to chemical pneumonitis. Severe skin irritation and burns. Eye contact causes severe or permanent damage.

FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.

SKIN: Immediately remove contaminated clothing. Wash skin with large amounts of water for at least 15 minutes. Get prompt medical attention. Wash clothing before reuse.

INGESTION: Contact local poison control center or physician IMMEDIATELY!

INHALATION: Move victim to fresh air and restore breathing if necessary. Stay with victim until emergency medical help arrives.

SECTION VI - REACTIVITY DATA

STABILITY: NORMALLY STABLE
INCOMPATIBLE MATERIALS: Alkalies, Combustibles. Contact with certain metals may yield explosive hydrogen gas.
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide, Hydrogen.

NA - Not Applicable

NE - Not Established

Engineering Controls: Local exhaust ventilation required.

Respiratory Protection: A NIOSH/MSHA approved air-purifying respirator equipped with acid gas/fume, dust, mist cartridges for concentrations up to 10 mg/m³. An air-supplied respirator if concentrations are higher or unknown.

Skin Protection: Impervious (i.e., neoprene, PVC) gloves, coveralls, boots and/or other acid resistant protective clothing.

Eye Protection: Tight-fitting chemical goggles and face shield.

Other Personal Protective Equipment: Where there is a danger of spilling or splashing, acid resistant aprons or suits should be worn. Trouser legs should be worn outside (not tucked in) rubber boots. Safety showers and eyewash fountains should be installed in storage and handling areas.

Handling Procedures and Equipment: Carbon steel or stainless steel materials are suitable for use for acid concentrations equal to or greater than 93%. However, the effect of lower concentrations on the materials of construction can be very complex. Contact product supplier for specific recommendations when handling sulfuric acid at strengths less than 77%.

Storage Temperature (°C): Store above freezing point (Section 2). Elevated temperatures will increase the corrosion rate of most metals.

Storage Requirements: Store packaged acid in a dry, well-ventilated location away from combustibles, oxidizers, bases, or metallic powders. Storage tanks should be protected from water ingress, be well ventilated, and maintained structurally in a safe and reliable condition.

Other Precautions: Keep away from ignition sources. Sulfuric acid will attack some forms of plastics and coatings. Always add acid to water — not water to acid. If kept in upper floors of building, floors should be acid proof with drains to a recovery tank.

7. ENVIRONMENTAL PROTECTION DATA

Steps to be taken in the event of a spill or leak: Remove all ignition sources. Ventilate area. Stop or reduce leak if safe to do so. Dike with inert material (sand, earth, etc.). Collect into containers for reclaim or disposal.

Environmental Effects: Harmful to aquatic life in very low concentrations. May be dangerous if it enters water intake; Fish toxicity critical concentration = 10 mg/l; 7.34 mg/l/48 hrs - Lymneae Palustris - 0-100% mortality.

Deactivating Chemicals: Lime, limestone, sodium carbonate (soda ash), sodium bicarbonate, dilute sodium hydroxide, dilute aqua ammonia.

Waste Disposal Methods: Dispose of waste material at an approved waste treatment/disposal facility, in accordance with applicable local, state and federal regulations. Do not dispose of waste with normal garbage or to sewer systems.

8. ADDITIONAL INFORMATION AND SOURCES USED

1. Marsulex Technical Bulletin, "Sulfuric Acid"
2. Enviro-TIPS Manual, "Sulfuric Acid and Oleum". Environment Canada, February, 1984.

MARSULEX INC.
40 Richards Avenue
P.O. Box 5453
Norwalk, Connecticut 06856-5453

Date issued: November 1985
Date revised: November 1988
MSDS index no: SPU 001/89C

Reproductive Effects: No information is available and no adverse reproductive effects are anticipated.

Mutagenicity Data: No information is available and no adverse mutagenic effects are anticipated.

Teratogenicity Data: No information is available and no adverse teratogenic effects are anticipated.

Synergistic Materials: None known

Effects of exposure when:

Inhaled: Mists and vapors may cause irritation of the eyes, nose and respiratory tract. May cause increased pulmonary resistance, transient cough and bronchoconstriction. Severe overexposure may result in lung collapse and pulmonary edema which can be fatal. Prolonged or repeated exposure may result in impaired lung function and possible discoloration and erosion of teeth.

In contact with the skin: Concentrated solution may cause pain and severe burns to the skin and brownish or yellow stains. Prolonged and repeated exposure to dilute solutions may cause irritation, redness, pain and drying and cracking of the skin.

In contact with the eyes: Immediate pain, severe burns and permanent corneal damage which may result in blindness.

Ingested: Severe burning and pain in the mouth, throat and abdomen. Vomiting, diarrhea and perforation of the esophagus and stomach lining may occur.

Other Health Effects: Corrosive effects on the skin and eyes may be delayed, and damage may occur without the sensation or onset of pain. Strict adherence to first aid measures following **any** exposure is essential.

First Aid Procedures when:

Inhaled: Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give Cardiopulmonary Resuscitation (CPR) if there is no breathing AND no pulse. Obtain medical attention IMMEDIATELY.

In contact with the skin: Flush skin with running water for a **minimum** of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY. Do not transport victim unless the recommended flushing period is completed or flushing can be continued during transport.

In contact with the eyes: Immediately flush eyes with running water for a **minimum** of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY. Do not transport victim until the recommended flushing period is completed unless flushing can be continued during transport.

Ingested: If victim is alert and not convulsing, rinse out mouth and give ½ to 1 glass of water to dilute material. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. IMMEDIATELY contact local poison control center. Vomiting may need to be induced but should be directed by a physician or a poison control center. IMMEDIATELY transport victim to an emergency facility.

Note to Physician: Medical conditions that may be aggravated by exposure include asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. In the event of skin or eye contact, rapid and thorough flushing is essential.

6. PREVENTIVE MEASURES

Recommendations listed in this section indicate the type of equipment which will provide protection against over exposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

Solubility: Miscible in all proportions in water. Also soluble in alcohol.
% Volatile by Volume: 0% at room temperature.
pH: 0.3 (1N solution at 25°C)
Coefficient of Water/Oil Distribution: No data

3. FIRE AND EXPLOSION DATA

Flash Point (method): Not applicable, product is non-flammable
Autoignition Temperature: Not combustible
Flammability Limits in air (%): UEL: Not applicable **LEL:** Not applicable

Fire Extinguishing Media: Use appropriate media to extinguish source of fire. Use water carefully (see below).

Fire Fighting Procedures: Fire involving small amount of combustibles may be smothered with suitable dry chemical. Use water on combustibles burning in vicinity of this material but use care; water applied directly will cause evolution of heat and cause spattering. Full protective equipment including a self-contained breathing apparatus should be worn.

Other Fire or Explosion Hazards: Not flammable but highly reactive; capable of igniting finely divided combustible materials on contact. Reacts violently with water and organic materials with evolution of heat. Extremely hazardous in contact with many materials, particularly carbides, chlorates, fulminates, nitrates, picrates, powdered metals, releasing hydrogen. Hydrogen gas can accumulate to explosive concentrations inside confined spaces.

Sensitivity to Chemical Impact: No data
Rate of Burning: No data
Explosive Power: No data
Sensitivity to Static Discharge: No data

4. REACTIVITY DATA

Stability:
Under Normal Conditions: Stable
Under Fire Conditions: Decomposes to SO_x
Hazardous Polymerization: Will not occur

Conditions to Avoid: Temperatures which may have a negative effect on the materials of construction used in equipment.

Materials to Avoid: Contact with organic materials (such as chlorates, carbides, fulminates and picrates) may cause fire and explosions. Contact with metals may produce flammable hydrogen gas.

Hazardous Decomposition or Combustion Products: Toxic gases and vapors (e.g., sulfur dioxide, sulfuric acid vapors and sulfur trioxide) may be released when sulfuric acid decomposes.

5. TOXICOLOGICAL AND HEALTH DATA

Recommended Exposure Limit: ACGIH TLV-TWA (1987-88): 1 mg/m^3
OSHA PEL (1989): 1 mg/m^3

Toxicological Data: LD_{50} (oral, rat) = 2140 mg/kg
LC_{50} (inhalation, rat) = 510 mg/m^3 for 2 hrs

Carcinogenicity Data: Although there are reports linking exposure to sulfuric acid to cancer, this product is not classified by NTP, (National Toxicology Program), not regulated as carcinogenic by OSHA, (Occupational Safety and Health Administration), and has not been evaluated by IARC, (International Agency for Research on Cancer) or ACGIH (American Conference of Governmental Industrial Hygienists).

MARSULEX INC.

MATERIAL SAFETY DATA SHEET

Sulfuric Acid

Index: SPU 001/89C
Date Revised: November 1988

EMERGENCY TELEPHONE NUMBERS
Norwalk, CT (203) 854-0300 Toronto, Ont. (800) 263-9502

HAZARD SUMMARY (29 CFR 1910.1200)

Physical Hazards: Oxidizer, Water-reactive
Health Hazards: Corrosive

1. PRODUCT IDENTIFICATION

Product Name: Sulfuric Acid: Grades; Commercial (93.19/98/99%), Electrolytic
Chemical Name: Sulfuric Acid
Synonyms: Oil of Vitriol, Sulphuric Acid
Chemical Family: Inorganic acid
Molecular Formula: H_2SO_4
Product Use: Used in manufacture of fertilizers, explosives, other acids, metal pickling and petroleum processing.

SHIPPING DESCRIPTION

U.S. (Under DOT)	CANADA (Under TDG)
Shipping Name: RQ Sulfuric Acid	**Shipping Name:** Sulfuric Acid
Hazard Class: Corrosive Material	**Shipping Class/Division:** Class 8 (9.2)
Product Identification No: UN1830	**Product Identification No (PIN):** UN1830
	Packing Group: II

HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	%	ACGIH TLV	OSHA PEL	CAS No.
Sulfuric Acid	60-100	1 mg/m³	1 mg/m³	7664-93-9

2. PHYSICAL PROPERTIES

Physical State: Liquid

Appearance And Odor: Commercial sulfuric acid is a clear to amber, heavy, oily liquid which may have a sharp penetrating SO_2 odor. Electrolytic grade is clear and odorless.

Odor Threshold: No data

Boiling Range (°C):
93.19%: 276°C (529°F); 98%: 330°C (626°F)

Melting/Freezing Point (°C):
93.19%: -29.5°C (-21.1°F); 98%: -1.1°C (30°F)

Vapor Pressure: at 40°C:
93.19%: 0.0016 mmHg; 98%: 0.002 mmHg

Specific Gravity: at 15°C:
93.19%: 1.8354; 98%: 1.8437

Vapor Density: No data, not volatile at normal temperatures.
Bulk Density: Not applicable (See specific gravity).
Evaporation Rate: Not applicable

MATERIAL SAFETY DATA SHEET NIGROSINE SOLVENT DYE

DERMAL...YES
INGESTION...VERY UNLIKELY
HEALTH HAZARD 'ACUTE AND CHRONIC'...TREAT AS DUST IRRITANT.
ORAL LD50 VALUE, RAT...GREATER THAN 30,000 MG/KG. MAY CAUSE EYE AND SKIN IRRITATION.
CARCINOGENICITY
NTP...NO
IARC MONOGRAPH...NO
OSHA REGULATED...NO

SECTION 07 FIRST AID PROCEDURES AND PHYSICIAN NOTES
EMERGENCY AND FIRST AID PROCEDURES
EYES...FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
SKIN...WASH EXPOSED AREA WITH MILD SOAP FOR AT LEAST 15 MINUTES.
INHALATION...REMOVE TO FRESH AIR. CALL A PHYSICIAN.

SECTION 08 SPECIAL HANDLING INFORMATION
CONTROL MEASURES
RESPIRATORY PROTECTION...USE A RESPIRATOR, IF NECESSARY WITH SUITABLE DUST FILTER RECOMMENDED OR APPROVED BY NIOSH/MSHA
VENTILATION
LOCAL EXHAUST...RECOMMENDED TO KEEP AIR CONTAMINANT CONCENTRATION BELOW THE CURRENT OSHA'S PEL AND ACGIH'S TLV.
MECHANICAL...ADEQUATE VENTILATION SYSTEM SHOULD BE PROVIDED TO MINIMIZE ACCUMULATION OF DUST.
PROTECTIVE GLOVES...PLASTIC OR RUBBER GLOVES
EYE PROTECTION...PROPER EYE PROTECTION SHOULD BE WORN IN ANY TYPE OF INDUSTRIAL OPERATION. SAFETY GLASSES.
OTHER PROTECTIVE EQUIPMENTS...SAFETY SHOWER AND EYE BATH. COVERALLS, APRON, BOOTS AS NECESSARY TO PREVENT SKIN CONTACT.
WORK/HYGIENIC PRACTICES...WASH HANDS THOROUGHLY AFTER HANDLING.

SECTION 09 SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION
OTHER PRECAUTIONS...AVOID EXCESSIVE DUST. STORE IN A CLEAN AREA. AVOID BREATHING DUST. FOR INDUSTRIAL USE ONLY.

SECTION 10 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	OTHER	PERCENT
NUISANCE DUST	15 MG/CU.M.			3.0
ANILINE	19 MG/CU.M. 'SKIN'	10 MG/CU.M. 'SKIN'		

SECTION 99 FOOTNOTES
NA IS NOT APPLICABLE

FIRST AID

If inhaled, remove to fresh air immediately. Call a physician. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash clothing before reuse.

If swallowed, do not induce vomiting; give large quantities of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

PROTECTION INFORMATION

GENERALLY APPLICABLE CONTROL MEASURES

Good general ventilation should be provided to keep vapor concentrations below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

When handling containers or operating equipment containing nitric acid, wear the following: chemical splash goggles; acid-proof gauntlet gloves, apron, boots; hard hat with brim; long-sleeve wool, polyester, or acrylic clothing. In case of emergency, or where there is a possibility of considerable exposure, wear a complete acid suit with hood and breathing air supply.

DISPOSAL INFORMATION

AQUATIC TOXICITY

Nitric Acid is moderately toxic (96-hr LC50 = 1-50 mg/L).

SPILL, LEAK OR RELEASE

Evacuate area; keep upwind until gas had dispersed. Wear self-contained breathing apparatus if necessary to enter spill area. Dike large spills. Flush wth plenty of water applied to entire spill area. Neutralize washings with lime or soda ash. Do not flush to sewer before neutralizing. Comply with Federal, State and local regulations on reporting releases.

WASTE DISPOSAL

Comply with Federal, State, and local regulations. If approved, drain neutralized washings to a waste treatment plant or transfer to a disposal contractor.

EXTINGUISHING MEDIA
For fires in area: Water, dry chemical, or soda ash. Use water spray to cool containers and reduce vapors.

SPECIAL FIRE FIGHTING INSTRUCTIONS
Wear full acid protective clothing with self-contained breathing apparatus where possibility of contact with acid or fumes exists. Runoff from fire control may cause pollution.

HEALTH HAZARD INFORMATION

PRINCIPAL HEALTH HAZARDS (Including Significant Routes, Effects, Symptoms of Over-Exposure, and Medical Conditions Aggravated by Exposure)

Liquid and vapor cause severe burns. Harmful if inhaled and may cause delayed lung injury. Spillage may liberate dangerous gas.

Inhalation 1 hour LC50: 115 ppm in rats
Oral LD50: 50-500 mg/kg (species unspecified)

The compound is corrosive to skin and eyes. Toxic effects described in animals from exposure include respiratory irritation, and corrosion of mucosal surfaces. Tests in animals demonstrate no carcinogenic activity.

Human health effects of overexposure may initially include: skin irritation with discomfort or rash; eye irritation with discomfort, tearing, or blurring of vision; and irritation of the upper respiratory passages. Higher exposures may lead to these effects: skin burns or ulceration; eye corrosion with corneal or conjuntival ulceration; and severe irritation of the respiratory passages. Ingestion may cause severe corrosion of mucosal surfaces. Significant skin permeation and systemic toxicity, after contact, appears unlikely. There are no reports of human sensitization. Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures.

CARCINOGENICITY
Not listed as a carcinogen by IARC, NTP, OSHA, ACGIH, or Du Pont.

EXPOSURE LIMITS (PEL (OSHA), TLV (ACGIH), AEL (DU PONT), ETC.)
The OSHA 8-hour Time Weighted Average (TWA) and ACGIH TLV® TWA for nitric acid and nitric oxide are: HNO_3 = 2 ppm, 5 mg/m^3; NO = 25 ppm, 30 mg/m^3; and for nitrogen dioxide are: NO_2 = 5 ppm, 9 mg/m^3 ceiling (OSHA), and 3 ppm, 6 mg/m^3 (ACGIH). The Du Pont Acceptable Exposure Limit (AEL) 8 and 12-hour TWA for nitric acid is 5 mg/m^3, and for nitrogen dioxide is 3 ppm.

SAFETY PRECAUTIONS
Do not breathe vapor.
Do not get in eyes, on skin, on clothing.
Wash thoroughly after handling.

PHYSICAL PROPERTIES

Grade	Boiling Point °C	Boiling Point °F	Melting Point °C	Melting Point °F	Specific Gravity
38° Be Tech.	117	243	-20	-4	1.355
40° Be Tech.	119	246	-24	-12	1.381
42° Be Tech.	120	248	-32	-25	1.408

HAZARDOUS COMPONENTS

MATERIAL(S)	APPROXIMATE %
Nitric Acid:	
38° Be Technical	56.5
40° Be Technical	61.4
42° Be Technical	67.2

HAZARDOUS REACTIVITY

INSTABILITY
Unstable with heat; releases toxic gases.

INCOMPATIBILITY
Reacts vigorously with combustible or readily oxidizable materials, organic solvents, metal powders, carbides, cyanides, sulfides, and alkalies.

DECOMPOSITION
Releases toxic oxides of nitrogen.

POLYMERIZATION
Will not occur.

FIRE AND EXPLOSION DATA

FLASH POINT Nonflammable, but can ignite some combustible materials.

FLAMMABLE LIMITS IN AIR, % BY VOL.
LOWER Not applicable.
UPPER Not applicable.

AUTOIGNITION TEMPERATURE
Will not burn.

AUTODECOMPOSITION TEMPERATURE
Will not burn.

FIRE AND EXPLOSION HAZARDS
Nitric Acid increases the flammability of, and can ignite many organic materials such as wood, solvents, etc., and can release toxic oxides of nitrogen. Spillage may cause fire.

DU PONT

JONES CHEMICALS, INC.
100 SUNNY SOL BLVD.
CALEDONIA, N.Y. 14423

MATERIAL SAFETY DATA SHEET

184

IDENTIFICATION

NAME
Nitric Acid

GRADE
38°, 40°, 42° Be Technical

SYNONYMS
Weak Nitric Acid

CAS NAME
Nitric Acid

ID. NOS./CODES
NIOSH Registry No: QU 5775000

MANUFACTURER/DISTRIBUTOR
E. I. du Pont de Nemours & Co. (Inc.)

ADDRESS
Wilmington, DE 19898

CHEMICAL FAMILY
Inorganic Acid

FORMULA
HNO_3

CAS REGISTRY NO.
7697-37-2

PRODUCT INFORMATION PHONE
(800) 441-9442

MEDICAL EMERGENCY PHONE
(800) 441-3637

TRANSPORTATION EMERGENCY PHONE
CHEMTREC (800) 424-9300

PHYSICAL DATA

BOILING POINT, 760 mm Hg
117 to 120°C (243 to 248°F)
See page 2 for specific grades.

SPECIFIC GRAVITY
1.35 to 1.40
See page 2 for specific grades.

VAPOR DENSITY
1 (same as air)

pH INFORMATION
~1

FORM
Liquid

COLOR
Colorless to light brown.

MELTING POINT
-20 to -32°C (-4 to -25°F)
See page 2 for specific grades.

VAPOR PRESSURE
9 to 10 mm Hg at 25°C (77°F)
19 to 20 mm Hg at 38°C (100°F)

SOLUBILITY IN WATER
100%

EVAPORATION RATE (BUTYL ACETATE=1)
~1

APPEARANCE
Clear

ODOR
Acrid

E-79960 Date: 10/85

WARNING LABEL INFORMATION (Continued)

HANDLING AND STORAGE:

Considerable heat is generated when product is mixed with water. Therefore, when making solutions always carefully follow these steps:

ALWAYS wear ALL protective clothing described above. NEVER add water to product. ALWAYS add product - with constant stirring - slowly to surface of lukewarm (80-100°F) water, to assure product is being completely dissolved as it is added.

If product is added too rapidly, or without stirring, and becomes concentrated at bottom of mixing vessel, excessive heat may be generated, resulting in DANGEROUS boiling and spattering, and a possible IMMEDIATE AND VIOLENT ERUPTION of highly caustic solution.

NOTE: 50 pounds of product dissolved in 30 gallons of 90°F water will raise temperature of resulting solution to approximately 180°F. Never add more product than can be absorbed by solution while maintaining temperature below 200°F (@ sea level) to prevent boiling and spattering.

Product can react EXPLOSIVELY with acids, aldehydes, and many other organic chemicals - when mixing product with solutions containing such chemicals, follow all of above mixing instructions, and add product very gradually, while stirring constantly.

ALWAYS empty and clean containers of all residues before adding product, to avoid possible EXPLOSIVE reaction between product and unknown residue.

Returnable containers should be shipped in accordance with supplier's recommendations. Return shipments should comply with all federal, state, and DOT regulations. All residual caustic soda should be removed from containers prior to disposal.

DISPOSAL

The materials resulting from clean-up operations may be hazardous wastes and, therefore, subject to specific regulations. Package, store transport, and dispose of all clean-up materials and any contaminated equipment in accordance with all applicable federal, state, and local health environmental regulations. Shipments of waste materials may be subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of each waste material and should be performed by competent and properly permitted contractors. Ensure that all responsible federal, state, and local agencies receive proper notification of disposal.

INFORMATION REQUIRED BY FEDERAL, STATE OR LOCAL REGULATIONS:

This product contains:

CAS#	NAME
1310732	Sodium hydroxide (Na(OH))
497198	Carbonic acid disodium salt
7647145	Sodium chloride (NaCl)

HMIS RATING SYSTEM: HEALTH 3 FLAMMABILITY 0 REACTIVITY 2

FOR INDUSTRIAL USE ONLY LABEL 040M4820

IX. ENVIRONMENTAL PROCEDURES (Continued)

WASTE DISPOSAL METHOD:

The materials resulting from clean-up operations may be hazardous waste and, therefore, subject to specific regulations. Package, store, transport, and dispose of all clean-up materials and any contaminated equipment in accordance with all applicable federal, state, and local health environmental regulation. Shipments of waste materials are subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of each waste material and should be performed by competent and properly permitted contractors. Ensure that all responsible federal, state, and local agencies receive proper notification of spill and disposal methods.

X. ADDITIONAL INFORMATION

OSHA Standard 29CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Material Safety Data Sheet available to your employees.

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section I. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.

XI. PREPARATION INFORMATION

For additional Non-Emergency health, safety, or environmental information telephone (716) 286-3081, or write to:

Occidental Chemical Corporation
Product Stewardship Department
Suite 400
360 Rainbow Boulevard South
Niagara Falls, NY 14302

For Emergencies: 24 HOUR EMERGENCY PHONE: (716) 278-7021

This MSDS replaces MSDS : M4820. dated 05-11-89.

VI. PHYSICAL DATA

BOILING POINT @ 760 mm Hg: 1388°C

FREEZING POINT: 318°C

VAPOR PRESSURE: 42 mm Hg @ 1000°C

SPECIFIC GRAVITY (H_2O=1): 2.13 @ 20°C

SOLUBILITY IN H_2O % BY WT: Completely Soluble

VAPOR DENSITY (Air=1): NA

APPEARANCE AND ODOR: Clear white solid with no distinct odor.

pH: 0.01 moles/liter has pH. 12.0

VII. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY:

Under normal conditions of use, this material is stable.

INCOMPATIBILITY:

See Section VIII. Avoid contact with water. This product may be added slowly to water or acids with dilution and constant stirring to avoid a violent exothermic reaction. When handling this product, avoid contact with aluminum, tin, zinc, and alloys containing these metals. Do not mix with strong acids without dilution and agitation to prevent violent or explosive reaction. Avoid contact with leather, wool, acids, organic halogen compounds, and organic nitro compounds.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:

Not known to polymerize.

VIII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS:

Do not get into eyes, on skin, on clothing.
Avoid breathing dust, mists, or spray.
Do not take internally.
Use with adequate ventilation and employ respiratory protection when exposure to dust, mist or spray is possible.
When handling, wear chemical splash goggles, face shield, rubber gloves and protective clothing.
Wash thoroughly after handling or contact - exposure can cause burns which are not immediately painful or visible.
Keep container closed.
Product can react violently with water, acids, and other substances - read Special Mixing and Handling Instructions below carefully before using.
Product is corrosive to tin, aluminum, zinc and alloys containing these metals, and will react violently with these metals in powder form.
Hazardous carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and can cause death. Follow appropriate tank entry procedures (ANSI Z117.1-1977).

III. IMPORTANT COMPONENTS

CAS NUMBER / NAME
1310732 Sodium hydroxide (Na(OH))

EXPOSURE LIMITS
PEL=2 mg/m3, Ceiling
TLV=2 mg/m3, Ceiling

PERCENTAGE
VOL ND
WT 97.10-98.20

COMMON NAMES:
CAUSTIC SODA

Listed On(List Legend Below):
13 18 21

497198 Carbonic acid disodium salt

EXPOSURE LIMITS
PEL=Not Established
TLV=Not Established

PERCENTAGE
VOL ND
WT 0.40-1

COMMON NAMES:
SODA ASH
SODIUM CARBONATE

Listed On(List Legend Below):
23

7647145 Sodium chloride (NaCl)

EXPOSURE LIMITS
PEL=Not Established
TLV=Not Established

PERCENTAGE
VOL ND
WT 0.90-1.20

COMMON NAMES:
SALT

Listed On(List Legend Below):
23

See Section II
All components of this product that are required to be on the TSCA Inventory are listed on the inventory.
Not listed as carcinogen - IARC, NTP, OSHA

LIST LEGEND
13 PA ENVIROMENTAL HAZ SUBSTANCE
18 NY HAZARDOUS SUBSTANCES
21 NJ SPECIAL HEALTH HAZ SUB
23 NJ REQUIREMENT- 1% OR GREATER

OxyChem®

MATERIAL SAFETY DATA SHEET

MSDS NUMBER : M4820

MSDS DATE : 04-09-90

PRODUCT NAME : CAUSTIC SODA-BEADS

24 HOUR EMERGENCY PHONE: (716) 278-7021

I. PRODUCT IDENTIFICATION

HMIS HAZARD RATINGS

HEALTH HAZARD 3 **FIRE HAZARD 0** **REACTIVITY 2**

Based on the National Paint & Coatings Association HMIS rating system.

SARA/TITLE III HAZARD CATEGORIES (See Section X)

Immediate (ACUTE) Health: YES
Delayed (Chronic) Health: NO
Fire Hazard: NO
Reactive Hazard: YES
Sudden Release of Pressure: NO

MANUFACTURER'S NAME AND ADDRESS : Occidental Chemical Corporation, Customer Service, Occidental Tower, P O Box 809050, Dallas, Texas 75380 Telephone (1-800-752-5151)

CHEMICAL NAME: Sodium hydroxide CAS NUMBER: 1310-73-2

SYNONYMS/COMMON NAMES: Sodium Hydroxide-Dry

CHEMICAL FORMULA: NaOH

DOT PROPER SHIPPING NAME: Sodium Hydroxide, dry

DOT HAZARD CLASS: Corrosive material

DOT I.D. NUMBER: UN1823

DOT HAZARDOUS SUBSTANCE: RQ 1000#

II. HEALTH HAZARD INFORMATION

EMERGENCY AND FIRST AID PROCEDURES

EYES:

OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY THEN SEEK MEDICAL ATTENTION. IMMEDIATELY flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. SEEK MEDICAL ATTENTION IMMEDIATELY.

PROCEDURES: Wear personal protective equipment (See Section VIII). Carefully clean up spilled material and place in dry containers for disposal. Avoid dust generation.

WASTE DISPOSAL METHOD: Dispose of in accordance with Local State and Federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY: If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH-approved dust/mist respirator.

EYEWEAR: Wear chemical safety goggles.

CLOTHING/GLOVES: If potential for skin contact exists, wear neoprene or other chemical resistant gloves and apron or coveralls and/or foot coverings, as needed.

VENTILATION: Local exhaust may be necessary for some handling/use conditions. Specific needs should be addressed by supervisory or health/safety personnel.

SECTION IX - SPECIAL PRECAUTIONS

CORROSIVE. Store in closed container in dry, well-ventilated area. NOTE:IF DILUTING (OR DISSOLVING) ALWAYS ADD THIS PROQUCT TO WATER SLOWLY AND WITH CONSTANT STIRRING. This product does not contain any carcinogens (at 0.1% or greater) as defined by IARC, NTP, or OSHA.

APPROVAL Michael Chang Mgr. Health & Environmental Dept. 03/23/1992

NAME TITLE DATE

NA - Not Applicable NE - Not Established

FLASH POINT (Method Used): None
FLAMMABLE LIMITS: LEL: NA UEL: NA

EXTINGUISHING MEDIA: Use media suitable for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Carbon dioxide, dry chemical, or foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Wear Self-Contained Breathing Apparatus (SCBA).

SECTION V - HEALTH HAZARD INFORMATION

ROUTE(S) OF ENTRY:	INHALATION:	SKIN:	INGESTION:
	X	X	X

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known
SYMPTOMS/EFFECTS OF OVEREXPOSURE:
Severe irritation of the nose, mouth, and respiratory tract; coughing, difficulty breathing; chemical pneumonitis. Severe skin irritation and burns. Eye contact causes severe or permanent damage.

FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.

SKIN: Immediately remove contaminated clothing. Wash skin with large amounts of water for at least 15 minutes. Get prompt medical attention. Wash clothing before reuse.

INGESTION: Contact local poison control center or physician IMMEDIATELY!

INHALATION: Move victim to fresh air and restore breathing if necessary. Stay with victim until emergency medical help arrives.

SECTION VI - REACTIVITY DATA

STABILITY: NORMALLY STABLE
INCOMPATIBLE MATERIALS: Acids, Hot water. Contact with certain metals may yield explosive hydrogen gas.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen.

SECTION VII - SPILL OR LEAK PROCEDURES

NA - Not Applicable

NE - Not Established

Oakite

1600

MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 1600
OAKITE 160
60-U-161

HMIS 3 0 1 F

SECTION I

TRADE NAME	OAKITE 160	EMERGENCY TELEPHONE NUMBER: (800) 424-9300 (CHEMTREC)
CHEMICAL NAME AND SYNONYMS	NA; Mixture	
MANUFACTURER'S NAME AND TELEPHONE NO.	OAKITE PRODUCTS INC. (908) 464-6900 (8am-5pm)	
ADDRESS	50 Valley Road Berkeley Heights NJ 07922	

SECTION II - HAZARDOUS INGREDIENTS

	CAS NO.	% BY WT	TLV	PEL	UNITS
Sodium hydroxide -(ceiling)	0001310732	80-90	2	2	mg/m^3
Sodium carbonate	0000497198	<10	NE	NE	
Non-hazardous ingredients		Bal.			

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29 CFR 1910.1200).

All component of this material are on the US TSCA Inventory.

SECTION III - PHYSICAL DATA

BOILING POINT (F)	NA	SPECIFIC GRAVITY (H20=1)	1.17
VAPOR PRESSURE (mm Hg)	NA	Bulk Density	
VAPOR DENSITY (Air=1)	NA	PERCENT VOLATILE	
SOLUBILITY IN WATER	Appreciable	BY VOLUME(%) Excludes H2O	NA
EVAPORATION RATE	NA	PH 4% solution	13.5
APPEARANCE AND ODOR	White powder; odorless.	Concentrate	NA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

NA - Not Applicable

NE - Not Established

Application Review Report

Facility Name: Rocheser Steel Treating Works
Source Number: 261400 0761 RST01
Date: 01-Jun-93
Time: 10:35 AM
Reviewed By: C. Wylie

Stach Height = 15

Co = (4218 X HER)/He^2.16
Ca = (.482 X AER)/He^2.16
Cst= Co X 420

Name	CAS Number	SGC	AGC	Toxicity	Hourly Emissions	Annual Emissions	Co	Ca	Cst
	01310-73-2				0.076	152.000	0.923768	0.211122	387.982
Sodium carbonate	00497-19-8	0.00000	50.00000000	LOW	0.008	15.200	0.097238	0.021112	40.84028
	07757-82-6				0.006	12.000	0.072929	0.016667	30.63021
	07722-88-5				0.002	37.600	0.023094	0.052224	9.699566
PEG octylphenylether	09036-19-5	0.00000	200.00000000	LOW	0.012	24.000	0.145858	0.033335	61.26042
Hydrogen chloride	07647-01-0	150.00000	7.00000000	LOW	0.013	10.400	0.158012	0.014445	66.36545
Sodium nitrite	07632-00-0	0.00000	4.10000000	HIGH	0.008	16.000	0.097238	0.022223	40.84028
Sodium nitrate	07631-99-4	0.00000	50.00000000	MODERATE	0.073	58.000	0.887303	0.080559	372.6675
13138-45-9	13478-00-7				0.001	0.264	0.012154	0.000366	5.105035
Butylcarbitol	00112-34-5	7700.00000	77.00000000	MODERATE	0.028	22.400	0.340335	0.031112	142.9409
	64742-52-5				0.060	120.000	0.729290	0.166675	306.3021

49611

OP | LOCATION | FACILITY | EMISSION POINT | UNIT I.D

																										I		

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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SEC H

175 EMISSION POINT I D	176 UNIT I D
R S T Ø 1	Ø 5

STATE OF NEW YORK CLARK ADVANCE LICENSED PROFESSIONAL ENGINEER 058445

5/7/93

177 SOURCE CODE	178 HRS/DAY	179 DAYS/YR	180 % OPERATION BY SEASON Winter	Spring	Summer	Fall
	8	250	25	25	25	25

SEC I

181. DESCRIBE PROCESS OR UNIT

1. 3. Hot oil tank. 5. 7.

2. 4. 6. 8.

SEC J

EMISSION CONTROL EQUIPMENT I D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
182	183	184	185	186	187
188	189	190	191	192	193

SECTION K

CALCULATIONS

See attached calculations sheet.

CONTAMINANT NAME	CONTAMINANT CAS NUMBER	INPUT OR PRODUCTION	UNIT	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET	% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR) ERP	HOURLY EMISSIONS (LBS/HR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) ID*
194 butyl carbitol	195 Ø Ø 1 1 2 _ 3 4 _ 5	196	197	198 11.2	199 2	200 9	201 60	202 Ø.Ø28	203 Ø.Ø11	204 22.4	205 Ø
206 napthanic oil	207 6 4 7 4 2 _ 5 2 _ 5	208	209	210 Ø.06	211 1	212 9	213 60	214 Ø.148	215 Ø.Ø6	216 120	217 Ø
218	219	220	221	222	223	224	225	226	227	228	229
230	231	232	233	234	235	236	237	238	239	240	241

EMISSIONS CALCULATIONS - RST01.05

Metal parts are dipped in a 30% Lab Oil #100 rust preventative solution. It is estimated that this heated bath emits 50 ppm of an oil mist which is of a composition similar to the bath. The mist is conveyed to a stainless steel mesh filter with a manufacturer's efficiency rating of 60%. Lab Oil #100 is composed, by weight, of 10% butyl carbitol and 70% napthenic oil.

ERP butyl carbitol:

$$\text{Lb/hr} = \frac{(50\text{ ppm})(162.23)(733)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.30 \times 0.10 = 0.028\text{ lb/hr}$$

Actual butyl carbitol Emissions:

Lb/hr = 0.028 lb/hr x 0.40 = 0.0112 lb/hr
Lb/yr = 0.0112 lb/hr x 2000 hrs/yr = 22.4 lbs/yr

ERP Napthenic oil:

$$\text{Lb/hr} = \frac{(50\text{ ppm})(123.11)(733)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.30 \times 0.70 = 0.148\text{ lb/hr}$$

Actual Napthenic oil Emissions:

Lb/hr = 0.148 lb/hr x 0.40 = 0.06 lb/hr
Lb/yr = 0.06 lb/hr x 2000 hrs/yr = 120.0 lbs/yr

49611

OP	LOCATION	FACILITY	EMISSION POINT	UNIT I.D.
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STATE OF NEW YORK CLARK PRICE LICENSED PROFESSIONAL ENGINEER 049446

5/7/93

SEC. H

175 EMISSION POINT I.D	176 UNIT I.D
R 6 1 0 1	0 4

177 SOURCE CODE	178 HRS/DAY	179 DAYS/YR	180 % OPERATION BY SEASON: Winter	Spring	Summer	Fall
	8	250	25	25	25	25

SEC. I

181 DESCRIBE PROCESS OR UNIT		
	1.	2.
	3. Warm water rinse tank.	4.
	5.	6.
	7.	8.

SEC. J

EMISSION CONTROL EQUIPMENT I.D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
182	183	184	185	186	187
188	189	190	191	192	193

SECTION K

CALCULATIONS

Metal parts are rinsed in a warm water bath. It is assumed that the bath emits water vapor, only, to the tank exhaust.

CONTAMINANT NAME	CONTAMINANT CAS NUMBER	INPUT OR PRODUCTION	UNIT	EMISSIONS ACTUAL	EMISSIONS UNIT	HOW DET	% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR) ERP	HOURLY EMISSIONS (LBS/HR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) IC [1]
194 None	195 - -	196	197	198	199	200	201	202	203	204	205
206	207 - -	208	209	210	211	212	213	214	215	216	217
218	219 - -	220	221	222	223	224	225	226	227	228	229
230	231	232	233	234	235	236	237	238	239	240	241

OP	LOCATION	FACILITY	EMISSION POINT	UNIT I.D.
				I

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STATE OF NEW YORK CLARK K. PRICE 068446 LICENSED PROFESSIONAL ENGINEER

5/7/13

SEC. H

175. EMISSION POINT I.D	176. UNIT I.D.
RSTØ1	Ø3

177. SOURCE CODE	178. HRS/DAY	179. DAYS/YR	180. % OPERATION BY SEASON Winter	Spring	Summer	Fall
	8	250	25	25	25	25

SEC. I

181. DESCRIBE PROCESS OR UNIT		
	1.	2.
	3. Penetrate tank	4.
	5.	6.
	7.	8.

SEC. J

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
182	183	184	185	186 /	187
188	189	190	191	192. /	193

SECTION K

CALCULATIONS

See attached calculations sheet.

SECTION L

CONTAMINANT NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	EMISSIONS ACTUAL	UNIT	HOW DET.	% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR) ERP	ACTUAL	ANNUAL EMISSIONS (LBS/YR) ACTUAL	10^x
194	195	196	197	198	199	200	201	202	203	204	205
206 Sodium hydroxide	207 1310-73-2	208	209	210 .073	211 lb	212 C	213 60	214 .183	215 .073	216 146.4	217 Ø
218 Sodium nitrite	219 7632-00-0	220	221	222 .008	223 lb	224 C	225 60	226 .02	227 .008	228 16	229 Ø
230 Sodium nitrate	231 7631-99-4	232	233	234 .029	235 lb	236 C	237 60	238 .073	239 .029	240 58	241 Ø
242 Nickel nitrate	243 3478-00-7	244	245	246 .132	247 lb	248 C	249 60	250 .001	251 .001	252 .264	253 Ø
254	255	256	257	258	259	260	261	262	263	264	265

EMISSIONS CALCULATIONS - RST01.03

Metal parts are blackened in a 50% Nickel Penetrate solution. It is estimated that this hot bath emits 100 ppm of a nickel penetrate mist which is of a composition similar to the bath. The mist is conveyed to a stainless steel mesh filter with a manufacturer's efficiency rating of 60%.

Nickel Penetrate is composed, by weight, of 80% sodium hydroxide, 5% sodium nitrite, 15% sodium nitrate and <0.02% nickel nitrate.

ERP sodium hydroxide:

$$\text{Lb/hr} = \frac{(100\text{ ppm})(40)(733)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.50 \times 0.80 = 0.183\text{ lb/hr}$$

Actual sodium hydroxide Emissions:

Lb/hr = 0.183 lb/hr x 0.40 = 0.073 lb/hr
Lb/yr = 0.073 lb/hr x 2000 hrs/yr = 146.4 lbs/yr

ERP sodium nitrite:

$$\text{Lb/hr} = \frac{(100\text{ ppm})\ (69)\ (733)\ (60\text{ min/hr})}{385.1 \times 10^6} \times 0.50 \times 0.05 = 0.02\text{ lb/hr}$$

Actual sodium nitrite Emissions:

Lb/hr = 0.02 lb/hr x 0.40 = 0.008 lb/hr
Lb/yr = 0.008 lb/hr x 2000 hrs/yr = 16.0 lbs/yr

ERP sodium nitrate:

$$\text{Lb/hr} = \frac{(100\text{ ppm})\ (84.99)(733)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.50 \times 0.15 = 0.073\text{ lb/hr}$$

Actual sodium nitrate Emissions:

Lb/hr = 0.073 lb/hr x 0.40 = 0.029 lb/hr
Lb/yr = 0.029 lb/hr x 2000 hr/yr = 58.0 lbs/yr

ERP nickel nitrate:

$$\text{Lb/hr} = \frac{(100\text{ ppm})\ (290.81)(733)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.50 \times 0.0002 = 0.00033\text{ lb/hr}$$

Actual nickel nitrate Emissions:

Lb/hr = 0.00033 lb/hr x 0.40 = 0.000132 lb/hr
Lb/yr = 0.000132 lb/hr x 2000 hrs/yr = 0.264 lbs/yr

KM394

49611

OP	LOCATION	FACILITY	EMISSION POINT	UNIT I.D
				I

NEW YORK STATE
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STATE OF NEW YORK CLARK K. PRICE 049448 LICENSED PROFESSIONAL ENGINEER

5/1/93

SECT. H

175 EMISSION POINT I.D	176 UNIT I.D
0 0 4 0 1	0 2

177 SOURCE CODE	178 HRS/DAY	179 DAYS/YR	180 % OPERATION BY SEASON Winter	Spring	Summer	Fall
	8	250	25	25	25	25

SECT. I

181 DESCRIBE PROCESS OR UNIT					
	1		2		
	3 Acid Tank		4		
	5		6		
	7		8		

SECT. J

EMISSION CONTROL EQUIPMENT I.D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
182	183	184	185	186	187
188	189	190	191	192	193

SECTION K

CALCULATIONS This tank contains a 31.4% hydrochloric acid solution used for neutralization. It is estimated that this ambient temperature bath emits 10 ppm of hydrochloric acid mist which is of a composition similar to the bath. The mist is conveyed to a stainless steel mesh filter with a manufacturer's efficiency rating of 60%.

ERP hydrochloric acid: $\frac{(10 \text{ ppm})(36.46)(733)(60 \text{ min/hr})}{385.1 \times 10^6} \times 0.314 = 0.013 \text{ lb/hr}$

Actual Emissions:
Lb/hr - 0.013 lb/hr x 0.40 = 0.0052 lb/hr
Lb/yr = 0.0052 lb/hr x 2000 hrs/yr = 10.4 lbs/yr

SECTION L

CONTAMINANT NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	EMISSIONS ACTUAL	UNIT	HOW DET.	% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR) ERP	ACTUAL	ANNUAL EMISSIONS (LBS/YR) ACTUAL	10*
194 hydrochloric acid	195 0 7 6 4 7 0 1	196 0	197	198 5.2	199 2	200 9	201 60	202 0.013	203 0.005	204 10.4	205 0
206	207	208	209	210	211	212	213	214	215	216	217
218	219	220	221	222	223	224	225	226	227	228	229

OP	LOCATION						FACILITY						EMISSION POINT			UNIT I.D.	
																I	

NEW YORK STATE
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PLEASE PRINT OR TYPE

STATE OF NEW YORK CLARK K. PRICE LICENSED PROFESSIONAL ENGINEER 068448

5/7/93

SEC. H

175 EMISSION POINT I D	176 UNIT I.D.
0 0 1 0 1	0 1

177. SOURCE CODE	178 HRS/DAY	179 DAYS/YR	180 % OPERATION BY SEASON Winter	Spring	Summer	Fall
	8	250	25	25	25	25

SEC. I

181. DESCRIBE PROCESS OR UNIT

1.
3. Soak Clean Tank
5.
7.
2.
4.
6.
8.

SEC. J

EMISSION CONTROL EQUIPMENT I D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
182	183	184	185	186 /	187
188	189	190	191	192 /	193

SECTION K

CALCULATIONS

See attached calculations sheet.

SECTION L

CONTAMINANT NAME	CONTAMINANT CAS NUMBER	INPUT OR PRODUCTION	UNIT	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOW DET.	% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR) ERP	HOURLY EMISSIONS (LBS/HR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) IO*
194	195	196	197	198	199	200	201	202	203	204	205
206 ~~Sodium hydroxide~~	~~0 1 3 1 0 7 3 2~~ 297	208	209	210 2.8	2 211	9 212	60 213	0.007 214	0.003 215	5.6 216	0 217
218 ~~Sodium carbonate~~	~~0 0 4 9 7 1 9 8~~ 219	220	221	222 7.6	2 223	9 224	60 225	0.019 226	0.008 227	15.2 228	0 229
230 ~~Sodium sulfate~~	~~0 7 7 5 7 8 2 6~~ 231	232	233	234 0.006	1 235	9 236	60 237	0.015 238	0.006 239	12.0 240	0 241
242 ~~Tetrasodium pyrophosphate~~	~~0 7 7 2 2 8 8 5~~ 243	244	245	246 ~~18.8~~	2 247	9 248	~~60~~ 249	0.047 250	0.019 251	37.6 252	0 253
Nonionic surfactant	0 9 0 3 6 1 9 5			0.012	1 259	9 260	60 261	0.03 262	0.012 263	24.0 264	0 265
254	255	256	257	258							

EMISSIONS CALCULATIONS - RST01.01 continued

ERP nonionic surfactant:

$$LB/hr = \frac{(50\ ppm)\ (426.6)\ (733)\ (60\ min/hr)}{385.1 \times 10^6} \times 0.125 \times 0.10 = 0.03\ lb/hr$$

Actual nonionic surfactant Emissions:

Lb/hr = 0.03 lb/hr x 0.40 = 0.012 lb/hr
Lb/yr = 0.012 lb/hr x 2000 hr/yr = 24.0 lbs/yr

EMISSIONS CALCULATIONS - RST01.01

Metal parts are soak cleaned in a 12.5% Unikleen DW solution. It is estimated that the heated bath emits 50 ppm of a caustic mist which is of a composition similar to the bath. The mist is conveyed to a stainless steel mesh filter with a manufacturer's efficiency rating of 60%.

Unikleen DW is composed, by weight, of 25% sodium hydroxide, 25% sodium carbonate, 15% sodium sulfate, 25% tetrasodium pyrophosphate and 10% nonionic surfactant.

ERP sodium hydroxide:

$$\text{Lb/hr} = \frac{(50\text{ppm})(40)(733)(60\text{min/hr})}{385.1 \times 10^6} \times 0.125 \times 0.25 = 0.007 \text{ lb/hr}$$

Actual sodium hydroxide Emissions:

Lb/hr = 0.007 lb/hr x 0.40 = 0.0028 lb/hr
Lb/yr = 0.0028 lb/hr x 2000 hrs/yr = 5.6 lbs/yr

ERP sodium carbonate:

$$\text{Lb/hr} = \frac{(50\text{ ppm})(105.99)(733)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.125 \times 0.25 = 0.019 \text{ lb/hr}$$

Actual sodium carbonate Emissions:

Lb/hr = 0.019 lb/hr x 0.40 = 0.0076 lb/hr
Lb/yr = 0.0076 lb/hr x 2000 hrs/yr = 15.2 lbs/yr

ERP sodium sulfate:

$$\text{Lb/hr} = \frac{(50\text{ ppm})(142.04)(733)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.125 \times 0.15 = 0.015 \text{ lb/hr}$$

Actual sodium sulfate Emissions:

Lb/hr = 0.015 lb/hr x 0.40 = 0.006 lb/hr
Lb/yr = 0.006 lb/hr x 2000 hrs/yr = 12.0 lbs/yr

ERP tetrasodium pyrophosphate:

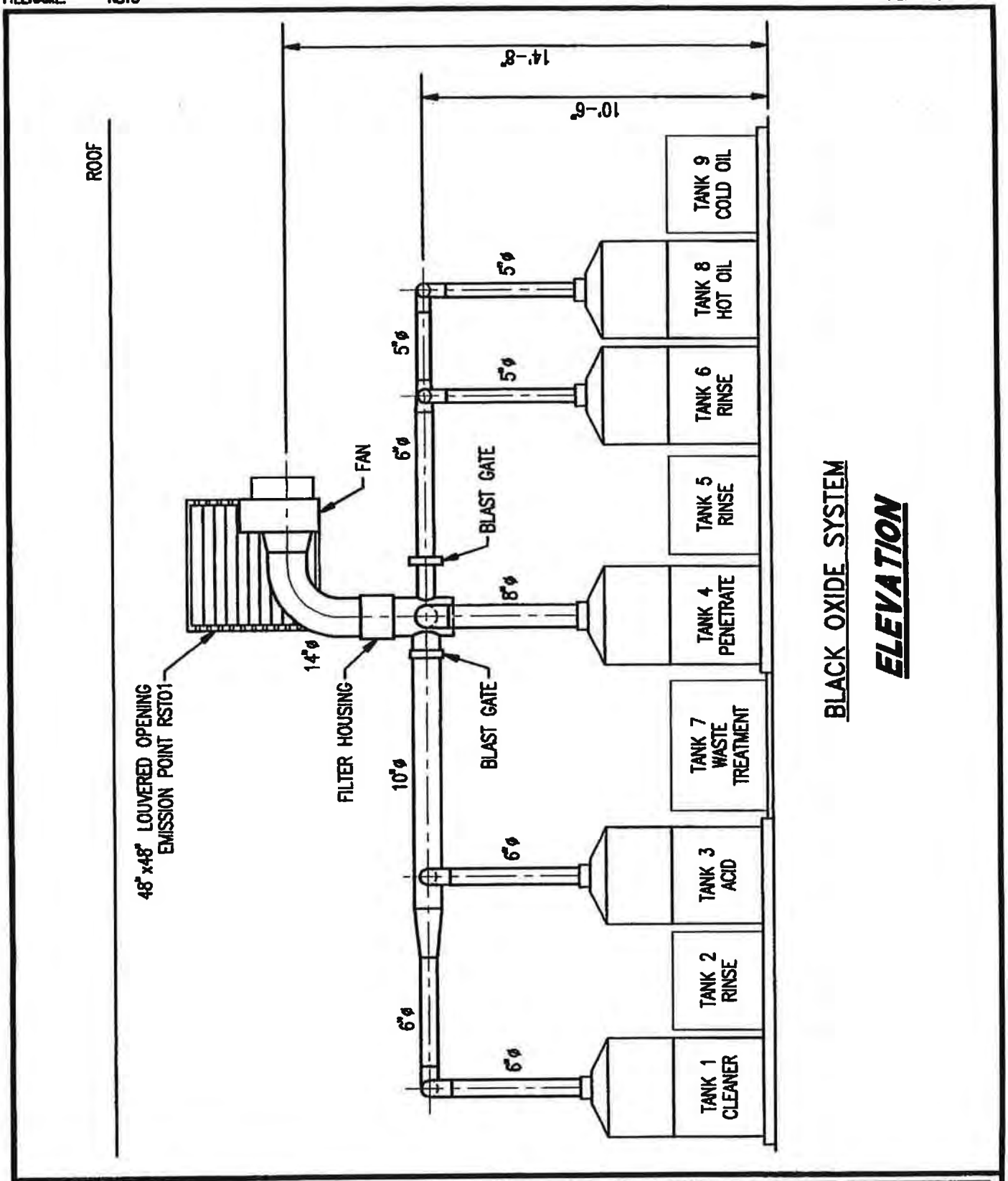
$$\text{Lb/hr} = \frac{(50\text{ ppm})(265.9)(733)(60\text{ min/hr})}{385.1 \times 10^6} \times 0.125 \times 0.25 = 0.047 \text{ lb/hr}$$

Actual tetrasodium pyrophosphate Emissions:

Lb/hr = 0.047 lb/hr x 0.40 = 0.0188 lb/hr
Lb/yr = 0.0188 lb/hr x 2000 hrs/yr = 37.6 lbs/yr

TIME PLOTTED: MON MAY 3, 11:55:00 1993
FILENAME: RST8

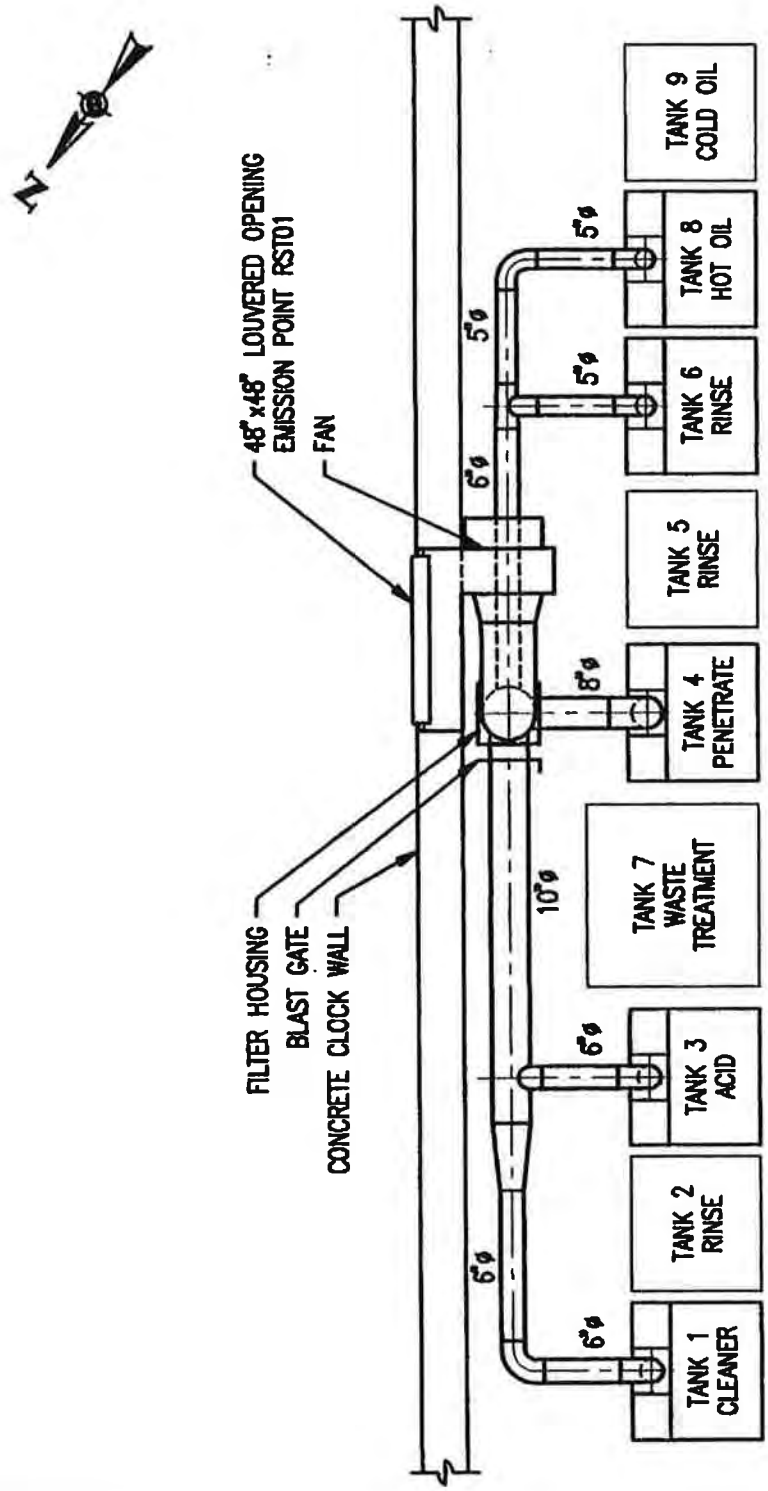
REF1: BORDER7
REF2: RST4
REF3: REF3



PROJECT NO. 93-1833i FIGURE IC1.8 SHEET 8 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE ELEVATION EMISSION POINT RST01	DAY ENGINEERING, P.C. ENVIRONMENTAL ENGINEERING CONSULTANTS ROCHESTER, NEW YORK	DATE 5/3/93 DRAWN BY RJM SCALE 1/4"=1'-0"

TIME PLOTTED: MON MAY 3, 11:55:00 1993
FILENAME: RST5

REF1: BORDER7
REF2: RST3
REF3: REF3



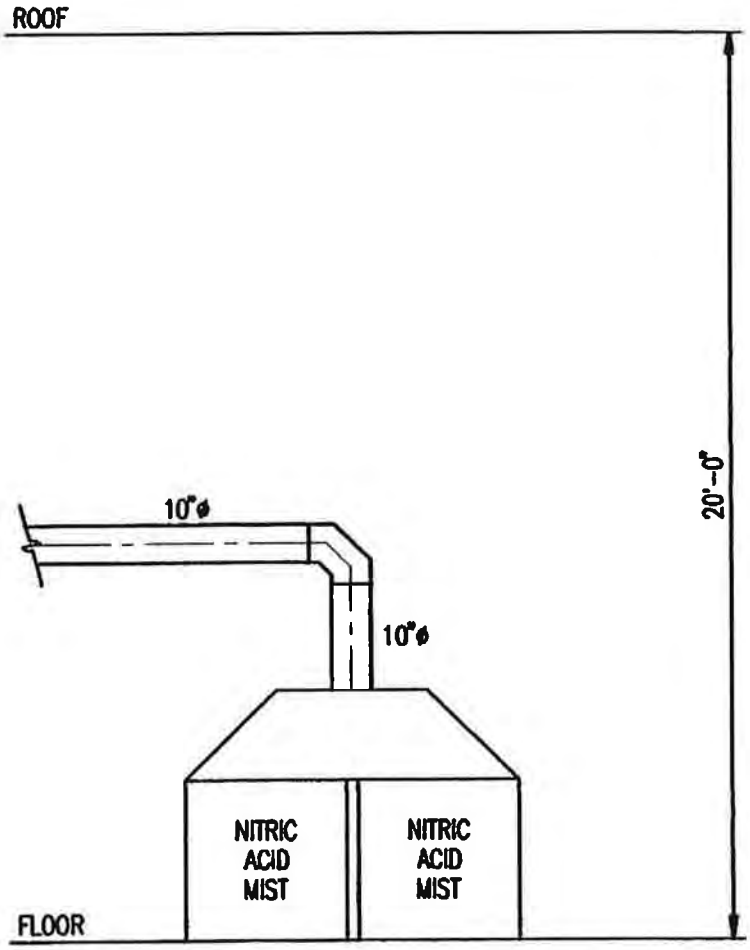
BLACK OXIDE SYSTEM

PLAN

PROJECT NO. 93-1833i FIGURE IC1.7 SHEET 7 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE PLAN EMISSION POINT RST01	**DAY ENGINEERING, P.C.** *ENVIRONMENTAL ENGINEERING CONSULTANTS* *ROCHESTER, NEW YORK*	DATE 5/3/93 DRAWN BY RJM SCALE 1/4"=1'-0"

TIME PLOTTED: MON MAY 3, 11:55:00 1993
FILENAME: RST16

REF1: BORDER7
REF2: RST12
REF3: REF3



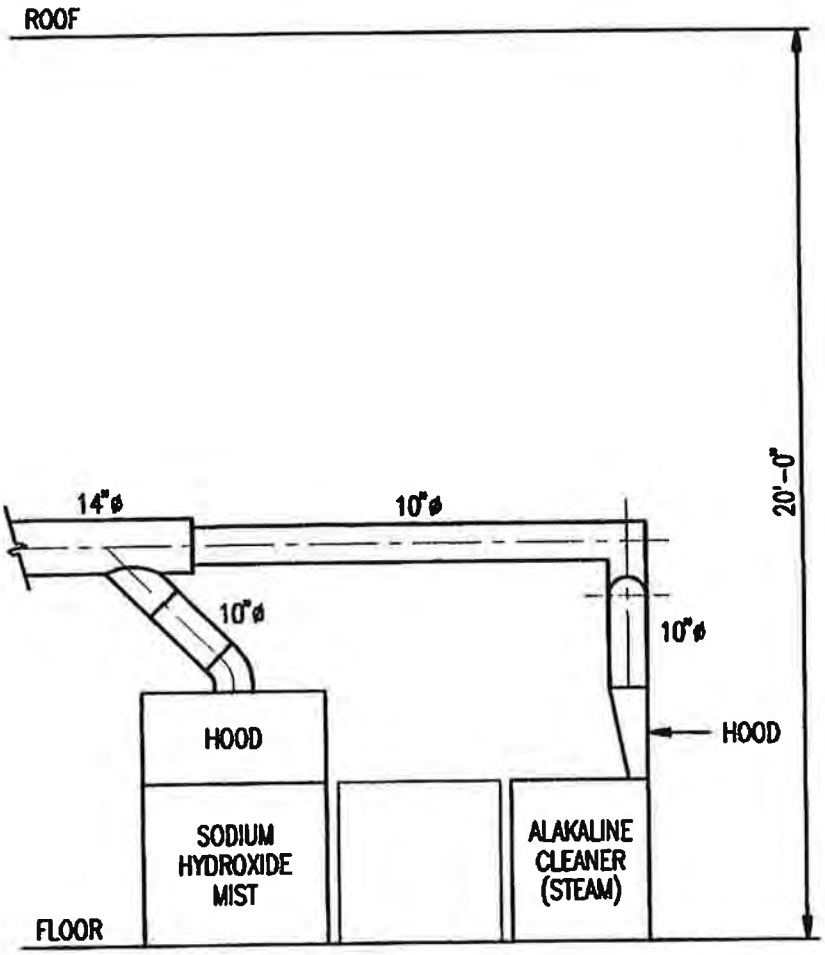
ALUMINUM ANODIZING SYSTEM

ELEVATION D-D

PROJECT NO. 93-1833i FIGURE IC1.6 SHEET 6 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE ELEVATION D-D EMISSION POINT RST02	**DAY ENGINEERING, P.C.** *ENVIRONMENTAL ENGINEERING CONSULTANTS* *ROCHESTER, NEW YORK*	DATE 5/3/93 DRAWN BY RJM SCALE NO SCALE

TIME PLOTTED: MON MAY 3, 11:50:00 1993
FILENAME: RST15

REF1: BORDER7
REF2: RST11
REF3: REF3



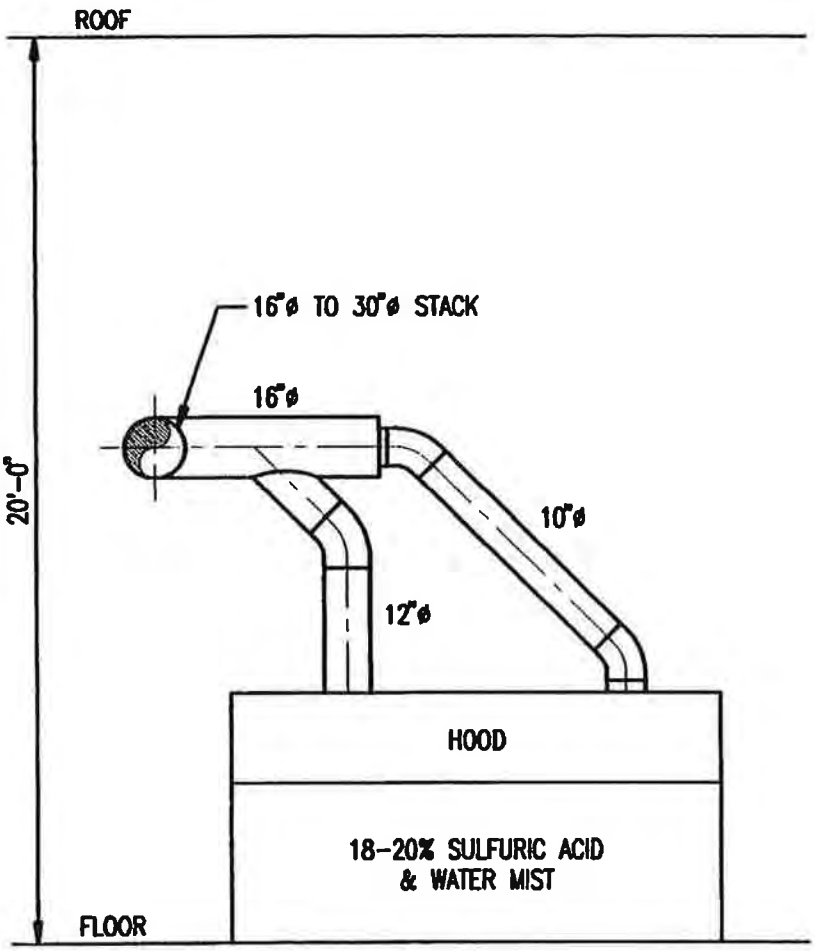
ALUMINUM ANODIZING SYSTEM

ELEVATION C-C

PROJECT NO. 93-1833i FIGURE IC1.5 SHEET 5 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE ELEVATION C-C EMISSION POINT RST02	DAY ENGINEERING, P.C. ENVIRONMENTAL ENGINEERING CONSULTANTS ROCHESTER, NEW YORK	DATE 5/3/93 DRAWN BY RJM SCALE NO SCALE

TIME PLOTTED: MON MAY 3, 11:50:00 1993
FILENAME: RST14

REF1: BORDER7
REF2: RST10
REF3: REF3



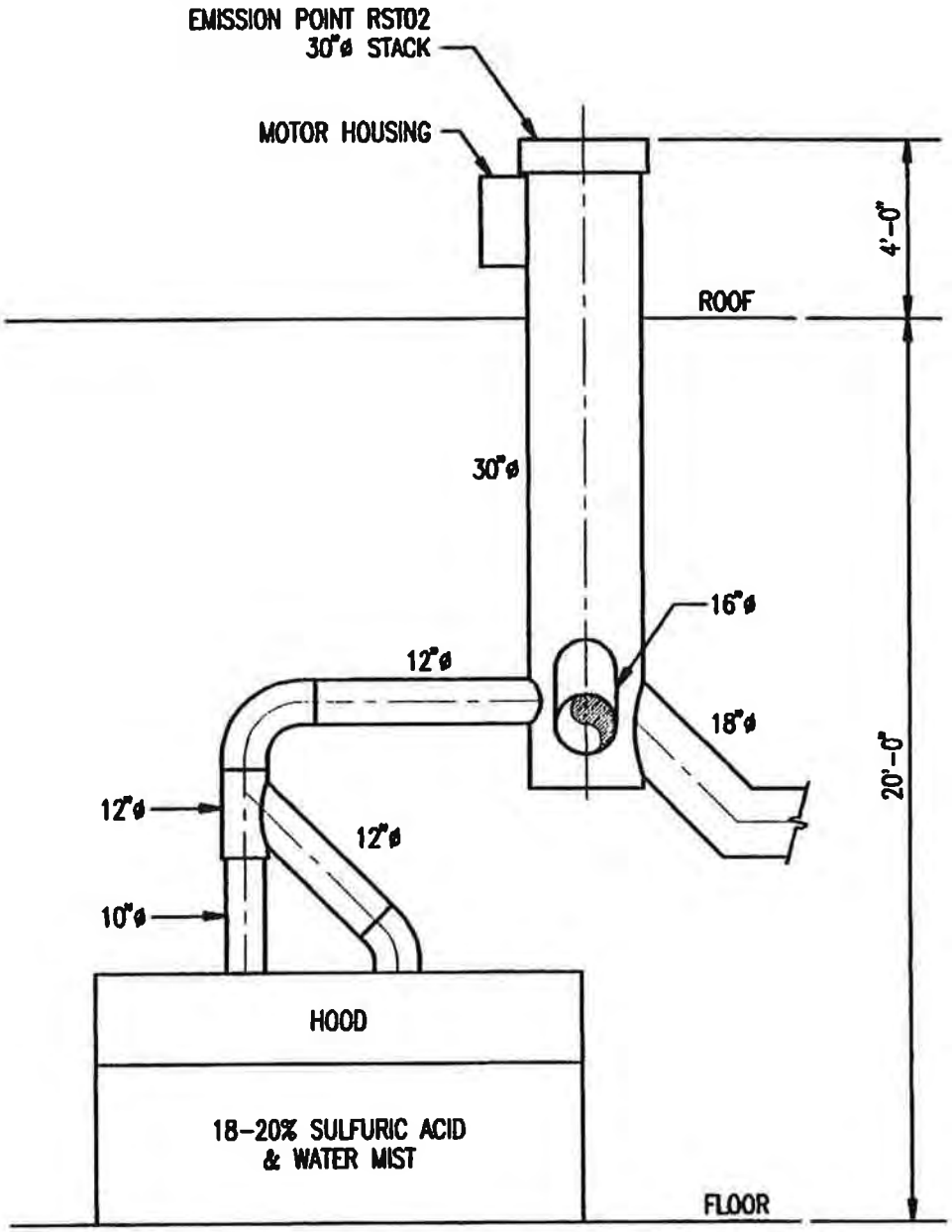
ALUMINUM ANODIZING SYSTEM

ELEVATION B-B

PROJECT NO. 93-1833i FIGURE IC1.4 SHEET 4 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE ELEVATION B-B EMISSION POINT RST02	**DAY ENGINEERING, P.C.** *ENVIRONMENTAL ENGINEERING CONSULTANTS* *ROCHESTER, NEW YORK*	DATE 5/3/93 DRAWN BY RJM SCALE NO SCALE

TIME PLOTTED: MON MAY 3, 11:50:00 1993
FILENAME: RST13

REF1: BORDER7
REF2: RST9
REF3: REF3



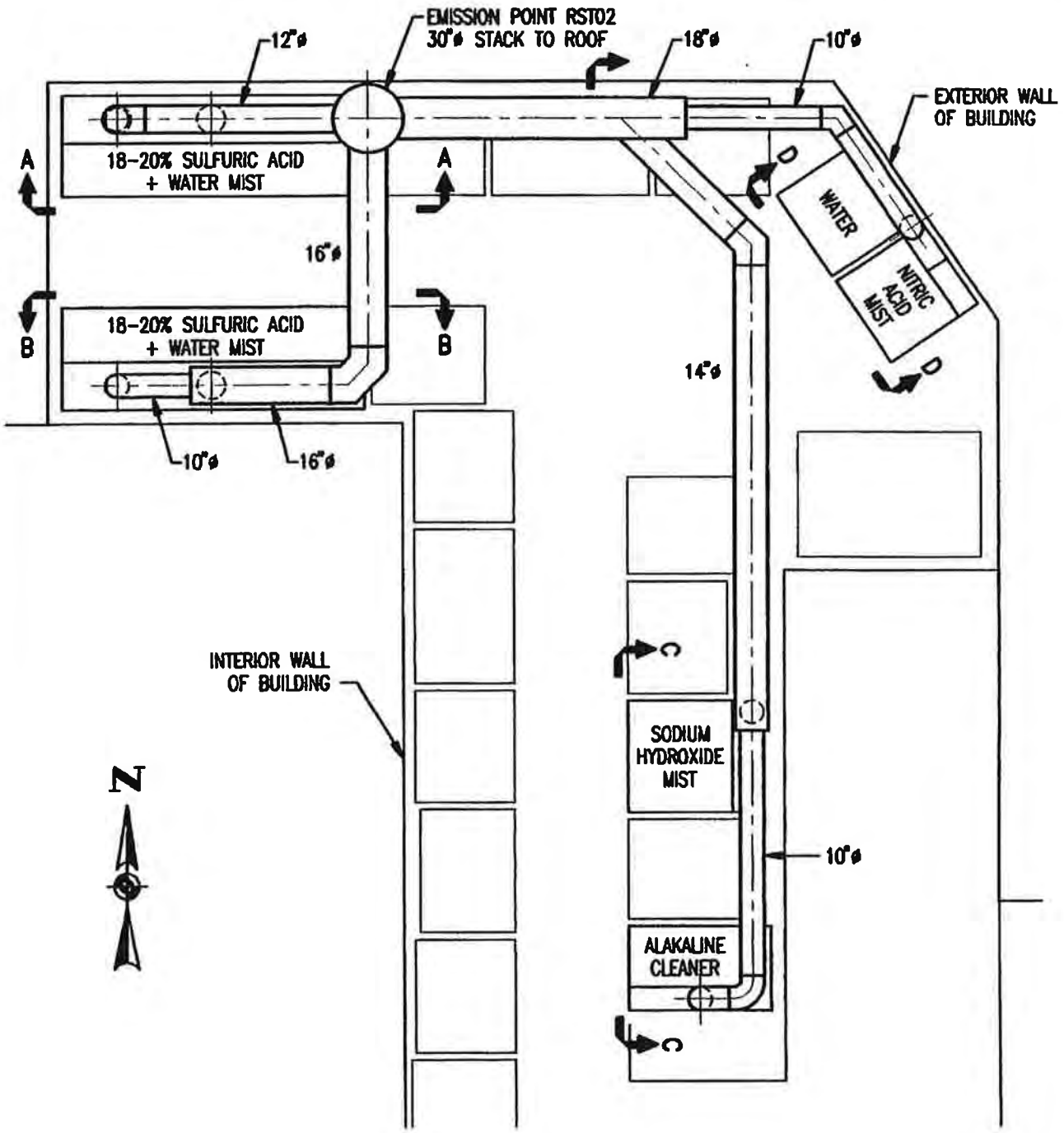
ALUMINUM ANODIZING SYSTEM

ELEVATION A-A

PROJECT NO. 93-1833i FIGURE IC1.3 SHEET 3 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE ELEVATION A-A EMISSION POINT RST02	**DAY ENGINEERING, P.C.** *ENVIRONMENTAL ENGINEERING CONSULTANTS* *ROCHESTER, NEW YORK*	DATE 5/3/93 DRAWN BY RJM SCALE NO SCALE

TIME PLOTTED: MON MAY 3, 11:45:00 1993
FILENAME: RST8

REF1: BORDER7
REF2: RST7
REF3: REF3



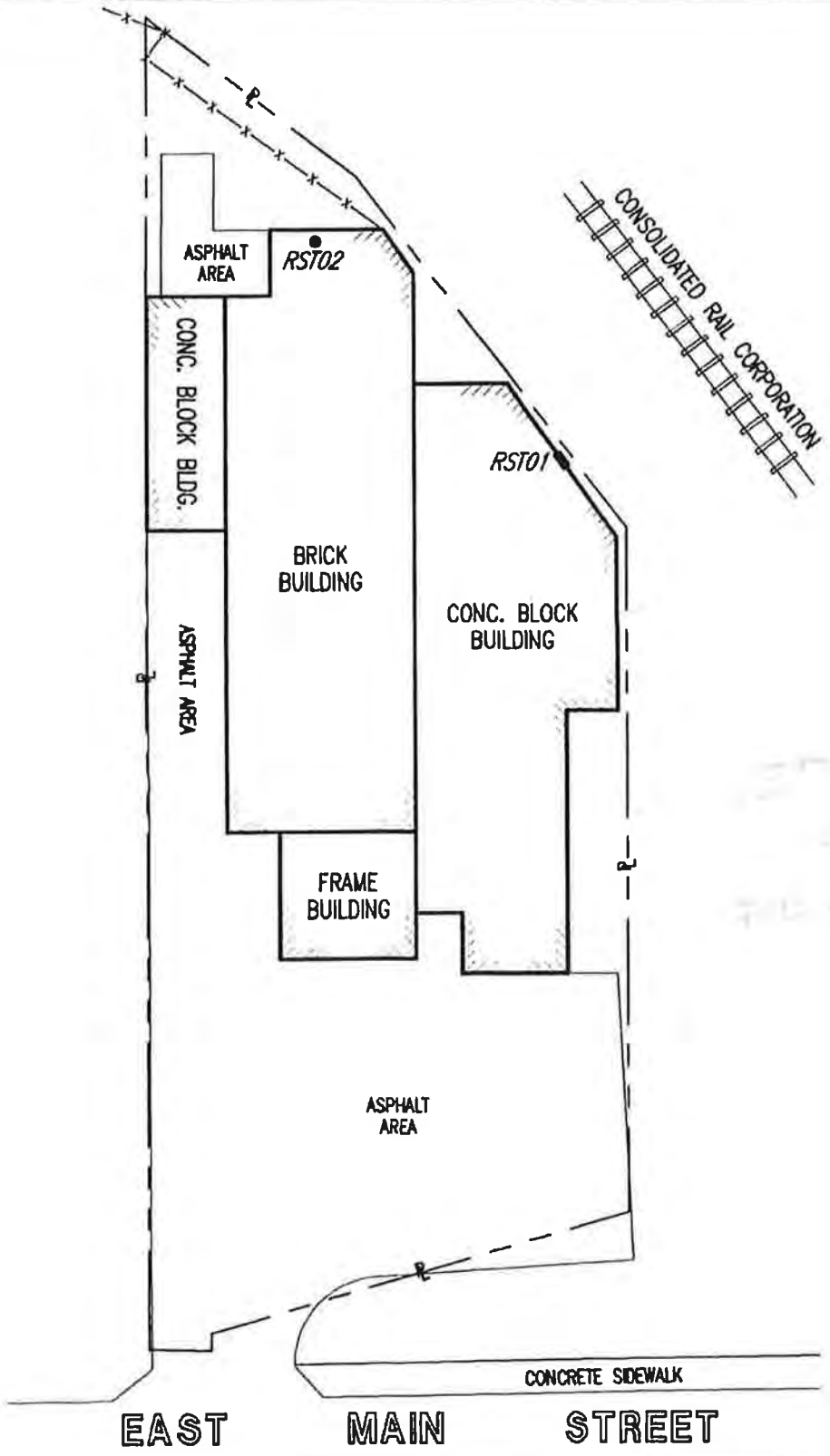
ALUMINUM ANODIZING SYSTEM

PLAN

PROJECT NO. 93-1833i FIGURE IC1.2 SHEET 2 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE PLAN EMISSION POINT RST02	**DAY ENGINEERING, P.C.** *ENVIRONMENTAL ENGINEERING CONSULTANTS* *ROCHESTER, NEW YORK*	DATE 5/3/93 DRAWN BY RJM SCALE 3/16"=1'-0"

TIME PLOTTED: MON MAY 3, 11:40:00 1993
FILENAME: RST2

REF1: BORDER7
REF2: RST1
REF3: REF3



PROJECT NO. 93-18331 FIGURE IC1.1 SHEET 1 OF 8	PROJECT TITLE ROCHESTER STEEL TREATING ROCHESTER, NEW YORK AIR PERMIT DRAWING TITLE ROCHESTER STEEL TREATING SITE PLAN	**DAY ENGINEERING, P.C.** *ENVIRONMENTAL ENGINEERING CONSULTANTS* *ROCHESTER, NEW YORK*	DATE 5/3/93 DRAWN BY RJM SCALE 1" = 40'

HEALTH HAZARDS (ACUTE,CHRONIC): Contains STRONG ALKALI. Causes severe eye, skin and tissue burns. May be harmful or fatal if swallowed. May cause respiratory tract irritation. Avoid contact with eyes, skin or clothing.

CARCINOGENICITY: None. NTP?: No. IARC?: No. OSHA REGULATED?: No.

SYMPTOMS OF EXPOSURE: eye, skin and respiratory tract irritation. eye, skin and tissue burns.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not known.

FIRST AID: INHALATION: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult,give oxyger. Get medical attention. EYES: Hold eyelids apart and flush with running water for at least 15 minutes. Get medical attention. SKIN: Wash affected area with plenty of water. Remove contaminated clothing. If irritation or burns are present, get medical attention. INGESTION: If conscious, give plenty of water, milk or fruit juice. Do not induce vomiting. Get medical attention.

SECTION VII - PRECAUTIONS/PROCEDURES

IN CASE OF SPILL: Sweep up material into a chemical waste container. Neutralize spill area with a weak acid solution.
WASTE DISPOSAL METHOD: Neutralize with dilute acid and dispose of in accordance with federal, state and local regulations.
PRECAUTIONS: Wear proper protective clothing when using this product. Use with adequate ventilation. Wash thoroughly after handling. Store away from strong acids. When making a solution, add slowly to water with constant stirring. Heat is generated when mixed with water.
OTHER PRECAUTIONS: Emptied containers of this product may contain hazardous vapors and residue. Clean thoroughly before reusing or discarding. Do not use a welding torch to cut container. Do not use for water or food storage.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator if dust, fumes or vapors are excessive. VENTILATION: maintain below PEL, TLV.
MECHANICAL EXHAUST..... X. PROTECTIVE GLOVES: rubber.
LOCAL EXHAUST..... X. EYE PROTECTION: safety goggles, face shield.
OTHER PROTECTIVE EQUIPMENT..... apron,boots, full cover work clothes.
WORK/HYGIENIC PRACTICES..... wash thoroughly after handling,launder clothes.

SECT IX -SARA TITLE III INFORMATION

HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313 TOXIC	SECT.311/312 HAZARDS
SODIUM HYDROXIDE	1000	N.A.	(SOLUTION)	A,E
SODIUM CARBONATE	N.A.	N.A.	NO	A
SODIUM SULFATE	N.A.	N.A.	NO	A
TETRASODIUM PYROPHOSPHATE	N.A.	N.A.	NO	A
NONIONIC SURFACTANT	N.A.	N.A.	NO	A

A=IMMEDIATE (ACUTE) HEALTH HAZARD B=DELAYED (CHRONIC) HEALTH HAZARD
C=FIRE HAZARD D=SUDDEN RELEASE OF PRESSURE HAZARD E=REACTIVE HAZARD

MATERIAL SAFETY DATA SHEET
UNI KLEEN DW

SECTION I - IDENTIFICATION

EMERGENCY DIRECTORY
413-543-3381 (EASTERN TIME) 8:00AM-5:00PM
800-424-9300 (OFFHOURS) CHEMTREC

HMIS HEALTH 3
HMIS FLAMMABILITY 0
HMIS REACTIVITY 1
HMIS PROTECTION X

HEATBATH CORPORATION
107 FRONT STREET
INDIAN ORCHARD, MASS. 01151

PREPARED BY: THOMAS A. NADEAU
DATE: 9/22/89

PRODUCT NAME..... UNI KLEEN DW
DESCRIPTION..... Chemical product for cleaning metal.
DOT CLASS: CORROSIVE SOLID N.O.S. (SODIUM HYDROXIDE, DRY SOLID) CORROSIVE MATERIAL UN 1759 RQ

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	PEL(MG/M3)	TLV(MG/M3)	%
SODIUM HYDROXIDE	1310-73-2	2.0	2.0	20-30
SODIUM CARBONATE	497-19-8	N.E.	N.E.	20-30
SODIUM SULFATE	7757-82-6	N.E.	N.E.	10-20
TETRASODIUM PYROPHOSPHATE	7722-88-5	5.0	5.0	20-30
NONIONIC SURFACTANT	9036-19-5	N.E.	N.E.	1-10

N.E.=NOT ESTABLISHED N.A.=NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING Point(F)..... N.A. SPECIFIC GRAVITY (H20=1).... N.E.
VAPOR PRESSURE (mm Hg).....N.A. MELTING POINT..... N.E.
VAPOR DENSITY (Air=1)..... N.A. EVAPORATION RATE.....N.A.
SOLUBILITY IN H20..... complete. PH.....14.0 @ 1%
APPEARANCE/ODOR.....white powder, pine odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... None. FLAMMABLE LIMITS.....None.
LOWER FLAME LIMIT..... N.A. HIGHER FLAME LIMIT..... N.A.
IN CASE OF FIRE: Material is nonflammable. Use extinguishing media appropriate to surrounding conditions.
SPECIAL FIREFIGHTING PROCEDURES: Wear protective clothing with self-contained breathing apparatus.
UNUSUAL FIRE HAZARDS: Contact with some metals (i.e. aluminum,tin,zinc etc.) may release flammable hydrogen gas.

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE CONDITIONS TO AVOID: None.
INCOMPATIBLE MATERIALS: strong acids, chlorinated hydrocarbons, leather, wool, metals such as aluminum, zinc, tin, brass etc.
DECOMPOSITION PRODUCTS: steam, hydrogen.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

DISPOSAL:
Uni Kleen DW is easily treated for disposal by simple neutralization to pH 7.5 - 8.5 with dilute Sulfuric Acid or Heatbath Alkineut #6001. Solution should be cold and addition of acid done slowly. Heat will be generated during the neutralization process.

TESTING CHEMICALS AND CONTROL EQUIPMENT:
Titration chemicals, as well as automatic concentration control equipment, are available upon request and may be obtained from Heatbath Corporation, Springfield, Massachusetts 01101.

NON-WARRANTY:
The data contained in this bulletin is believed by Heatbath Corporation to be accurate, true, and complete. Since, however, final use of the product is beyond our control, no warranty of results is expressed or should be implied.

Technical Data

HEATBATH CORPORATION • BOX 2978, SPRINGFIELD, MASSACHUSETTS 01101-2978
TEL. AREA CODE (413)543-3381 TELEX: 752986 HEATBATH UD

UNI KLEEN DW

CHARACTERISTICS:

Uni Kleen DW is a non-silicated, heavy duty alkaline soak cleaner designed to remove quenching oils, mill oils, buffing and stamping compounds, greases and shop soils from ferrous metals prior to black oxide finishing, phosphating, plating and acid dipping. The synthetic detergents used in compounding Uni Kleen DW are not adversely affected in acidic solutions. For this reason, no scum or oily deposit is accumulated in the acid tank.

FORM:

Uni Kleen DW is a free flowing, granular powder shipped in non-returnable drums.

EQUIPMENT:

All equipment for use with Uni Kleen DW may be constructed of mild steel.

OPERATION:

Concentration	30 - 120 grams/liter (4 - 16 oz. /gallon)
Temperature	38°C. - 77°C. (100°F. - 170°F.)
Immersion Time	2 - 10 minutes

CONTROL:

1. Pipet a 10 ml. sample of the Uni Kleen DW solution into a 250 ml. beaker.
2. Add 100 mls. water and 6 drops of Phenolphthalein Indicator. Solution turns pink.
3. Titrate with 1.0 Normal Hydrochloric Acid to a colorless endpoint.
4. Calculation:

   mls. 1.0 Normal Hydrochloric Acid x 11.3 = grams/liter Uni Kleen DW

   or

   mls. 1.0 Normal Hydrochloric Acid x 1.5 = oz. /gallon Uni Kleen DW

SAFETY:

Uni Kleen DW contains strong caustic alkali. Avoid skin contact. Additions to hot solutions should be made slowly and cautiously, distributing the material over a wide area of the solution to prevent boilover. In case of accidental skin contact, flush thoroughly with large quantities of cold water. Consult a physician promptly if pain or irritation develops. For eye contact, flood with cool water and obtain immediate medical attention.

Liability Act (CERCLA) usually referred to as Superfund. The list includes substances designated pursuant to 3001 of Solid Waste Disposal Act (RCRA), toxic pollutants under 112 of the Clean Air Act, imminently hazardous chemicals determined under 7 of TSCA and substances designated pursuant to 102 of CERCLA.
Muriatic acid is designated a hazardous substance by 29 CFR 1910, Subpart Z, Toxic and Hazardous Substances OSHA
Muriatic Acid is designated a hazardous substance by AMerican Conference of Governmental Industrial Hygienists.
OSHA Standard 29 CFR 1910.1200 Hazard Communication requires that information be provided to employees concerning hazardous chemicals by means of a hazard communication program including container labels. Material Safety Data Sheet literature, training and access to written records. Muriatic acid is a Generally Recognized As Safe (GRAS) substance and as such certified food grade material can be used as a food additive as exempted by the Food, Drug and Cosmetic Act (21 CFR 582). Information contained in this section is provided as a service and while based on generally available resources and information should not be considered to be n all inclusive regulatory bibliography of the product, particularly regarding non federal laws and regulations.
Users are advised to check with state and local authorities concerning any applicable regulations regarding transportation, handling, use or disposal of this product.
Shelf life is unlimited - Storage temperature could be ambient.

XI. EMERGENCY TREATMENT AND FIRST AID PROCEDURES

Inhalation: Remove to fresh air, keep upright position, provide oxygen, get medical aid.
Skin: Flush with tempered water for 15 minutes, get medical help.
Eyes: Flush with tempered water including under eye lids for 15 minutes, get medical help.
Ingestion: Do NOT induce vomiting - get medical aid - rinse mouth with water - drink plenty of water - give milk of magnesia or lime water.

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of seller's knowledge. However, since the conditions of handling and use are beyond our control seller makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy or completeness of such data or the results to be obtained from the use thereof. Further, seller assumes no responsibility for injury to buyer or to third persons or for damage to any property. Buyer assumes all such risks, including but not limited to compliance of user with all applicable Federal, State and local laws and regulations. Further, nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws and regulations.

areas where spillage can be neutralized with soda ash or alkaline solutions.
Consider recovery if proper equipment is available.
Waste Disposal Method: Disposal is contingent upon allowable salt concentrations and pH in the effluent stream.
Additional Information: Follow federal, state, local and permit regulations. Prepare for emergencies in advance, such as acid resistant floors and drainage, neutralization materials, containment sand, etc.

VIII. SPECIAL PROTECTION INFORMATION

Ventilation Recommended: Sufficient to control below TLV requirements.
Due to low freeze points this materials is normally stored outside of buildings.
Respiratory Protection: NIOSH/MSHA approved acid gas chemical cartridge respirator or full face with canister. For unknown concentrations use approved self contained breathing apparatus.
Protective Gloves: Rubber, latex, plastic
Eye Protection: Splash goggles or face shield.
Other Protective Equipment: Disposable plastic suits, or a rubber apron.
Additional Information: Avoid body contact and inhalation of fumes.

IX. SPECIAL PRECAUTIONS

Hygenic Practices in handling and storing:
Wear eye, respiratory and clothing to protect against accidental spills.
Store in compatible equipment (acid proof). Provide ventilation.
Store away from alkaline materials, oxidizing agents and base metals.
Dike storage areas to meet, federal, state and local regulations.
Precautions for repair, maintenance of contaminated equipment:
Thoroughly wash with water and check that residual is safe.
Other Precautions: Keep metals away from storage areas as contact may cause hydrogen generation.
Additional Information: Only trained personnel should handle this material and someone should be in attendance throughout any loading, unloading, or transfer operation.
Regulatory Status 311 of the Clean Water Act lists Muriatic acid as a hazardous substance which if discharged into or upon water, may require immediate response to mitigate danger to public health and welfare. The Act specifies procedures to be followed in the event of accidental spillage as well as civil penalties and fines to be levied. Spills of Muriatic acid of 5,000 or more pounds must be reported to the National Response Center 1-800-424-8802.
The shipment of Muriatic is regulated by the U. S. Department of Transportation. It is classified as a Corrosive Material, requires a Corrosive DOT label and is assigned UN1789 as an international identification number (49CFR 172.101)
Muriatic acid is contained on a composite list as required under 101 (14) of the comprehensive Environment Response, Compensation and

Flammable Limits: Lower None Upper None
Autoignition Temperature: None
Extinguishing Media: Suitable for surrounding fire.
Special Fire Fighting Procedures: Use protective clothing suitable for acids and self contained breathing apparatus.
Unusual Fire and Explosion Hazards: Flammable Hydrogen Gas is generated by reaction with many metals. (potassium, sodium, calcium, powdered aluminum, zinc, magnesium).
Additional Information: This material can be neutralized with an alkali such as weak caustic solutions or soda ash. NFPA 3-0-0

V. HEALTH HAZARD DATA
****
Threshold Limit Value: None NIOSH (DHEW 78-210 Sept. 1985)
Permissible Exposure Limit: 5 ppm Ceiling OSHA
ACGIH limit Value: The American Conference of Governmental Industrial Hygienists (ACGIH) has established a Ceiling limit of 5 ppm.

NTP Carcinogen: None - World Health Organization
IARC Carcinogen: None - World Health Organization
Mutagenic: None - World Health Organization
Tetratogenic: None - World Health Organization
Reproductivity Toxicity: None - World Health Organization
Medical Conditions Aggravated by Exposure: Respiratory ailments
Primary Routes of Entry: Inhalation, body contact
EFFECTS OF OVEREXPOSURE
Inhalation: Pungent, sore throat, coughing, shortness of breath. Concentrations above 50 ppm will damage the upper respiratory tract.
Skin: Corrosive, redness, burns
Eyes: Corrosive, burns, pain, blurred vision
Ingestion: Corrosive to esophagus and stomach. May lead to convulsions
Additional Information: Concentrations above 1300 ppm are believed to be immediately dangerous to life.
Target Organs: Respiratory system, skin, eyes.

VI. REACTIVITY DATA
****
Stability: Stable under normal conditions.
Conditions to Avoid: Heat sources, contact with metals or alkalis, and body contact.
Incompatibility: Base metals, metal oxides, alkaline materials, carbonates, amines, hydroxides.
Hazardous Decomposition Products: Hydrogen chloride gas, hydrogen.
Hazardous Polymerzation: Will not occur.
Conditions to Avoid: Strong mineral acid - corrosive to most common metals.

VII. SPILL OR LEAK PROCEDURES
****
Steps to be taken in case material is released or spilled:
Contain spill or leaks in plastic containers, dikes, ponds, or retention

RAECO PRODUCTS, INC.

525 Blossom Road
Rochester, New York 14610

Product: 95506 MURIATIC ACID 20 9/27/89 Order: 021615
Customer: 042048 ROCHESTER STEEL TREATING CO

TANK #3

I. IDENTIFICATION AND EMERGENCY INFORMATION EFF 9/88

****

PRODUCT NAME: Muriatic Acid 20 REV 6/1/89
PRODUCT NUMBER: 95506
INFORMATION FURNISHED BY: LCP Chemical & Plastics Inc
EDISON NJ 08837
EMERGENCY TELEPHONE NUMBER: (800) 535-0202 Right-to-Know Hotline
(800) 624-6938OR CHEMTREC (800) 424-9300
CHEMICAL NAME: Hydrochloric Acid
CHEMICAL FAMILY: Acid
FORMULA: HCL CAS NUMBER: 07647-01-0
D.O.T. HAZARD CLASS: CORROSIVE RQ 5000LBS;
D.O.T. Shipping Name: Hydrochloric Acid Solution
D.O.T. I.D. NUMBER: UN 1789
LABELING: WARNING! CORROSIVE AT CONCENTRATIONS ABOVE 15%
MISCELLANEOUS: Bulk shipment by rubber lined tank trucks and tank cars, plastic drums.
See SARA III information in III ingredients below.

II. PHYSICAL DATA

****

Boiling Point:760 mm Hg 20 Be 182 F
Appearance: clear,colorless to pale yellow light fuming liquid
Specific Gravity: 1.160
Odor: pungent and suffocating - % volatile by volume - 100
Vapor Density:(20 C) 1.3
Evaporation Rate:(n-Butyl Acetate=1):> 1 weight % HCL - 31.4%
Vapor Pressure: @ 20 C .25
Solubility in Water % by wt.: Infinite
Viscosity: NA
pH: 0 or less than 0.1
Freezing Point: -63.4
Molecular Weight: 36.47

III. INGREDIENTS

****

Principle Components:

Hydrogen Chloride	31.4%	(28-31-35-37%
Impurities	Trace	
Balance	Water	

Hazardous mixtures of other liquids, solids or gases: Toxic fumes can be generated by contact with alkalis, oxidants and many metals which cause spontaneous temperature rise.
Additional Information: TLV 5 ppm ceiling ACGIH; PEL 5 ppm Ceiling OSHA. The manufacturer is required to report the presence of hydrochloric acid in this product under Section 313 (Emergency Planning and Community Right-To-Know Act 1986.)

IV. FIRE AND EXPLOSION HAZARD DATA

****

Flash Point (method used) non flammable none, non-combustible

HEALTH HAZARDS (ACUTE,CHRONIC): Contains STRONG ALKALI. Causes severe eye, skin and tissue burns. May be harmful or fatal if swallowed. Avoid contact with eyes, skin or clothing. Contains OXIDIZER-contact with other material may cause fire.

CARCINOGENICITY: None. NTP?: No. IARC?: No. OSHA REGULATED?: No.

SYMPTOMS OF EXPOSURE: eye, skin and respiratory tract irritation. eye, skin and tissue burns.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not known.

FIRST AID: INHALATION: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult,give oxygen. Get medical attention. EYES: Hold eyelids apart and flush with running water for at least 15 minutes. Get medical attention. SKIN: Wash affected area with plenty of water. Remove contaminated clothing. If irritation or burns are present, get medical attention. INGESTION: If conscious, give plenty of water. Do not induce vomiting. Get medical attention.

SECTION VII - PRECAUTIONS/PROCEDURES

IN CASE OF SPILL: Sweep up material into a chemical waste container. Neutralize spill area with a weak acid solution.
WASTE DISPOSAL METHOD: Dilute spent solutions 1:10 with water. Add Urea and mix well. Slowly add dilute acid till pH is between 7.5-8.5. Allow sludge to settle. Perform this procedure only in a well ventilated area.
PRECAUTIONS: Wear proper protective clothing when using this product. Wash thoroughly after handling. Use with adequate ventilation. When making a solution, add slowly to water with constant stirring. Store away from strong acids and combustibles.
OTHER PRECAUTIONS: Emptied containers of this product may contain hazardous vapors and residue. Clean thoroughly before reusing or discarding. Do not use a welding torch to cut container. Do not use for water or food storage. This product will generate heat when mixed with water.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator if dust, fumes or vapors are excessive. VENTILATION: maintain below PEL, TLV.
MECHANICAL EXHAUST..... X. PROTECTIVE GLOVES: rubber.
LOCAL EXHAUST..... X. EYE PROTECTION: safety goggles, face shield.
OTHER PROTECTIVE EQUIPMENT..... apron,boots, full cover work clothes.
WORK/HYGIENIC PRACTICES..... wash thoroughly after handling,launder clothes.

SECT IX -SARA TITLE III INFORMATION

HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313 TOXIC	SECT.311/312 HAZARDS
SODIUM HYDROXIDE	1000	N.A.	NO	A,E
SODIUM NITRITE	100	N.A.	NO	A,C
SODIUM NITRATE	N.A.	N.A.	NO	A,C
NICKEL NITRATE	N.A.	N.A.	YES	A,B,C

A=IMMEDIATE (ACUTE) HEALTH HAZARD B=DELAYED (CHRONIC) HEALTH HAZARD
C=FIRE HAZARD D=SUDDEN RELEASE OF PRESSURE HAZARD E=REACTIVE HAZARD

MATERIAL SAFETY DATA SHEET
NICKEL PENTRATE

SECTION I - IDENTIFICATION

EMERGENCY DIRECTORY

413-543-3381 (EASTERN TIME) 8:00AM-5:00PM
800-424-9300 (OFFHOURS) CHEMTREC

HMIS HEALTH 3
HMIS FLAMMABILITY 0
HMIS REACTIVITY 1
HMIS PROTECTION X

TANK #4

HEATBATH CORPORATION
107 FRONT STREET
INDIAN ORCHARD, MASS. 01151

PREPARED BY: THOMAS A. NADEAU
DATE: 9/5/89

PRODUCT NAME..... NICKEL PENTRATE
DESCRIPTION..... Chemical product for producing black oxide coatings on steel.

DOT CLASS: CORROSIVE SOLID N.O.S. (SODIUM HYDROXIDE, DRY SOLID) CORROSIVE MATERIAL UN 1759 RQ

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	PEL(MG/M3)	TLV(MG/M3)	%
SODIUM HYDROXIDE	1310-73-2	2.0	2.0	80-90
SODIUM NITRITE	7632-00-0	N.E.	N.E.	1-10
SODIUM NITRATE	7631-99-4	N.E.	N.E.	10-20
NICKEL NITRATE	13478-00-7	0.1 (NI)	0.1 (NI)	<.02

N.E.=NOT ESTABLISHED N.A.=NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING Point(F)..... N.A.
VAPOR PRESSURE (mm Hg).....N.A.
VAPOR DENSITY (Air=1)..... N.A.
SOLUBILITY IN H20..... complete.
SPECIFIC GRAVITY (H20=1).... 2.14
MELTING POINT..... N.E.
EVAPORATION RATE.....N.A.
PH.....N.A.
APPEARANCE/ODOR.....odorless, white powder.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... None.
LOWER FLAME LIMIT..... N.A.
FLAMMABLE LIMITS.....None.
HIGHER FLAME LIMIT..... N.A.
IN CASE OF FIRE: Use flooding amounts of water.
SPECIAL FIREFIGHTING PROCEDURES: Wear protective clothing with self-contained breathing apparatus.
UNUSUAL FIRE HAZARDS: Contact with some metals (i.e. aluminum,tin,zinc etc.) may release flammable hydrogen gas. Contains oxidizer-increases the flammability of organics, combustibles and easily oxidizable materials.

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE CONDITIONS TO AVOID: None.
INCOMPATIBLE MATERIALS: strong acids, chlorinated hydrocarbons, leather, wool, metals such as aluminum, zinc, tin, brass etc.
DECOMPOSITION PRODUCTS: steam, hydrogen, oxides of nitrogen.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation, ingestion.

HEALTH HAZARDS (ACUTE,CHRONIC): Contains PETROLEUM DISTILLATE. Keep away from extreme heat and open flame. Harmful if swallowed or inhaled. May cause eye, skin and throat irritation.

CARCINOGENICITY: None. NTP?: No. IARC?: No. OSHA REGULATED?: No.

SYMPTOMS OF EXPOSURE: eye, skin and respiratory tract irritation. If ingested, may cause dizziness, headaches, nausea and cramps.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not known.

FIRST AID: INHALATION: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult,give oxygen. Get medical attention. EYES: Hold eyelids apart and flush with running water for at least 15 minutes. Get medical attention. SKIN: Wash affected area with soap and water. Remove contaminated clothing. If irritation persists, see a physician. INGESTION: If conscious, give plenty of water. Induce vomiting only on the advice of a physician. Get immediate medical attention.

SECTION VII - PRECAUTIONS/PROCEDURES

IN CASE OF SPILL: Contain spills with inert absorbant. Scoop up material into a chemical waste container. Wash area with water.
WASTE DISPOSAL METHOD: Dispose in accordance with federal, state and local regulations.
PRECAUTIONS: Use with adequate ventilation. Avoid contact with eyes, skin or clothing. Wear proper protective clothing when using this product. Wash thoroughly after handling. Store away from heat and flame.

OTHER PRECAUTIONS: Emptied containers of this product may contain hazardous vapors and residue. Clean thoroughly before reusing or discarding. Do not use a welding torch to cut container. Do not use for water or food storage.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator if dust, fumes or vapors are excessive. VENTILATION: maintain below PEL, TLV.
MECHANICAL EXHAUST..... X. PROTECTIVE GLOVES: rubber.
LOCAL EXHAUST..... X. EYE PROTECTION: safety goggles, face shield.
OTHER PROTECTIVE EQUIPMENT..... apron,boots, full cover work clothes.
WORK/HYGIENIC PRACTICES..... wash thoroughly after handling,launder clothes.

SECT IX -SARA TITLE III INFORMATION

HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313 TOXIC	SECT.311/312 HAZARDS
BUTYL CARBITOL	N.A.	N.A.	YES	A,B,C
NAPTHENIC OIL	N.A.	N.A.	NO	B,C

A=IMMEDIATE (ACUTE) HEALTH HAZARD B=DELAYED (CHRONIC) HEALTH HAZARD
C=FIRE HAZARD D=SUDDEN RELEASE OF PRESSURE HAZARD E=REACTIVE HAZARD

MATERIAL SAFETY DATA SHEET
LAB OIL 100

SECTION I - IDENTIFICATION

24 HOUR EMERGENCY ASSISTANCE:
413-543-3381 (EASTERN TIME) 8:00AM-5:00PM
800-424-9300 (OFF HOURS) CHEMTREC

HMIS HEALTH	1
HMIS FLAMMABILITY	1
HMIS REACTIVITY	0
HMIS PROTECTION	X

HEATBATH CORPORATION
107 FRONT STREET
INDIAN ORCHARD, MASS. 01151

PREPARED BY: THOMAS A. NADEAU
INFORMATION: 413-543-3381
DATE: 2/5/91

PRODUCT NAME..... LAB OIL 100
DESCRIPTION..... Rust preventative oil.

DOT CLASS: OIL, LUBRICATING N.O.I.

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	PEL(MG/M3)	TLV(MG/M3)	%
BUTYL CARBITOL	112-34-5	N.E.	N.E.	1-10
NAPTHENIC OIL	64742-52-5	5.0	5.0	60-70

N.E.=NOT ESTABLISHED N.A.=NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING Point(F)..... >600 F
SPECIFIC GRAVITY (H20=1).... 0.90
VAPOR PRESSURE (mm Hg).....Nil.
MELTING POINT..... N.E.
VAPOR DENSITY (Air=1)..... N.E.
EVAPORATION RATE.....N.E.
SOLUBILITY IN H20..... emulsifies.
PH.....N.E.
APPEARANCE/ODOR.....reddish-brown fluid, bland odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... 330 F(COC)
FLAMMABLE LIMITS.....N.E.
LOWER FLAME LIMIT..... N.E.
HIGHER FLAME LIMIT..... N.E.
IN CASE OF FIRE: Petroleum product-use dry chemical, carbon dioxide or alcohol foam.
SPECIAL FIREFIGHTING PROCEDURES: Wear protective clothing with self-contained breathing apparatus.
UNUSUAL FIRE HAZARDS: May release flammable vapors when exposed to extreme heat. Cool exposed containers with water.

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE
CONDITIONS TO AVOID: temps >330 F
INCOMPATIBLE MATERIALS: strong acids, alkalies and oxidizing agents.
DECOMPOSITION PRODUCTS: carbon dioxide, carbon monoxide, various hydrocarbons under thermal decomposition.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: inhalation, ingestion.

NOTE:
Lab Oil #100 solutions are made up at various concentrations by diluting the Lab Oil #100 with water that has been heated to 60°C. (140°F.) minimum. Heated water is recommended to facilitate emulsification. Maximum corrosion resistance will be obtained when the Lab Oil #100 concentration is maintained at 20 - 30% by volume. Lab Oil #100 usually remains near complete emulsification even when solutions are cooled to ambient temperature.

CONTROL:

1. Pour 90 mls. of Lab Oil #100 solution into a 100 ml. graduate cylinder.
2. Add 10 mls. of concentrated salt solution while stirring with a glass rod.
3. Allow to stand for 20 - 30 minutes. The salt solution will break the Lab Oil #100 and water emulsion into two layers.
4. Concentration of Lab Oil #100 is equal to milliliters of oil (top) layer x 1.1.

NOTE:
Concentrated salt solution can be made by dissolving 100 grams of table salt in 400 mls. of tap water at room temperature. (The salt dissolves slowly, so it may take a day or two with periodic shaking to completely dissolve it.

SAFETY:
Spilled material should be absorbed in a mineral type absorbent such as "Speedi-Dry" and swept up. If spilled on skin, wash thoroughly with soap and water.

DISPOSAL:
Spent solutions of Lab Oil #100 should be handled according to locally approved procedures for soluble oil emulsion. The absence of barium compounds will ease disposal problems.

NON-WARRANTY:
The data contained in this bulletin is believed by Heatbath Corporation to be accurate, true and complete. Since, however, final use of the product is beyond our control, no warranty of results is expressed or should be implied.

Technical Data

HEATBATH CORPORATION • BOX 2978, SPRINGFIELD, MASSACHUSETTS 01101-2978
TEL. AREA CODE (413)543-3381 TELEX: 752980 HEATBATH UD

Black side tank (wall exit)

Tank #3

LAB OIL #100

CHARACTERISTICS:
Lab Oil #100 is a water soluble emulsion type rust preventative that represents a new advance in the rust preventative field.

Lab Oil #100 combines the properties of high corrosion resistance, "dry to the touch" (over phosphate), excellent emulsification characteristics and low toxicity. Lab Oil #100 contains no barium compounds.

Emulsions of Lab Oil #100 applied over zinc phosphated steel panels have survived in excess of 240 hours exposure salt fog cabinet (ASTM B-117).

Lab Oil #100 has been formulated to also offer excellent emulsion stability to alkaline or acid contamination as encountered in black oxide orphosphating processing cycles. Ordinary water soluble and solvent-type rust preventatives have extremely poor stability to alkaline or acid contamination.

FORM:
Lab Oil #100 is an amber colored oily liquid shipped in 5 and 55 gallon steel containers.

EQUIPMENT:
Tanks for Lab Oil #100 may be constructed of mild steel. Solutions can be steam heated, gas fired or heated with electric immersion heaters.

OPERATION:

Concentration:	5 - 30% by volume
Temperature:	60°C - 100°C (140°F - 212°F)
Time:	30 seconds (or sufficient to thoroughly wet parts)

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0093
RUN DATE: 08/06/90

2 261400 0761 00031 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 10/02/85
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 02/01/86
		PRIOR CO EXPIRATION DATE 02/01/91

EMISSION POINT 00031
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 24 FT. (43)EXIT VELOCITY: 70.14 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1: N
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: FT. (48)EXIT FLOW: 30000.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2:
(51)GRND ELEV: 500 FT. (52)STK DIAM: 36 IN. (53)EXIT TEMP: 100 DEGR F (54)CO CONDITIONS: 1 3 EDIT: REV. REQ.

UNIT I
(55)HOURS/DAY: 16.0 (56)DAYS/YEAR: 260 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1401 ANNEALING
(59)BLDG: (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. HEAT TREAT ROOM VENTILATION

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10*	PERMISSIBLE
TRICHLOROETHYLENE	(085) 00079-01-6	(086) D	(087) 5.200	(088) 01	(089) 06	(090) 5.200	(091)	(092) 5.200	(093) 21913	(094) 0	(095) 21913
MISCELLANEOUS ORG	(096) NY990-00-0	(097) D	(098) .100	(099) 01	(100) 09	(101) .100	(102)	(103) .100	(104)416.000	(105) 0	(106)416.000

(15)PRIOR COMMENTS (16)BY YURKSTAS (17)DATE 07/24/81
1. OPERATING AT 100% CAPACITY
2.
3.
4. NO VISIBLE EMISSIONS AT TIME OF INSPECTION
5.

(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /
1.
2.
3.
4.
5.

(27)LAST INSPECTION DATE / /
(21)INSPECTION STATUS
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 12/01/91
(24)EXPIRATION DATE 12/01/96
(25)CO FEE $50.

FIRM REP'S SIGNATURE: [signature] DATE: 10-5-90

ISSUING OFFICER'S SIGNATURE: Albert W. Buttaro DATE: 11/14/96

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0091
RUN DATE: 08/06/90

2 261400 0761 00029 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) ROCHESTER STEEL TREATING WKS	(6) ROCHESTER STEEL TREATING WKS	(11) CONFIDENTIAL STATUS NON-CONFIDNTL
(2) 962 E MAIN ST	(7) 962 E MAIN ST	(12) APPLICATION STATUS IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14605	DATE OF LAST CHANGE 10/02/85
(5) 14605	(10) REP: ERIC VANGELLOW 716-546-3348	PRIOR CO ISSUE DATE 02/01/86
		PRIOR CO EXPIRATION DATE 02/01/91

EMISSION POINT 00029
(41)UTM-E: 289.7 KM. (42)STACK HEIGHT: 21 FT. (43)EXIT VELOCITY: 10.00 FT/SEC (44)SIC: 3398 (45)AGENCY-CODE-1:
(46)UTM-N: 781.8 KM. (47)HT ABV STRUC: -3 FT. (48)EXIT FLOW: 13.00 ACFM (49)CO FEE: $50.00 (50)AGENCY-CODE-2: N
(51)GRND ELEV: 500 FT. (52)STK DIAM: 2 IN. (53)EXIT TEMP: 125 DEGR F (54)CO CONDITIONS: 1

UNIT 1
(55)HOURS/DAY: 24.0 (56)DAYS/YEAR: 200 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A3111 POT FURNACE
(59)BLDG: (60)FLOOR NAME: (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. NITRIDING FURNACE

CONTROL EQUIPMENT (73)TYPE: 099 NONE

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	UNIT	HOW DET	PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10×	PERMISSIBLE
AMMONIA	(085) 07664-41-7	(086) C	(087) .250	(088) 01	(089)	(090) .250	(091)	(092) .250	(093) 1200	(094) 0	(095) 1200

PRIOR COMMENTS (16)BY (17)DATE

(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /
1. _____
2. _____
3. _____
4. _____
5. _____

(27)LAST INSPECTION DATE / /
(21)INSPECTION STATUS _____
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 02/01/91
(24)EXPIRATION DATE 02/01/96
(25)CO FEE $50.

REP'S SIGNATURE: Eric Vangellow DATE: 5-30

ISSUING OFFICER'S SIGNATURE: Albert W. Buttner DATE: 11/14/90

Roch. Steel treating

Estimates

material loss:

2.5 #/day	caustic	@	8hrs/day	= .3125 #/hr.	= 650 #/yr
1 gal/week	Nitric	@	9#/gal	= .225 #/hr	= 468 #/yr
10 gal/year	Sulfuric	@	10#/gal	= 100 #/yr.	= .005#/hr

Approach this from a material balance (how much loss of material from tanks over time)
then make some assumptions about what is going down the drain

General Manager → Keith Heyden

Rochester Steel Treating Works, Inc.

962 EAST MAIN STREET
ROCHESTER, NEW YORK 14605

716 · 546-3348
FAX 716 · 546-1684

OVER FIFTY YEARS
OF QUALITY SERVICE

MEMBER
A.S.M. A.W.S.
A.S.M.E. M.T.I.
N.T.M.A.

November 30, 1992

Mr. Thomas G. Wickerham
New York State DEC
Division of Air Resources
Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Re: Application for Permit to Construct Process Ventilation System

Dear Mr. Wickerham:

Please review and forward attached information to the appropriate section for processing.

Given the late date and depending on the length of time required to obtain a certificate Rochester Steel Treating may want to apply for a permit to operate.

Please call me at 546-3348 if you have any comments or need further information.

Regards,

Eric J. Vangellow

EJV/le

Attachment: Application and supporting documents

date

TITLE V APPLICABILITY DETERMINATION
(One Form Per Contaminant)

Facility: Rochester Steel Treating

Location: 962 E. Main Street, Rochester, New York 14605

Location Code - Facility Code: 12614004 (Location Code) - 07611 (Facility Code)

CAS, Contaminant Name: 07647-01-0 Hydrogene Chloride (Contaminant Name)

FACILITY OFFICIAL: Keith Heiden (SIGNATURE), **TITLE:** General Manager

(a) Emission Point ID	Hourly Emissions (lb/hr)			Time of Operation		Annual Emissions (TPY)		
	(b) ERP	(c) Actual	(d) Permissible	(e) hrs/day	(f) day/yr	[(c)(e)(f)/2000] Actual	[(d)(e)(f)/2000] Permissible	[(d)(8760)/2000] Potent. to Emit
RST01	0.013	0.005		8	250	0.005		0.022

TITLE V APPLICABILITY SIGNIFICANCE LEVELS IN TPY

	Downstate	Upstate
NO_x	25	100
VOC	25	50
TSP/SO_2/CO	100	100
HAP/all HAPs	10/25	10/25
Pb	5	5

(g) Total Annual Emissions (TPY):	0.005		0.022
(h) Facility Fugitive Emissions (TPY):	0		0
(i) Total Facility Emissions (TPY):	0.005		0.022
(j) Title V Major Source Level (See Table):			10/25
(k) If (g) or (i)* is greater than (j) you are Title V major source and may wish to cap out (* see instructions)			STATE

March 24, 1993

date

TITLE V APPLICABILITY DETERMINATION
(One Form Per Contaminant)

Facility: Rochester Steel Treating

Location: 962 E. Main Street, Rochester, New York 14605

Location Code - Facility Code: 2 6 1 4 0 0 (Location Code) - 0 7 6 1 (Facility Code)

CAS, Contaminant Name: - - TSP/SO_2/CO (Contaminant Name)

FACILITY OFFICIAL: Keith Heiden (SIGNATURE), **TITLE:** General Manager

(a) Emission Point ID	Hourly Emissions (lb/hr)			Time of Operation		Annual Emissions (TPY)		
	(b) ERP	(c) Actual	(d) Permissible	(e) hrs/day	(f) day/yr	[(c)(e)(f)/2000] Actual	[(d)(e)(f)/2000] Permissible	[(d)(8760)/2000] Potent. to Emit
00031	0.06	0.06		16	260	0.13		0.26

TITLE V APPLICABILITY SIGNIFICANCE LEVELS IN TPY

	Downstate	Upstate
NO_x	25	100
VOC	25	50
TSP/SO_2/CO	100	100
HAP/all HAPs	10/25	10/25
Pb	5	5

(g) Total Annual Emissions (TPY):	0.13		0.26
(h) Facility Fugitive Emissions (TPY):	0		0
(i) Total Facility Emissions (TPY):	0.13		0.26
(j) Title V Major Source Level (See Table):			100
(k) If (g) or (i)* is greater than (j) you are Title V major source and may wish to cap out (* see instructions)			STATE

March 24, 1993

date

TITLE V APPLICABILITY DETERMINATION
(One Form Per Contaminant)

Facility: Rochester Steel Treating

Location: 962 E. Main Street, Rochester, New York 14605

Location Code - Facility Code: 2614004 (Location Code) - 07611 (Facility Code)

CAS, Contaminant Name: ------ - --- - -- NO_x (Contaminant Name)

FACILITY OFFICIAL: Keith Heiden (SIGNATURE), **TITLE:** General Manager

(a) Emission Point ID	Hourly Emissions (lb/hr)			Time of Operation		Annual Emissions (TPY)		
	(b) ERP	(c) Actual	(d) Permissible	(e) hrs/day	(f) day/yr	[(c)(e)(f)/2000] Actual	[(d)(e)(f)/2000] Permissible	[(d)(8760)/2000] Potent. to Emit
00031	0.26	0.26		16	260	0.55		1.14

TITLE V APPLICABILITY SIGNIFICANCE LEVELS IN TPY

	Downstate	Upstate
NO_x	25	100
VOC	25	50
TSP/SO_2/CO	100	100
HAP/all HAPs	10/25	10/25
Pb	5	5

(g) Total Annual Emissions (TPY):	0.55		1.14
(h) Facility Fugitive Emissions (TPY):	0		0
(i) Total Facility Emissions (TPY):	0.55		1.14
(j) Title V Major Source Level (See Table):			100
(k) If (g) or (i)* is greater than (j) you are Title V major source and may wish to cap out (* see instructions)			STATE

March 24, 1993

date	

TITLE V APPLICABILITY DETERMINATION
(One Form Per Contaminant)

Facility: Rochester Steel Treating

Location: 962 E. Main Street, Rochester, New York 14605

Location Code - Facility Code: 2 6 1 4 0 0 (Location Code) - 0 7 6 1 (Facility Code)

CAS, Contaminant Name: 0 0 1 1 2 - 3 4 - 5 2-(2-butoxyethoxy)-ethanol (Contaminant Name)

FACILITY OFFICIAL: Keith Heiden (SIGNATURE), **TITLE:** General Manager

(a) Emission Point ID	Hourly Emissions (lb/hr)			Time of Operation		Annual Emissions (TPY)		
	(b) ERP	(c) Actual	(d) Permissible	(e) hrs/day	(f) day/yr	[(c)(e)(f)/2000] Actual	[(d)(e)(f)/2000] Permissible	[(d)(8760)/2000] Potent. to Emit
RST01	0.028	0.011		8	250	0.011		0.05

(g) Total Annual Emissions (TPY):	0.011		0.05
(h) Facility Fugitive Emissions (TPY):	0		0
(i) Total Facility Emissions (TPY):	1		2
(j) Title V Major Source Level (See Table):			10/25
(k) If (g) or (i)* is greater than (j) you are Title V major source and may wish to cap-out (* see instructions)			STATE

TITLE V APPLICABILITY SIGNIFICANCE LEVELS IN TPY

	Downstate	Upstate
NO_x	25	100
VOC	25	50
TSP/SO_2/CO	100	100
HAP/all HAPs	10/25	10/25
Pb	5	5

date	

TITLE V APPLICABILITY DETERMINATION
(One Form Per Contaminant)

Facility: Rochester Steel Treating

Location: 962 E. Main Street, Rochester, New York 14605

Location Code - Facility Code: 2614004 (Location Code) - 0761 (Facility Code)

CAS, Contaminant Name: 000079-01-6 Trichloroethylene (Contaminant Name)

FACILITY OFFICIAL: Keith Heiden (SIGNATURE), **TITLE:** General Manager

(a) Emission Point ID	Hourly Emissions (lb/hr)			Time of Operation		Annual Emissions (TPY)		
	(b) ERP	(c) Actual	(d) Permissible	(e) hrs/day	(f) day/yr	[(c)(e)(f)/2000] Actual	[(d)(e)(f)/2000] Permissible	[(d)(8760)/2000] Potent. to Emit
00031	0.46	0.46		16	260	1		2

(g) Total Annual Emissions (TPY):	1		2
(h) Facility Fugitive Emissions (TPY):	0		0
(i) Total Facility Emissions (TPY):	1		2
(j) Title V Major Source Level (See Table):			10/25
(k) If (g) or (i)* is greater than (j) you are Title V major source and may wish to cap out (* see instructions)			STATE

TITLE V APPLICABILITY SIGNIFICANCE LEVELS IN TPY

	Downstate	Upstate
NO_x	25	100
VOC	25	50
TSP/SO_2/CO	100	100
HAP/all HAPs	10/25	10/25
Pb	5	5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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WHITE - REGIONAL OFFICE
PINK - FIELD REP
YELLOW - APPLICANT

OP LOCATION FACILITY EMISSION POINT
A 2 6 1 4 0 0 0 7 6 1 0 0 1 0 0 1

A ADD
C CHANGE
D DELETE

READ INSTRUCTIONS CONTAINED IN FORM 76-11-12 BEFORE ANSWERING ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

SECTION A

1. NAME OF OWNER/FIRM: Rochester Steel Treating Works, Inc.
2. NUMBER AND STREET ADDRESS: 962 East Main Street
3. CITY - TOWN - VILLAGE: Rochester
4. STATE: NY
5. ZIP: 14605
6. OWNER CLASSIFICATION: A ☐ COMMERCIAL C ☐ UTILITY F ☐ MUNICIPAL I ☐ RESIDENTIAL; B ☒ INDUSTRIAL D ☐ FEDERAL G ☐ EDUC INST J ☐ OTHER; E ☐ STATE H ☐ HOSPITAL
7. NAME & TITLE OF OWNERS REPRESENTATIVE: Eric J. Vangellow
8. TELEPHONE: 716 546-3348
9. NAME OF AUTHORIZED AGENT: N/A
10. TELEPHONE:
11. NUMBER AND STREET ADDRESS:
12. CITY - TOWN - VILLAGE:
13. STATE:
14. ZIP:
15. NAME OF P.E. OR ARCHITECT PREPARING APPLICATION: N/A
16. NYS PE OR ARCHITECT LICENSE NO:
17. TELEPHONE:
18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT: Eric
19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM): N/A
20. FACILITY LOCATION (NUMBER AND STREET ADDRESS):
21. CITY - TOWN - VILLAGE:
22. ZIP:
23. BUILDING NAME OR NUMBER: Main Shop Floor
24. FLOOR NAME OR NUMBER: North East Corner
25. START UP DATE: MO 12 / YR 92
26. DRAWING NUMBERS OF PLANS SUBMITTED:
27. PERMIT TO CONSTRUCT: A ☒ NEW SOURCE B ☐ MODIFICATION
28. CERTIFICATE TO OPERATE: A ☐ NEW SOURCE C ☐ EXISTING SOURCE B ☐ MODIFICATION

SECTION B

29 EMISSION POINT ID.	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURES (FT)	32 STACK HEIGHT (FT)	33 INSIDE DIMENSIONS (IN)	34 EXIT TEMP (°F)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON (Winter Spring Summer Fall)
0 0 1 0 0	500	5	22	26	70	52	11,400		8	260	25 25 25 25

SECTION C

41. DESCRIBE PROCESS OR UNIT

1. Aluminum Anodizing utilizing 17%-19% Sulfuric Acid
3. Sodium Hydroxide Etch
5. Nitric Acid Etch
7. Alkaline Soak Cleaning
4.
6.
8.

SECTION D

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42.	43. 99	44.	45.	46. /	47.
48.	49.	50.	51.	52. /	53.

SECTION E

CALCULATIONS

SECTION F

CONTAMINANT NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS HOURLY/YEARLY	EMISSIONS PERMISSIBLE	% CONTROL EFFIC'CY	HOURLY EMISSIONS (LBS/HR) ERP	HOURLY EMISSIONS (LBS/HR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) ACTUAL	ANNUAL EMISSIONS (LBS/YR) 10*	ANNUAL EMISSIONS (LBS/YR) PERMISSIBLE
54. Sulfuric Acid	07664-93-9	56.	57.	58. D	59. .200	60. 1	61. Y	62.	63. 0	64.	65.	66.	67.	68.
69. Nitric Acid	07697-37-2	71.	72.	73. B	74. .100	75. 1	76. Y	77.	78. 0	79.	80.	81.	82.	83.
84. Sodium Hydroxide	01310-73-2	86.	87.	88. C	89. .150	90. 1	91. Y	92.	93. 0	94.	95.	96.	97.	98.
99.	100.	101.	102.	103.	104.	105.	106.	107.	108.	109.	110.	111.	112.	113.
114.	115.	116.	117.	118.	119.	120.	121.	122.	123.	124.	125.	126.	127.	128.
129.	130.	131.	132.	133.	134.	135.	136.	137.	138.	139.	140.	141.	142.	143.

SECTION G

SOLID FUEL TYPE	SOLID FUEL TONS/YR	% S	OIL TYPE	OIL THOUSANDS OF GALLONS/YR	% S	GAS TYPE	GAS THOUSANDS OF CF/YR	BTU/CF	APPLICABLE RULE	APPLICABLE RULE
144.	145. N/A	146.	147.	148. N/A	149.	150.	151. N/A	152.	153. 212	154.

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

155. SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT:

DATE:

AGENCY USE ONLY

156 LOCATION CODE	157 FACILITY ID. NO.	158 UTM (E)	159 UTM (N)	160 SIC NUMBER	161 DATE APPL. RECEIVED	162 DATE APPL. REVIEWED	163 REVIEWED BY:
2 6 1 4 0 0	0 7 6 1	2 8 9 1 7 7	8 1 8 3 9 7 1		/ /	/ /	

PERMIT TO CONSTRUCT

164 DATE ISSUED	165 EXPIRATION DATE	166 SIGNATURE OF APPROVAL	167 FEE
/ /	/ /		

168
1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
2. THIS IS NOT A CERTIFICATE TO OPERATE
3. TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

RECOMMENDED ACTION RE: C.O.

169 DATE ISSUED	170 EXPIRATION DATE	171 SIGNATURE OF APPROVAL	172 FEE
/ /	/ /		

173
1. ☐ INSPECTED BY _____ DATE _____
2. ☐ INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES INDICATED ON FORM
3. ☐ ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
4. ☐ APPLICATION FOR C.O. DENIED _____ DATE _____ INITIALED

174. SPECIAL CONDITIONS:

1. 2.
3. 4.
5. 6.
7. 8.

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR

SEQNC NO: 8-R-0140
RUN DATE: 10/05/87

261400 0201 00001 W I
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT
RENEWAL APPLICATION

OWNER	FACILITY	
(1) CURNOW INC	(6) CURNOW INC	(11) CONFIDENTIAL STATUS: NON-CONFIDNTL
(2) 1160 LEXINGTON AVENUE	(7) 1160 LEXINGTON AVENUE	(12) APPLICATION STATUS: IN COMPLIANCE
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14606	DATE OF LAST CHANGE: 05/07/83
(5) 14606	(10) REP: N J NOWASKI	PRIOR CO ISSUE DATE: 04/01/83
		PRIOR CO EXPIRATION DATE: 04/01/88

EMISSION POINT 00001
(41)UTM-E: 283.8 KM. (42)STACK HEIGHT: 25 FT. (43)EXIT VELOCITY: 51.60 FT/SEC (44)SIC: 3471 (45)AGENCY-CODE-1:
(46)UTM-N: 784.0 KM. (47)HT ABV STRUC: 5 FT. (48)EXIT FLOW: 11400.00 ACFM (49)CO FEE: $30.00 (50)AGENCY-CODE-2:
(51)GRND ELEV: 525 FT. (52)STK DIAM: 26 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1

UNIT 1
(55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 260 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A1204 ETCHING
(59)BLDG: MAIN (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. ETCHING

CONTROL EQUIPMENT (73)TYPE: 001 FAN (74)MFG: AEROVENT FG7-309 (75)ID: 01 (76)DATE INSTALLED:
(77)DISPOSAL METHOD: (78)USEFUL LIFE:

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS ACTUAL	EMISSIONS UNIT	EMISSIONS NON DET	EMISSIONS PERMISSIBLE	% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR) ACTUAL	10%	PERMISSIBLE
ODIUM HYDROXIDE	(085) 01310-73-2	(086) B	(087)	(088) 94	(089)	(090)	(091)	(092) .300	(093)624.000	(094) 0	(095) 2.080
ITRIC ACID MIST	(096) 07697-37-2	(097) B	(098)	(099) 94	(100)	(101)	(102)	(103) .200	(104)416.000	(105) 0	(106) 2.080
ULFURIC ACID	(107) 07664-93-9	(108) B	(109)	(110) 94	(111)	(112)	(113)	(114) .050	(115)104.000	(116) 0	(117) 2.080
OTAL LIQUID PART	(118) NY109-00-0	(119) B	(120) .550	(121) 01	(122) 09	(123) .550	(124)	(125) .550	(126) 1144	(127) 0	(128)

NOTE: Rochester Steel Treating Works, Inc. has purchased the assets of Curnow Inc. and is currently in process of constructing production/process area at its 962 East Main Street Location.

(15)PRIOR COMMENTS (16)BY MADONIA (17)DATE 03/25/83
1. OPERATION SAT.
2. NO ODOR OF ACIDS IN AREA
3.
4.
5.

(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /
1.
2.
3.
4.
5.

(27)LAST INSPECTION DATE / /
(21)INSPECTION STATUS
(22)DATE OF NEXT ACTION / /
(23)ISSUE DATE 04/01/88
(24)EXPIRATION DATE 04/01/93
(25)CO FEE 50

IRM REP'S SIGNATURE: Norbert J. Nowaski, Pres. DATE: 3/2/88

ISSUING OFFICER'S SIGNATURE: Albert W. Buttaro DATE: MAR 9 1988

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DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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PINK - FIELD REP
YELLOW - APPLICANT

OP | LOCATION | FACILITY | EMISSION POINT | I

A ADD
C CHANGE
D DELETE

READ INSTRUCTIONS CONTAINED IN FORM 76-11-12 BEFORE ANSWERING ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

SECTION A

1. NAME OF OWNER/FIRM: Rochester Steel Treating Works, Inc.
9. NAME OF AUTHORIZED AGENT: N/A
10. TELEPHONE:
19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM): N/A
2. NUMBER AND STREET ADDRESS: 962 East Main Street
11. NUMBER AND STREET ADDRESS:
20. FACILITY LOCATION (NUMBER AND STREET ADDRESS):
3. CITY - TOWN - VILLAGE: Rochester | 4. STATE: NY | 5. ZIP: 14605
12. CITY - TOWN - VILLAGE | 13. STATE | 14. ZIP
21. CITY - TOWN - VILLAGE | 22. ZIP
6. OWNER CLASSIFICATION: A ☐ COMMERCIAL B ☒ INDUSTRIAL C ☐ UTILITY D ☐ FEDERAL E ☐ STATE F ☐ MUNICIPAL G ☐ EDUC INST H ☐ HOSPITAL I ☐ RESIDENTIAL J ☐ OTHER
15. NAME OF P.E. OR ARCHITECT PREPARING APPLICATION: N/A | 16. NYS P.E. OR ARCHITECT LICENSE NO. | 17. TELEPHONE
23. BUILDING NAME OR NUMBER: Main Shop Floor | 24. FLOOR NAME OR NUMBER: North East Corner
25. START UP DATE: MO 12 / YR 92
26. DRAWING NUMBERS OF PLANS SUBMITTED
7. NAME & TITLE OF OWNERS REPRESENTATIVE: Eric J. Vangellow | 8. TELEPHONE: 716 546-3848
18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT: Eric Vangellow
27. PERMIT TO CONSTRUCT: A ☒ NEW SOURCE B ☐ MODIFICATION
28. CERTIFICATE TO OPERATE: A ☐ NEW SOURCE B ☐ MODIFICATION C ☐ EXISTING SOURCE

SEC. B

29 EMISSION POINT ID.	30 GROUND ELEVATION (FT)	31 HEIGHT ABOVE STRUCTURES (FT)	32 STACK HEIGHT (FT)	33 INSIDE DIMENSIONS (IN)	34 EXIT TEMP (°F)	35 EXIT VELOCITY (FT/SEC)	36 EXIT FLOW RATE (ACFM)	37 SOURCE CODE	38 HRS/DAY	39 DAYS/YR	40 % OPERATION BY SEASON (Winter / Spring / Summer / Fall)
0 1 1 0 0	500	5	22	26	70	52	11,400		8	260	25 / 25 / 25 / 25

SEC. C

41. DESCRIBE PROCESS OR UNIT

1. Aluminum Anodizing utilizing 17%-19% Sulfuric Acid
2. Alkaline Soak Cleaning
3. Sodium Hydroxide Etch
4.
5. Nitric Acid Etch
6.
7.
8.

SEC. D

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42	43 99	44	45	46 /	47
48	49	50	51	52 /	53

SECTION E

CALCULATIONS

SECTION F

54 CONTAMINANT NAME	55 CAS NUMBER	56 INPUT OR PRODUCTION	57 UNIT	58 ENV. RATING	EMISSIONS: 59 ACTUAL	60 UNIT	61 HOURLY LBS	62 PERMISSIBLE	63 % CONTROL EFFIC'CY	HOURLY EMISSIONS (LBS/HR): 64 EMP	65 ACTUAL	ANNUAL EMISSIONS (LBS/YR): 66 ACTUAL	67 ID#	68 PERMISSIBLE
54 Sulfuric Acid	55 7664-93-9	56	57	58	59 .200	60 1	61 96	62 -	63	64	65	66	67	68
69 Nitric Acid	70 7697-37-2	71	72	73	74 .100	75 .1	76 9	77	78	79	80	81	82	83
84 Sodium Hydroxide	85 01310-73-2	86	87	88	89 .150	90 1	91 9	92	93	94	95	96	97	98
99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143

SEC. G

SOLID FUEL TYPE	144	145 TONS/YR	146 %S	OIL TYPE	147	148 THOUSANDS OF GALLONS/YR	149 %S	GAS TYPE	150	151 THOUSANDS OF CF/YR	152 BTU/CF	APPLICABLE RULE	153	APPLICABLE RULE	154
		N/A				N/A				N/A					

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

155 SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT | DATE

AGENCY USE ONLY

156 LOCATION CODE	157 FACILITY ID. NO.	158 U T M (E)	159 U T M (N)	160 SIC NUMBER	161 DATE APPL. RECEIVED	162 DATE APPL. REVIEWED	163 REVIEWED BY:
				3 9 7 1	/ /	/ /	

PERMIT TO CONSTRUCT

164 DATE ISSUED	165 EXPIRATION DATE	166 SIGNATURE OF APPROVAL	167 FEE
/ /	/ /		

168
1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT
2. THIS IS NOT A CERTIFICATE TO OPERATE
3. TESTS AND/OR ADDITIONAL EMISSION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE

RECOMMENDED ACTION RE: C.O.

169 DATE ISSUED	170 EXPIRATION DATE	171 SIGNATURE OF APPROVAL	172 FEE
/ /	/ /		

173
1. ☐ INSPECTED BY _____ DATE _____
2. ☐ INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES INDICATED ON FORM
3. ☐ ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT
4. ☐ APPLICATION FOR C.O. DENIED _____ DATE _____ INITIALED

174 SPECIAL CONDITIONS:

1.	2.
3.	4.
5.	6.
7.	8.

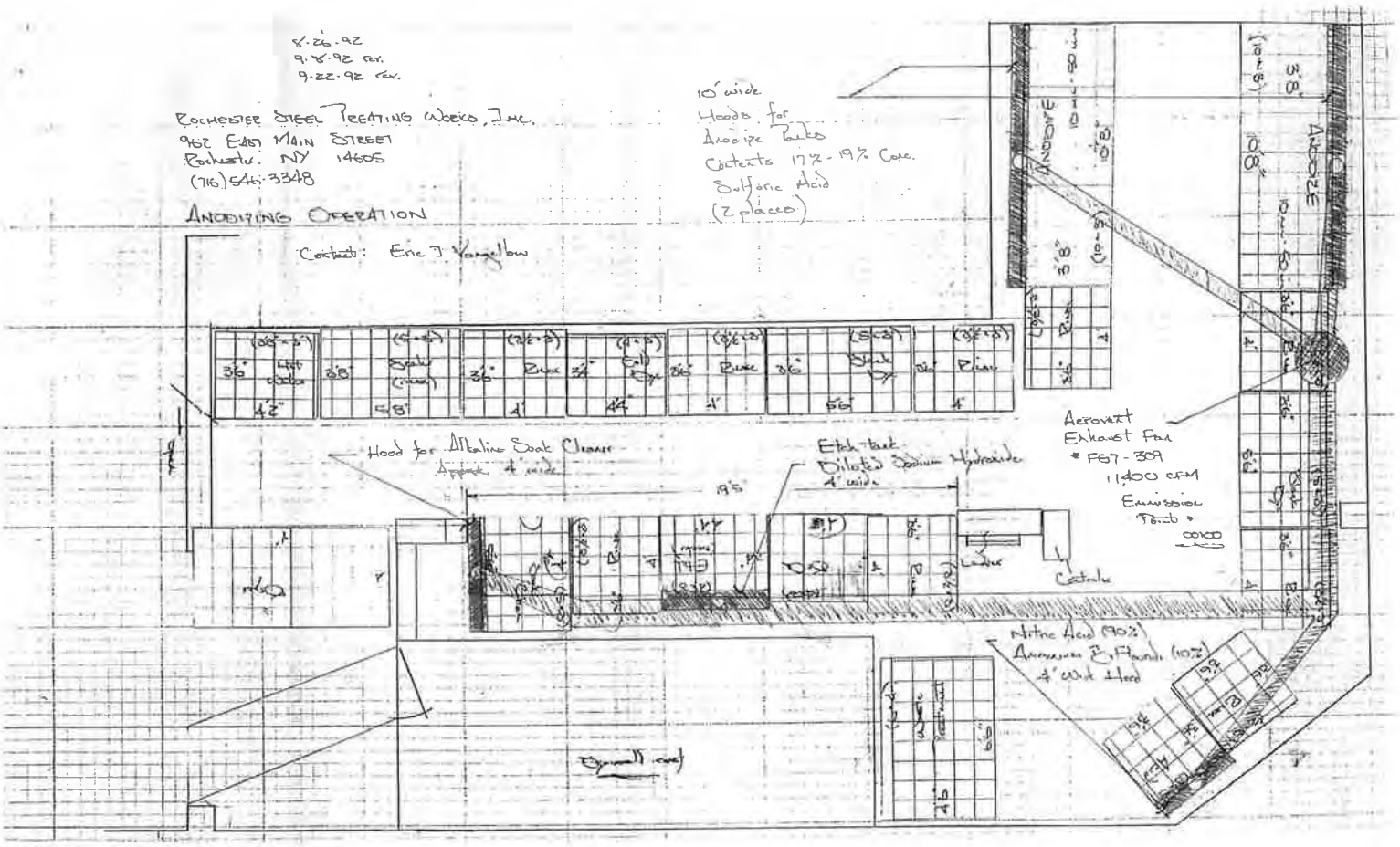
8.26.92
9.8.92 rev.
9.22.92 rev.

Rochester Steel Treating Works, Inc.
962 East Main Street
Rochester, NY 14605
(716) 546-3348

ANODIZING OPERATION

Contact: Eric J. Vangellow

10' wide
Hoods for
Anodize Tanks
Contents 17% - 19% Conc.
Sulfuric Acid
(2 placed)



CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA

Facility Name: Metro-North Railroad – Poughkeepsie Station

Facility Address: 41 Main Street, Route 9 Interchange, Poughkeepsie, New York

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

Yes___ No_X

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?

Yes___ No_X

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility cold cause injury to fish and wildlife and sensitive environments?

Yes___ No_X

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility would shut down a public drinking water intake?

Yes___ No_X

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,00 gallons within the last 5 years?

Yes___ No_X

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature Garrett S. Huebner

Name (please type or print) Garrett S. Huebner

Title Train master

Date 6/13/16

METRO-NORTH RAILROAD MANAGEMENT STATEMENT OF APPROVAL
[40 CFR Part 112.7]

This SPCC Plan will be implemented as herein described and Section XXII Action Items will be reviewed and acted upon.

Signature Garrett S. Kuehner

Name Garrett S. Kuehner

Title Train master

Date 6/13/16

Application for Access to Records
Freedom of Information Law (FOIL)
Monroe County, New York

I hereby apply to ○ inspect (X) obtain a copy of the following records:*

Please be specific:

1) MCDOH Records
2) Local Waste Sites Within ½ mile

for the following property:

962, 966 + 972-974 E. Main St.
Rochester, NY

Name: Sandi Miller *Signature:* Sandi Miller

Representing: (if applicable) Day Environmental, Inc. *Date:* 5-12-16

Mailing Address: 1563 Lyell Ave. *Telephone: (include area code)* 585-454-0210 x 122

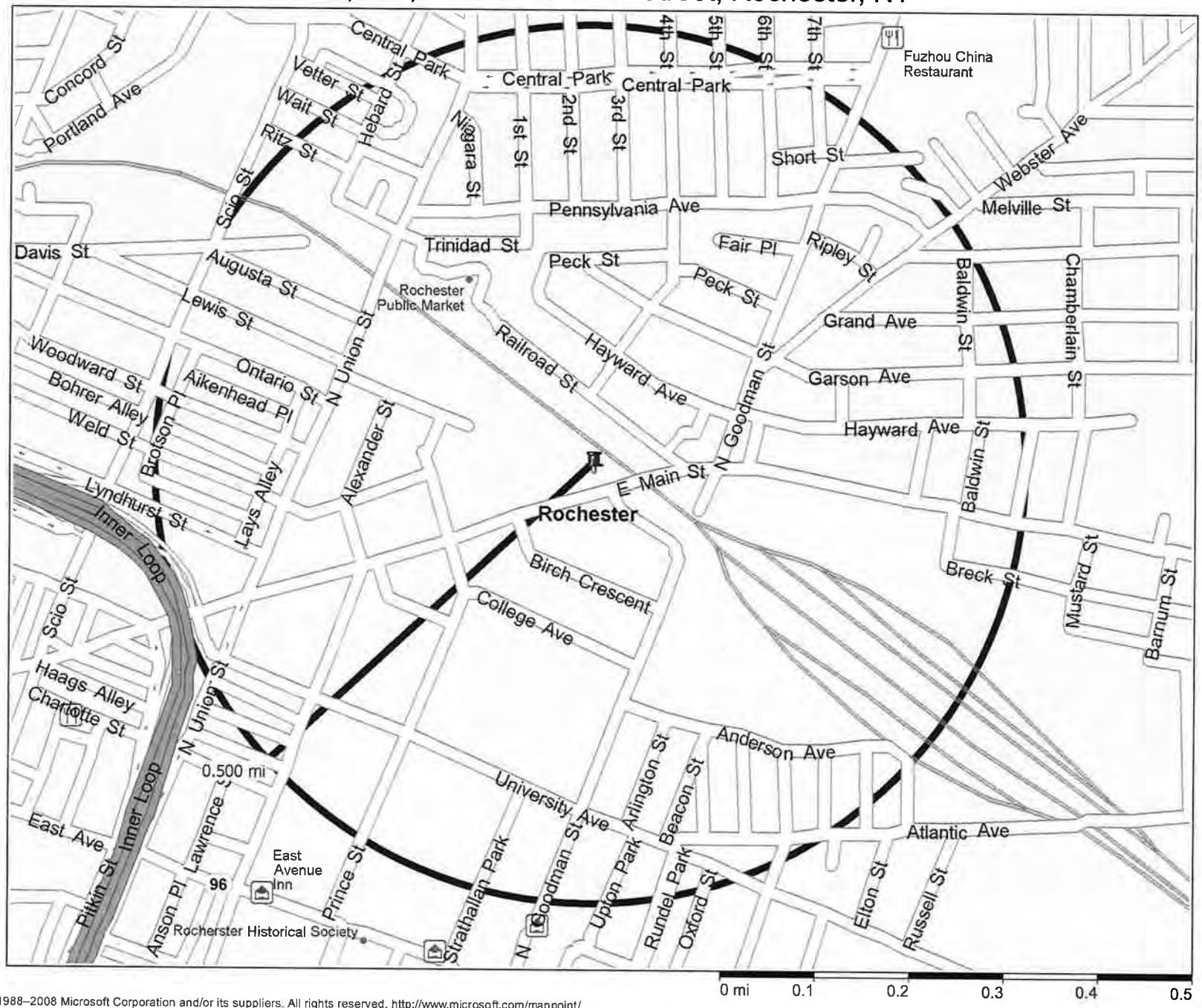
City, state, zip code: Rochester, NY 14606 Job # 52482-16

**There is no charge for the inspection of documents; however, if duplication is requested by you, a charge of $.25 per page is payable to Monroe County.*

Notice: You have a right to appeal denial of this application.

Send Request to:
Monroe County Access Officer
204 County Office Building • 39 West Main Street • Rochester, New York 14614
Phone: (585) 753-1080 • *fax:* (585) 753-1068 • *www.monroecounty.gov*

962, 966, 972-974 E. Main Street, Rochester, NY



RECEIVED JUN 15 2016

Department of **Communications**
Monroe County, New York

Cheryl Dinolfo, County Executive **William W. Napier**, Director

June 10, 2016

Sandi Miller
Day Environmental, Inc.
1563 Lyell Ave.
Rochester, NY 14606

5248E16

RE: Freedom of Information Request # 16-1485

Dear Ms. Miller,

Your request for information under the Freedom of Information Law (F.O.I.L.) has been approved as to existing records.

Please remit payment in the amount of $0.75, along with the enclosed invoice, to cover copying expenses. Checks can be made payable to Monroe County and mailed to: Freedom of Information, 39 West Main Street, Room 204, Rochester, New York, 14614.

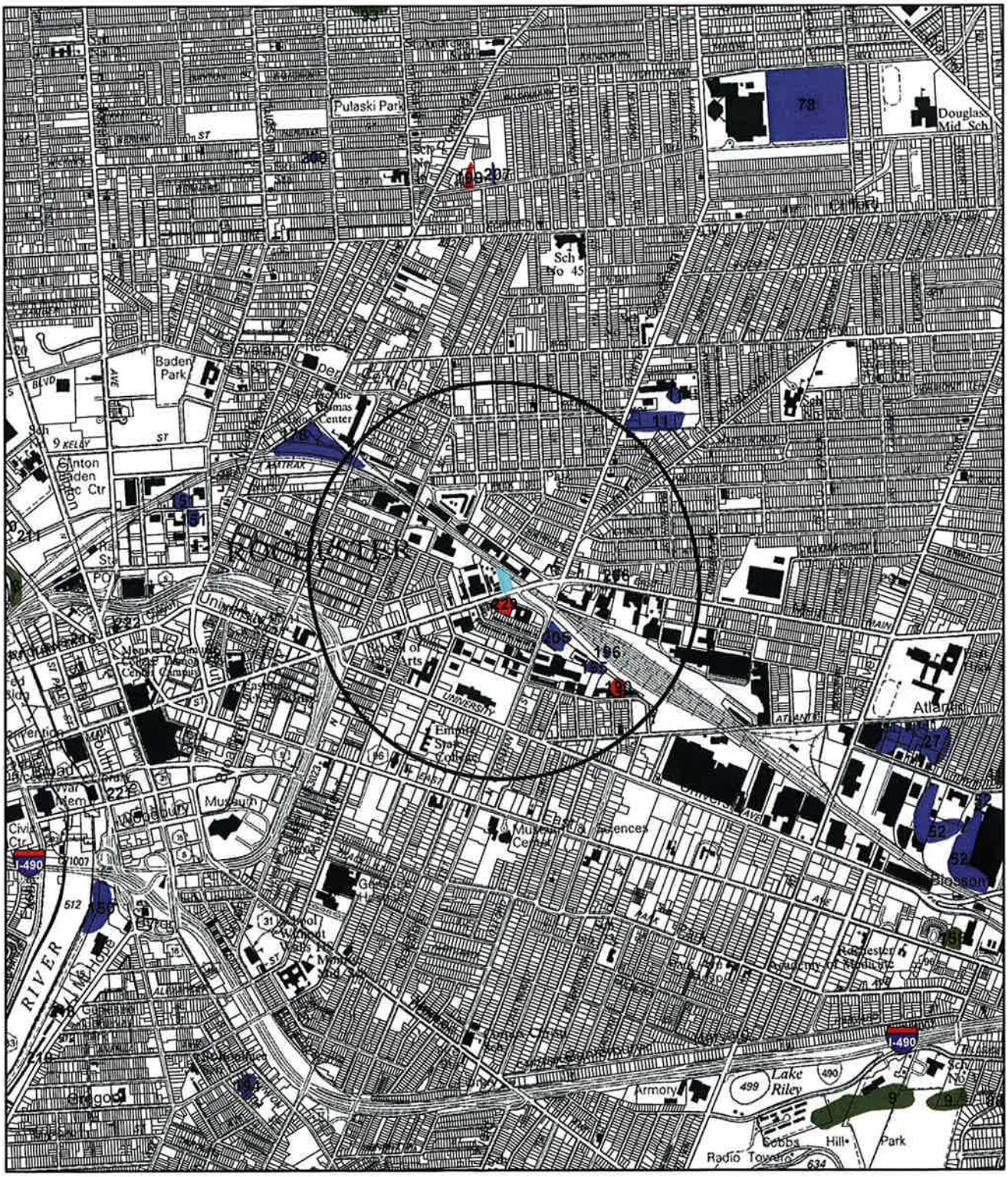
At this time the Monroe County Department of Communication now considers this request closed.

You may appeal this decision, in writing, within 30 days. The Appeals Officer for Monroe County is Thomas Van Strydonck, 39 W. Main Street, Suite 110, Rochester, New York, 14614.

Sincerely,

William W. Napier
Records Access Officer

Re: 962, 966 & 972-974 East Main Street, Rochester, NY 14605



citysites

DEFINITION **(SEE SITE DESCRIPTION PAGE)**

- Confirmed Waste Site
- Inactive Hazardous Waste Site
- Suspected Fill Site

2,000 1,000 0 2,000 Feet

Note: Monroe County does not certify or warrant that this map is accurate or complete. Sites may be added or deleted or boundaries revised as more information becomes available. Site locations may not be exact.

Re: 962, 966 & 972-974 East Main Street, Rochester, NY 14620

Site #	Type of Waste
RO 155	Construction/Demolition
RO 178	Scrap material
RO 190	Petroleum products, industrial chemicals, solvent DEC Registry Code: 828088; Class: 4 State Superfund
RO 196	Acetone, #2 fuel oil, xylene
RO 205	Petroleum hydrocarbons DEC Registry Code: C828115; Class: C Brownfield Cleanup Program
RO 206	Petroleum hydrocarbons DEC Registry Code: B00129; Class: A Environmental Restoration
RO 229	PCE, TCE DEC Registry Code: 828160; Class: 02 State Superfund

18

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
Phone: (585) 226-5415 • Fax: (585) 226-2909
Website: www.dec.ny.gov

Joe Martens
Commissioner

June 6, 2012

Mr. Keith Heiden
Technical Director
Rochester Steel Treatment Works Inc.
962 East Main Street
Rochester, New York 14605

Dear Mr. Heiden:

RE: Hazardous Waste Compliance Inspection Date: 05/24/12
Location of Handler: Same as Above
EPA Identification No.: NYD002220457

In order to determine compliance with the New York State hazardous waste regulations, the New York State Department of Environmental Conservation conducted an inspection of your facility on the above referenced date.

As a result of that inspection, we believe that your facility is operating as a small quantity generator of hazardous waste.

No violations of the New York State hazardous waste regulations were observed by the inspector on the inspection date referenced above.

Please be advised that your facility is under the continuing obligation to comply with all the applicable State and federal regulations regarding the management of hazardous waste.

Please note that this letter in no way addresses any liability you may have for any regulatory fees and hazardous waste special assessment fees. A copy of the inspection report is not enclosed, but if you would like to review a copy, please contact me at 585-226-5415. Thank you for your cooperation.

Sincerely,

Michael Khalil, P.E.
Environmental Engineer
Division of Environmental Remediation

MK:map

cc: Juzer Rasani, NYSDEC - Albany 7251
RCRARPTS, NYSDEC – Albany
Monroe County Health Department

City of Rochester

RECORDS ACCESS APPLICATION

(Please print or type)

May 12, 2016
Date

Sandi Miller
Print Name

Day Environmental, Inc.
Representing

(585) 454-0210 (ext. 122)
Telephone #

1563 Lyell Avenue
Mailing Address

Rochester, New York 14606

Sandi Miller
Signature

I hereby apply to inspect ☐ and / or copy ☒ the following record(s):

Bldg. Dept.:
1. Complaints/violations
2. Permits
3. Spills, Leaks, environmental issues

Fire Dept.:
1. Storage tanks
2. Fire incident reports
3. Spills, leaks, environmental issues
4. Hazardous materials

Claim #

E-mail address:

Property Address:
962, 966 + 972-974 E. Main St
(SBL #s 106.75-1-6.001; 106.75-1-7.001; 106.75-1-8.001)

Return completed application to:
Records Access Officer
Bureau of Communications
City Hall, 30 Church Street, Room 202A
Rochester, New York 14614-1287
or FAX to: (585) 428-7069

There is a 25¢ per page charge for copying most records.
For more information on public access to records,
call (585) 428-6066.

FOR AGENCY USE ONLY

☐ **Approved**

☐ **Partially Approved**

☐ **Denied**

☐ **Record not maintained by the City**

Records Access Officer

Date

FOR APPEAL ONLY

If you wish to appeal the Record Access Officer's decision on your application for public access to records, sign below and send this form within 30 days to:

Corporation Counsel
City Hall, 30 Church Street, Room 400A
Rochester, New York 14614-1295

I hereby appeal:

Signature

Date

City of Rochester

RECORDS ACCESS APPLICATION

(Please print or type)

May 12, 2016
Date

Sandi Miller
Print Name

Day Environmental, Inc.
Representing

(585) 454-0210 (ext. 122
Telephone #

1563 Lyell Avenue
Mailing Address

Rochester, New York 14606

Sandi Miller
Signature

I hereby apply to inspect ☐ and / or copy ☒ the following record(s):

Assessor's Office:
1) Copies of property cards
2) Copy of tax map of the area of the parcels

Claim #

E-mail address:

Property Address:
962, 966 & 972-974 E. Main St
(SBL #s: 106.75-1-6.001; 106.75-1-7.001; 106.75-1-8.001)

Return completed application to:
Records Access Officer
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Rochester, New York 14614-1287
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☐ **Approved**

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Records Access Officer

Date

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If you wish to appeal the Record Access Officer's decision on your application for public access to records, sign below and send this form within 30 days to:

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City Hall, 30 Church Street, Room 400A
Rochester, New York 14614-1295

I hereby appeal:

Signature

Date

APPENDIX E

INTERVIEW DOCUMENTATION

ASSESSMENT INTERVIEW
GENERAL INFORMATION

Ask the person interviewed to be as specific as reasonably feasible in answering questions, and to answer the questions in good faith and to the extent of their knowledge.

1) PERSON INTERVIEWED: Brian Miller / Keith Heiden

2) TITLE: Chief Operating Officer/Technical Director

3) YEARS IN POSITION: 4

YEARS AT SITE: 20/60

4) CURRENT DATE: 5/20/2016

5) JOB NUMBER: 5248E-16

6) PURPOSE OF ASSESSMENT: Potential Transaction

7) PROPERTY OWNER: E.F. Miller CP & G

7A) OWNED SINCE: 1984

8) PREVIOUS OWNER: Irv Heiden

8A) OWNED SINCE: 1964

9) PROPERTY SIZE: Unknown

10) NUMBER OF PARCELS: 3

11) DO ANY OF THE FOLLOWING EXIST FOR THE ASSESSED PROPERTY? (Building diagrams, plans, maps, photographs, spec. books, commercial appraisals, engineering/environmental reports from investigations)

Yes, survey and site plans provided to DAY.

12) PRESENT LAND/PROPERTY USE: Industrial

13) PREVIOUS LAND/BUILDING USE: Safe and Lock Company, Hotel and Bar

14) Do any of the following exist for the assessed property?

a. Environmental site assessment/audit reports: Yes
b. Environmental permits (i.e., solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits): Yes
c. Registrations for USTs or ASTs: Yes
d. Material safety data sheets: Yes
e. Community right-to-know plan: Yes
f. Safety plan; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc.: Yes
g. Reports regarding hydrogeologic conditions on the property or surrounding area: No
h. Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property: No
i. Hazardous waste generator notices or reports: Yes
j. Geotechnical studies: No

15) IS THE PROPERTY CURRENTLY USED, OR HAS IT PREVIOUSLY BEEN USED, AS ANY OF THE FOLLOWING: AN INDUSTRIAL OR MANUFACTURING OPERATION, A GASOLINE STATION, A MOTOR REPAIR FACILITY, A COMMERCIAL PRINTING FACILITY, A DRY CLEANERS, A PHOTO-DEVELOPING LABORATORY, A JUNKYARD OR A LANDFILL, OR AS A WASTE TREATMENT, STORAGE, DISPOSAL, PROCESSING OR RECYCLING FACILITY? (YES, NO, UNKNOWN)

Industrial manufacturing operations

16) ADJACENT SITES (CURRENT & PAST):

ARE ANY ADJOINING PROPERTIES CURRENTLY USED, OR HAVE THEY PREVIOUSLY BEEN USED AS ANY OF THE FOLLOWING: AN INDUSTRIAL OR MANUFACTURING OPERATION, A GAS STATION, A MOTOR REPAIR FACILITY, A COMMERCIAL PRINTING FACILITY, A DRY CLEANERS, A PHOTO-DEVELOPING LABORATORY, A JUNK YARD OR A LANDFILL, OR AS A WASTE TREATMENT STORAGE, DISPOSAL PROCESSING, OR RECYCLING FACILITY?

Staub's Cleaners (former dry cleaning operation) is located to the south

17) DESCRIPTION OF TOPOGRAPHY & SURFACE DRAINAGE (ANY CREEKS, DITCHES):

The assessed property slopes down to the north and west. A catch basin and a trench drain were observed on the exterior. A cut in the pavement on the north portion of the property allows water to drain to the property to the east (railroad property).

****

BUILDING(S) INFORMATION

18) BUILDING(S) AGE/SIZE/LOCATIONS: One/13,000 square feet/central-north

19) ANY ADDITIONS (AGE/SIZE/LOCATIONS): The main portion of the building was constructed in the 1930s, the eastern portion in 1976 and the northeast portion in 1988

20) NUMBER OF FLOORS: Single with a mezzanine in the north portion

21)BASEMENT,CRAWLSPACE,ATTIC: No

22) TYPE OF HEAT: Natural gas/electric

22A) Has the facility ever been heated with oil in the past? No

22B) IF OIL, ANY TANKS: -

23) BLDG(S) TIED TO SANITARY SEWER: Yes

23A) IF SO, DATE OF CONNECTION: Original

24) WAS FACILITY EVER ON SEPTIC/DRYWELL: No

24A) IF SO, LOCATION OF LEACHFIELD: -

24B) HOW OFTEN IS SEPTIC TANK PUMPED OUT: -

25) ANY FLOOR DRAINS: Yes.

25A) IF SO, LOCATION(S):
Floor drains located in the building have been sealed. The trench drain to the west of the current black oxide line is not in use, and has never discharged anywhere. There were floor drains in the former location of the black oxide line which were sealed when the line was moved in 1988. The former black oxide line was located to the west of the current black oxide line. The floor drains in the vacuum room were sealed before E. F. Miller CP & G purchased the building in 1984. The method of sealing of the floor drains is unknown. Mr. Miller stated that he thinks the floor drains in the vacuum room may never have been active.

25B) CONNECTED TO OIL/WATER SEPARATOR: No

25C) DISCHARGE POINT(S): Prior to disconnection the discharge point of the floor drains was the sanitary sewer

26) ANY SUMPS: No. one crock was observed in the southeast portion of the building. This had been filled in with concrete.

26A) IF SO, LOCATION/DISCHARGE POINT(S): -

****

BUILDING(S) INFORMATION (Cont.)

27) HAVE THERE EVER BEEN ANY FOUL ODORS OBSERVED EMANATING FROM DRAINS, SUMPS, OR OTHER LOCATIONS IN THE BUILDING OR ON THE PROPERTY?

No

28) IS THERE ANY WASTEWATER (OTHER THAN SANITARY) DISCHARGE ON-SITE OR ONTO ADJOINING PROPERTIES?

The black oxide line has treated water discharge to the sanitary sewer

29) IS FACILITY SERVICED BY PUBLIC WATER: Yes

30) ANY WELLS ON SITE (CURRENTLY/PAST): No

Potable water wells, monitoring wells, etc.

30A) IF SO, STILL USED/ACCESSIBLE: -

30B) IF SO, LOCATION: -

31) INSULATION:

W = Between walls	S = Spray On	I = Blown-in
C = Ceiling	B = Batting	R = Rigid
F = Floors	P = Poured	

Concrete block for majority of shop

32) ROOFING MATERIAL (e.g. asphalt shingle, rolled rubber, rolled asphalt paper):

Rubber membrane

32A) ORIGINAL ROOFING MATERIAL: Rubber?

****

BUILDING DEMOLITION

33) ANY BUILDINGS DEMOLISHED? Yes

33A) IF SO, WHEN: A hotel located on the southeast portion of the assessed property was demolished in 1978

BUILDING SIZE/LOCATION: Unknown / southeast portion of assessed property

OPERATIONS IN BLDG: Hotel/restaurant

MAT. STORED IN BLDG: Restaurant supplies

****

BUILDING DEMOLITION (Cont.)

BASEMENT FILLED IN: yes, with fill of unknown origin

FLOOR DRAINS/SUMPS: Unknown

IF SO, DISCHARGE LOCATION: -

SEPTIC/LEACH FIELD: No

DEMO. CONTRACTOR: Spezio Construction

DISPOSAL LOCATION: Unknown

COMMENTS: Sinkholes have occurred in the parking lot (approximately 5 and 10 years ago). These have been dug up and refilled.

****

SITE HISTORY

34) HAS ANY TYPE OF MATERIAL EVER BEEN FILLED, BURIED OR DUMPED ON OR ADJACENT TO THE PROPERTY: (e.g. clean fill, ash, c/d debris, waste oil for dust suppression, etc.)

Fill material used on south portion of assessed property and adjoining property to the southeast when the grade at East Main Street was raised for construction of bridge located across East Main Street to the southeast of the assessed property

35) HAS THERE EVER BEEN ANY SIGNIFICANT SOIL STAINING ON THE PROPERTY?

No

36) HAVE ANY SOIL SAMPLING, GROUNDWATER SAMPLING, GEOTECHNICAL, ENGINEERING OR ENVIRONMENTAL INVESTIGATIONS EVER BEEN CONDUCTED ON THE PROPERTY: (If so, when and by whom; is copy of report available)

Possibly a soil sampling report ~25 years ago. No further information or copies are available

37A) DO YOU KNOW OF ANY PENDING, THREATENED, OR PAST LITIGATION RELEVANT TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE PROPERTY: No

****

SITE HISTORY (Cont.)

37B) DO YOU KNOW OF ANY PENDING, THREATENED, OR PAST ADMINISTRATIVE PROCEEDINGS RELEVANT TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE PROPERTY: No

37C) DO YOU KNOW OF ANY NOTICES FROM ANY GOVERNMENTAL ENTITY REGARDING ANY POSSIBLE VIOLATION OF ENVIRONMENTAL LAWS OR POSSIBLE LIABILITY RELATING TO HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS IN, ON, OR FROM THE ASSESSED PROPERTY: No

37D) HAVE THERE BEEN ANY ENVIRONMENTAL LIENS ON THE SITE, OR IN THE VICINITY OF THE SITE? No

38) DOES THE FACILITY CURRENTLY HAVE, OR HAS IT HAD IN THE PAST, ANY PERMITS (E.G. STATE/FEDERAL AIR, WASTEWATER (SPDES), SURFACE WATER, CONSTRUCTION/DEMOLITION):

Yes, wastewater

39) HAS THE FACILITY EVER BEEN THE SUBJECT OF ANY COMPLAINTS OR VIOLATIONS. IF SO, DESCRIBE: Yes
In approximately 2006 RSTW received a phone call from Otis Lumber stating that ammonia odor was noticeable. This was due to a clog in the exhaust system of the gas nitrator (i.e., operating equipment). The gas nitrator is located in the west portion of the building. A formal complaint was not reported

40) HAS ANY TYPE OF MATERIAL (GREATER THAN 5 GALLONS IN QUANTITY) EVER BEEN SPILLED ON THE PROPERTY OR IN THE BUILDING(S):

No

41) HAVE THERE EVER BEEN ANY ACTIONS RELATING TO THE RELEASE OF A HAZARDOUS SUBSTANCE ON SITE OR ON ADJOINING SITES? No

42) HAVE THERE EVER BEEN ANY FIRES AT THE FACILITY. IF SO, DESCRIBE:

A small fire resulted from a generator blowing flame which ignited a wood frame roof. No major damage or interruption to operation resulted from the fire

43) HAVE THERE EVER BEEN ANY PITS, PONDS OR LAGOONS ON THE PROPERTY? IF YES, ARE THESE PITS, PONDS, OR LAGOONS ASSOCIATED WITH WASTE TREATMENT ACTIVITIES, HAZARDOUS SUBSTANCES, OR PETROLEUM PRODUCTS?

****

AGRICULTURAL ACTIVITY

44) HAS THE PROPERTY EVER BEEN FARMED IN LAST TEN YEARS: No

44A) IF SO, CROPS/YEARS: -

45) HAS THE PROPERTY EVER CONTAINED ORCHARDS: -

45A) IF SO, FRUIT/YEARS: -

46) HAVE PESTICIDES EVER BEEN USED OR STORED ON THE PROPERTY: No

46A) IF SO, DESCRIBE: -

47) DOES THE PROPERTY CONTAIN A COMPOST PILE/DUMP OR POND: No

47A) IF SO, LOCATION: -

****

TANK & DRUM INFORMATION

48) ARE THERE NOW, OR HAVE THERE EVER BEEN, ANY STORAGE TANKS AT THE FACILITY (E.G. FUEL OIL, GASOLINE, WASTE OIL, CHEMICALS): Yes

48A) IF YES, PLOT LOCATION(S) ON MAP AND PROVIDE THE FOLLOWING INFO.:

TANK #	LOCATION	SIZE	MATERIAL STORED	DATE INSTALLED	DATE REMOVED
1	Southeast exterior	11,000 gal	Nitrogen	2013	Not Applicable
2	South exterior	500 gal	Ammonia	~40 years ago	Not Applicable
3	West	2 x 110 gal	Trichloroethylene	Early 1990s*	Not Applicable

*Secondary Containment installed at this time

49) HAS THE TANK(S) EVER BEEN PRESSURE TESTED: Unknown

49A) IF SO, WHEN, BY WHOM, COPY OF RESULTS: -

50) HAS THE TANK BEEN REGISTERED WITH THE NYSDEC, USEPA, OR LOCAL AGENCY: Yes

****

TANK & DRUM INFORMATION

51) DOES THE TANK(S) HAVE ANY TYPE OF LEAK DETECTION. IF SO, DESCRIBE:

No

52) HAVE ANY TANKS EVER BEEN CLOSED IN-PLACE OR REMOVED FROM THE SITE:

Yes. A 1,100 gallon methanol underground storage tank was closed in place. The methanol was used to create exothermic atmosphere .
The current 11,000 gallon nitrogen tank replaced a 9.000 gallon nitrogen tank in 2013.

(IF YES, REFER TO TANK REMOVAL/CLOSURE FORM)

52A) ARE ANY CLOSURE/REMOVAL REPORTS AVAILABLE FOR REVIEW?

Day has a copy of the closure report for the methanol tank . The nitrogen tank was removed by Air Products

53) HAS ANY CONTAMINATION BEEN IDENTIFIED OR REMEDIATION EVER BEEN REQUIRED REGARDING ANY TANK(S) ON THE PROPERTY:

No

****

MATERIALS STORAGE

54) ARE ANY MATERIALS/CHEMICALS STORED ON THE PROPERTY:

54A) IF SO, DESCRIBE LOCATION, TYPE OF CHEMICALS, QUANTITIES STORED AND CONTAINERS USED:

Quench oil, various chemicals used in the black oxide line, biocide chemicals are stored in the manufacturing area

54B) IF SO, HAVE ANY CONTAINERS OF MATERIALS EVER LEAKED OR SPILLED:

No, none over five gallons

54C) IF SO, HAS ANY TESTING AND/OR REMEDIATION BEEN REQUIRED FOR LEAKS/SPILLS:

No

****

WASTE DISPOSAL

55) ARE SOLID WASTES (i.e. paper, rags, filters, etc.) GENERATED FROM OPERATIONS OR ACTIVITIES AT THIS SITE: Yes IF SO:

TYPE OF WASTE	PROCESS/ ACTIVITY	STORAGE LOCATION	DISPOSAL COMPANY
Light Bulbs	Typical use	Hazardous Waste Lockup	Solvents and Petroleum Services, Inc.
Absorbent	Spills	Hazardous Waste Lockup	Solvents and Petroleum Services, Inc.

56) ARE ANY OTHER WASTES MATERIALS (e.g., waste oil, waste paint, waste solvents, medical waste etc.) GENERATED AT THIS FACILITY: Yes

56A) IF SO, PLEASE DESCRIBE:

Waste oil, TCE/oil, sand blasting waste (these are removed by Solvents and Petroleum Services, Inc.)

Black Oxide Sludge (this is removed by Clean Harbors)

56B) ARE WASTE MANIFESTS OR ANY OTHER PERMITS/PAPERWORK AVAILABLE (e.g. HAULER, ID#, WASTE TYPE):

Yes, DAY will have waste manifests in the compliance files

****

PCB MATERIALS INFORMATION

57) HAVE PCB MATERIALS EVER BEEN USED AT THE FACILITY (e.g. transformers, volt regulators, capacitors, switches, hydraulic equipment):

Unknown, but it is possible that hydraulic equipment manufactured prior to the 1980s was formerly present

****

TRANSFORMERS

58) ARE TRANSFORMERS LOCATED ON THE PROPERTY? (INTERIOR OF BUILDING OR ON THE EXTERIOR PORTION OF THE PROPERTY).

58A) IF SO, LOCATION AND AGE:

One oil transformer (2000 amp) is located south of the building. Age is unknown. This transformer had a fire in 1997.

Two Bus Duct transformers (dry) are located in the building; one is at the bottom of the stairs and one is in the storage room.

Three vacuum furnaces (#1, #2, and #5) have water-cooled, dry transformers

****

TRANSFORMERS (cont.)

58B) IF TRANSFORMER, WET/DRY, POLE OR GROUND-MOUNTED:

See above

58C) OWNERSHIP (PRIVATE OR UTILITY):

The oil transformer is owned by RG&E, dry transformers are private

58D) IF PRIVATE, WHO MAINTAINS:

In-house personnel

58E) HAS ANY OF THIS EQUIPMENT EVER BEEN TESTED FOR PCB MATERIAL (if so, when and by whom; results):

No

58F) HAVE THERE BEEN ANY LEAKS OR SPILLS ASSOCIATED WITH ANY OF THIS EQUIPMENT:

No

****

ASBESTOS MATERIALS INFORMATION

Is asbestos being evaluated as part of this assessment? (No)
Does the age of the building suggest the presence of asbestos? Yes No
Has the building been renovated? Yes No Unknown

59A) ARE ASBESTOS CONTAINING MATERIALS PRESENT IN THE FACILITY (e.g. floor/ceiling tiles, pipe wrap, spray-on):

59B) HAS AN ASBESTOS INSPECTION OR ANY ASBESTOS SAMPLING EVER BEEN CONDUCTED AT THE FACILITY (if so, when and by whom):

****

ASBESTOS MATERIALS INFORMATION (Cont.)

59C) HAS ANY ASBESTOS EVER BEEN REMOVED FROM THE FACILITY (if so, when and by whom):

_____

_____

****

LEAD BASED PAINT INFORMATION

Is lead paint being evaluated as part of this assessment? (No)
Does the age of the building suggest the presence of lead paint? Yes (No)
Has the building been renovated? Yes (No) Unknown

60A) IS LEAD-BASED PAINT PRESENT IN THE FACILITY?

_____

_____

60B) HAS A LEAD-BASED PAINT INSPECTION OR SAMPLING EVER BEEN CONDUCTED AT THE FACILITY (if so, when and by whom):

_____

_____

60C) HAS ANY LEAD PAINT EVER BEEN REMOVED FROM THE FACILITY (if so, when and by whom):

_____

_____

****

RADON

Is radon being evaluated as part of this assessment? (No)
Does the building have a basement? Yes (No)
Has radon testing ever been conducted? Yes (No) Unknown

Who completed the sampling: _____

Results of sampling: _____

****

RADON (Cont.)

Is a copy of the sample results/report available? _____-_____

****

LEAD-IN-DRINKING WATER

Is lead-in-drinking water being evaluated as part of this assessment? (No)
Is the property serviced by a private well or public water? Private Well Public Water
Has any testing ever been conducted? Yes No Unknown

Who completed the sampling: _____

Results of sampling: _____

Is a copy of the sample results/report available? _____

****

MISCELLANEOUS INFORMATION

- The Reason for performing the Phase I ESA? Potential transaction

  _____

- Any knowledge of documented environmental liens, or activity and use limitations (as documented in title records or otherwise)? No

  _____

- Any specialized knowledge or experience with the property that may be pertinent to the environmental professional concerning the property and its environmental condition (i.e., copies of any available prior environmental site assessment reports, documents, correspondence, etc.). ? No

  _____

- Any knowledge that the value of the assessed property has been reduced below the value of comparable properties due (at least in part) to environmental conditions associated with the property? No

  _____

- Other: No

  _____

Additional Information:

- The locked storage shed to the north of the building is used to store salt and sta-dry (absorbent)
- Regular waste is picked up by Waste Management
- Exterior drains discharge to the sanitary sewer.
- Quench oil tanks (2) and quench solution (1) (each less than 100 gallon) are located in the former location of the black oxide line
- Vacuum Furnace #1 has a quench oil tank. Each of three Atmospheric Furnaces have a 500 gallon quench oil tank
- Each furnace has a pumping system that collects evaporated oil. Evaporated oil is collected in a pail after condensing but small drips of evaporated oil also collect on the concrete surface below the evaporative oil piping. Absorbent is used on these spills
- The TCE degreaser used to be located east of the current location (i.e., southeast of the original building). Mr. Heiden is unsure of the years during with the TCE degreaser was in the alternate location. A TCE degreaser has been present in the building since the 1950s.
- A 2000 gallon aboveground quench oil tank was formerly located about '10 steps' north of the bottom of the stairs (i.e., in the current eastern portion of the building). This tank was removed in approximately 1975.
- A fire occurred in the oil transformer located south of the building in 1997. No oil was released. The transformer was replaced by RG&E following the fire.

Interview form completed by:

Printed Name: Heather McLennan

Signature: H McL

10/01
revised 3/25/04

APPENDIX F

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S) AND ADDITIONAL DAY REPRESENTATIVE (S)

HEATHER MCLENNAN

EXPERIENCE

Day Environmental Inc.: April 2015 to present
Years with Other Firms: 5 years

AREAS OF SPECIALIZATION

- Environmental Site Assessment
- Environmental Restoration / Remediation

EDUCATION

Seneca College; Graduate Certificate Program, Environment and Site Investigation, 2010
University of Guelph; Bachelor of Science, Honors Chemistry Degree, 2003
Seneca College; Chemical Technology Diploma Program, 1999

REGISTRATIONS/AFFILIATIONS

40-Hour OSHA Hazardous Waste Site Worker Training
Member, Chemical Institute of Canada

RESPONSIBILITIES AND PROJECT EXPERIENCE

Ms. McLennan has five years of professional experience working on environmental projects as a consultant. Ms. McLennan has also performed Phase I and Phase II Environmental Site Assessments, prepared scopes of works, proposals, managed projects and supervised remediation projects while working on projects as a consultant with other firms.

Site Remediation, Toronto, Ontario: Supervised multi-property remediation:
Property 1: Supervised the completion of six-month remedial program including excavation and sampling for the purpose of property transaction compliant with requirements of Ontario Ministry of the Environment and Climate Change Record of Site Condition.
Property 2: Designed and supervised test-pitting and borehole program to sample and characterize stockpiled soils and impacted soil on-site to allow placement of soil consistent with property specific standards during grading activities
Property 3: Completed updated reports for filing and completing Risk Assessment and Record of Site Condition with Ontario Ministry of the Environment and Climate Change following soil and groundwater assessment.

Phase I Assessments, New York State and Ontario, Canada: Conducted Phase I Environmental Site Assessments for the purpose of real estate transactions and financing. These assessments were conducted on a variety of different types of facilities including agricultural, residential, commercial, and industrial properties.

Phase II Assessments, New York State and Ontario, Canada: Conducted Phase II Environmental Site Assessments for the purpose of contaminant identification and categorization. These assessments were conducted on a variety of different types of facilities including residential, commercial and industrial properties.

Site Remediation, New York State and Ontario, Canada: Supervised in-situ chemical oxidation at various sites in order to remediate impacts in soil and groundwater, supervised various underground storage tank removal programs and remedial excavations.

Toronto, Ontario: Supervised the installation of a remedial treatment system including injection wells and injection gallery in 15' trench, for the purpose of remediating chlorinated volatile organic compound plume in groundwater.

Toronto, Ontario: Supervised completion of three-week in-situ chemical reduction program including fracturing of subsurface using nitrogen injections followed by zero-valent iron injections for the purpose of remediating chlorinated volatile organic compound plume in soil and groundwater

DAVID D. DAY, P.E.

EXPERIENCE

Day Engineering, P.C./Day Environmental, Inc.: 1985 to present
Years with Other Companies: 10 years

AREAS OF SPECIALIZATION

- Environmental Restoration/Remediation
- Environmental Site Assessment
- Environmental Compliance

EDUCATION

University of Michigan, M.S. Environmental Engineering, 1975
Michigan State University, B.S. Civil/Sanitary Engineering, 1974

REGISTRATION/AFFILIATIONS

Licensed Professional Engineer in New York
40-Hour OSHA Hazardous Waste Site Worker Training
8-Hour OSHA Hazardous Waste Site Supervisor Training
8-Hour OSHA Hazardous Waste Site Worker Refresher Training

National Society of Professional Engineers
Water Environment Federation
Rochester Engineering Society, Inc.

RESPONSIBILITIES AND PROJECT EXPERIENCE

President, Day Engineering, P.C. and Day Environmental, Inc. (DAY). As a founder and principal of these firms, Mr. Day is responsible for their overall management and operation. He also provides technical guidance and support to the Industrial Compliance Group, Phase I Assessment Group, and the Phase II/Remediation Group. In addition, he periodically serves as Project Manager on some of the firm's larger or more complicated projects.

Mr. Day has over 37 years of experience working on environmental projects for industry or as a consultant. Examples of the types of environmental projects that he has worked on are described below.

Brownfield Assistance Program, City of Rochester. Principal for a project to assist the City of Rochester (City) in implementing its EPA funded Brownfield Assistance Program (BAP). The project has involved working with the City's Department of Environmental Services and Department of Economic Development to evaluate potential sites as candidates for the BAP program. DAY has conducted Phase I Environmental Site Assessments, Phase I confirmational intrusive studies, environmental management plans, and health and safety plans for this project at under-utilized sites within the City. This work has led to the redevelopment of some of the BAP sites into active, tax-producing sites.

Investigation/Remediation of Former Department of Defense Site, Rochester, NY. Principal for a project to conduct investigation/remediation at a site that was formerly used by the Department of Defense (DOD) for the production of ocean-going ships, and missiles. DAY has negotiated with the New York State Department of Environmental Conservation (NYSDEC) to conduct this work under a Voluntary Clean-Up Agreement. The study is scheduled to take place over a period of 10+ years, with interim remedial measures being implemented on an as-needed basis. Soils, groundwater, and wetlands in the vicinity of the site are contaminated with a variety of contaminants including volatile organic compounds, metals, and PCBs.

Remediation at a Former Printed Circuit Board Facility, Rochester, NY. Principal for a project to conduct remedial activities at a NYSDEC listed inactive hazardous waste disposal site. The remediation is being conducted under the Brownfield Cleanup Program (BCP). DAY completed a Remedial Investigation/Feasibility Study (RI/FS), and a remedial alternative was proposed for the site. The NYSDEC approved the proposed remedial alternative, and remedial activities are currently being implemented. After remedial activities are completed, operation of a groundwater remedial system and on-going monitoring will continue for 20+ years.

Phase I/Phase II/Remediation Services, City of Rochester, NY. Principal for a project to conduct Phase I, Phase II, and remediation services for the City of Rochester on an as-needed basis. These services have been provided on a variety of different types of sites within the City.

- Over -

Slag and Fill Management Project, Greece and Rochester, NY. Principal for a project to coordinate and oversee the removal of 25,000+ yards of slag-contaminated fill material from a residential site in Greece, NY. The fill material was contaminated with slag that came from a site that was being redeveloped in the City of Rochester. The contaminated fill material was removed from the residential site to a site within the City, where the fill material was screened, and the separated slag was transported to a solid waste facility for disposal. DAY worked closely with City officials, the NYSDEC, contractors, the public, and other regulatory authorities on this project.

Compliance Audits at Various Industrial Facilities in New York. Project Manager/Principal for compliance audits conducted at industrial facilities. The compliance audits encompassed the following types of environmental issues: air pollution, water pollution, hazardous and solid waste management, tank management, and petroleum handling and storage. The compliance audits have been conducted at a variety of different types of facilities including: plating facilities, auto dealerships, heat treating facilities, packaging/printing facilities, power generating facilities, tool and die operations, and other types of manufacturing operations.

Phase I Assessments Throughout New York State. Principal to review 3,000+ environmental assessments conducted for the purpose of real estate transactions. These assessments were conducted on a variety of different types of facilities, including industrial sites, manufacturing operations, and former railroad properties.

Electric Utility SPCC Plan Implementation, Western, New York. Project Manager/Principal and certifying professional engineer for a Spill Prevention Control and Countermeasures (SPCC) Plan covering 162 electrical substations located throughout western New York. The project involved identifying potential spill pathways at each of the substations, and ranking the potential for a spill to impact navigable water (i.e., low, medium or high risk). When needed, recommendations were also developed to reduce the risk of navigable water impact. The approach utilized on this project was very cost effective and resulted in the certification of one SPCC plan for 162 electrical substations.

Hazardous Waste and Hazardous Material Compliance Audit at a Major Railroad Yard Facility. Project Manager/Principal for conducting a compliance audit at the Railroad Yard facility to assess hazardous waste and hazardous material handling and storage. The audit report outlined recommendations for improving the handling and storage of hazardous materials and wastes.

RCRA Training For a Major Railroad Operation in New York and Connecticut. Provided training to over 400 railroad personnel on handling and storage of hazardous waste as required by the Resource, Conservation, and Recovery Act (RCRA).

Hazardous Waste Tank Certification Project at Large Industrial Facility, Rochester, NY. Project Manager/Principal responsible for developing tank certification reports for 50 hazardous waste storage tanks as required by the New York State hazardous waste regulations.

Remedial Investigation on a New York State Inactive Hazardous Waste Site, Clarendon, NY. Project Manager/Principal for a $300,000 remedial investigation at a site where groundwater was contaminated by volatile organic compounds. Worked with client's attorney to secure funding of this project by insurance companies. The project was completed as required by the New York State Department of Environmental Conservation (NYSDEC) Order-on-Consent.

Drain Study at a Major Manufacturing Facility, New York. Project Manager/Principal for conducting a $200,000+ investigation to determine the discharge location (i.e., sanitary sewer, storm sewer, drywells, subsurface, etc.) of the various operations (i.e., processes, floor drains, hub drains, roof drains, sumps, scrubber drains, sinks, etc.) at a 5 million square foot manufacturing facility that contained over 40 buildings. A database was established to identify and track the discharge sources and locations to ensure compliance with local, State, and federal regulations.

Remediation at a Scrap Yard, Olean, NY. Project Manager/Principal for investigation and remediation of several hundred drums and containers that were abandoned at a scrap yard. The drums and containers contained a variety of types of hazardous wastes. The investigation and clean-up was conducted and completed under a USEPA Order-On-Consent.

SEAN R. REESE

EXPERIENCE

Day Environmental, Inc.: 2016 to present
Years with Other Firms: < 1 year

AREAS OF SPECIALIZATION

- Environmental, Health & Safety Compliance
- Environmental Investigation & Remediation Services

EDUCATION

Saint Francis University – Loretto, PA; B.S. Environmental Engineering; 2015

REGISTRATION/AFFILIATIONS

40 Hour OSHA Hazardous Waste Site Worker Training

RESPONSIBILITIES

Mr. Reese's current responsibilities include completing environmental, health, and safety industrial compliance projects and training programs, and investigation and remediation projects for private entities and government agencies. Specifically, Mr. Reese assists in environmental, health and safety assessments; compliance projects; developing and modifying facility air permits; Spill Prevention Control and Countermeasure (SPCC) Plans; Storm Water Permits; Storm Water Pollution Prevention Plans (SWPPPs) and Management Plans (SWMPs); NYS Petroleum Bulk Storage (PBS) and NYS Chemical Bulk Storage (CBS) projects; Spill Prevention Reports (SPRs); and SARA Title III Tier 1 and Tier 2 reports. In addition, Mr. Reese assists in environmental investigation field activities and associated field documentation, report preparation, design calculations, data management, remedial alternative evaluation and selection, and project communication.

PROJECT EXPERIENCE

LENNON, SMITH, SOULERET ENGINEERING, INC.
Pittsburgh, PA
Temporary Resident Project Representative
June 2015 – December 2015

- Provided construction site services to ensure storm and sanitary sewer installation and roadway construction were completed according to plans;
- Effectively interacted with contractors, superintendents, foreman, and laborers;
- Provided project scoping and cost estimation.

Over

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
Easton, PA
Engineering, Scientific and Technical Intern
Summers 2010, 2011, 2012

- Provided bridge and roadway construction site services to ensure that operations were executed according to plans;
- Identified construction problems and aided in the development of solutions;
- Interacted and effectively communicated with contractors, inspectors, foremen, and engineers in the field;
- Read and interpreted construction and state roadway plans and documents;
- Kept records of day to day environmental impact according to permits and plans;
- Identified problems with state roads, guide rails and drainage throughout Lehigh County.

EXPERIENCE

Day Engineering, P.C./Day Environmental, Inc.: 1990 to present

CERTIFICATION

New York State Department of Health Certified Asbestos Inspector

SEMINARS/TRAINING

- ASTM Due Diligence Seminar Sponsored by Environmental Data Resources, Inc. (EDR)
- Environmental Assessment Association (EAA) Certified Environmental Inspector (CEI) Training
- New York State Department of Health 24-hour Asbestos Inspector Training
- 4-hour Inspector Refresher Training

RESPONSIBILITIES AND EXPERIENCE

Ms. Miller has been employed by DAY since 1990, and has worked in the Phase I Environmental Site Assessment (Phase I ESA) Group for over 15 years where she has served as the Phase I ESA Coordinator and an Assessor. As an Assessor, Ms. Miller has completed more than 100 Phase I ESAs.

As DAY's Phase I ESA Coordinator, Ms. Miller's duties include being the primary client liaison for Phase I ESA related matters, providing quotes and proposals, preparing reliance letters, providing a non-technical review of Phase I ESA reports prepared by others within the firm, updating regulatory databases, and performing regulatory reviews. Ms. Miller also performs Phase I ESAs in general accordance with ASTM Standard E1527 and Transaction Screens in general accordance with ASTM Standard E1528.

Representative projects include:

- **Environmental Site Assessment, City of Rochester, New York.** Coordinated and assisted with the completion of an environmental assessment of a 104-parcel redevelopment area for the City of Rochester. The assessment included evaluation of historical uses, regulatory information, municipal information, and current property conditions for the redevelopment area and the surrounding off-site properties.

- **Moynihan Station Redevelopment Project, New York City**. Coordinated and assisted with the completion of a Phase I ESA for the Moynihan Station Redevelopment Project. The work consisted of a Phase I ESA of a portion of Penn Station occupied by rail yards, rail lines, passenger platforms and utility tunnels. Assisted with the historical/regulatory research and preparation of the Phase I ESA report.

- **Active Gasoline Stations, Erie and Niagara Counties, New York.** Coordinated the completion of Phase I ESAs of 25 active gasoline/service stations, and completed five of the Phase I ESAs of these sites. The assessments included the evaluation of the generation and storage of hazardous waste, in-ground hydraulic lifts, and active and abandoned underground storage tanks.

Over

- **Phase I ESA, Industrial Facility, Webster, New York:** Assisted in the completion of a Phase I ESA of approximately 600 acres of land, and an approximate 800,000-square foot manufacturing/industrial building, and an approximate 5,800-square foot permitted hazardous waste storage facility. The assessment included the evaluation of the listing of the site as a NYSDEC Inactive Hazardous Waste Site/Confirmed Local Waste Site, numerous areas of spillage/staining on the floor surfaces, trench drains/floor drains, a possible pipe cap of unknown use, known asbestos-containing materials and suspect asbestos-containing materials, an active NYSDEC spill incident on the assessed property, and fill and debris materials/potential contamination on vacant portions of the property.

- **Phase I ESA, Naples, New York:** Phase I ESA of a gasoline station and equipment rental facility. The assessment included the evaluation of an on-site septic system, the generation and storage of hazardous waste, in-ground hydraulic lifts, and abandoned underground storage tanks.

- **Phase I ESA, Cortlandville, New York**: Phase I ESA of an equipment sales and services facility. The assessment included the evaluation of a former underground storage tanks; a former floor drain, washwater, and septic systems; former spillage, staining, and pools of liquid; the disposal of waste oil filter debris and absorbent material in the dumpster; fill; and an adjoining RCRA hazardous waste generator.

- **Phase I ESA, Chili, New York**. Phase I ESA of a manufacturing/painting facility. The assessment included the evaluation of spillage from a fuel oil aboveground storage tank (AST) into a sump, and spillage in expansion joints in the concrete floor.

- **Phase I ESAs, Cell Tower Sites Throughout New York State:** Completed Phase I ESAs of dozens of cell tower sites, including vacant land, existing cell towers, and structures (i.e., buildings and water towers). The assessments included the evaluation of lead-based paint, generator listings of some of the sites, and potential environmental impacts of the assessed property from nearby properties.

APPENDIX G

PREVIOUS ENVIRONMENTAL REPORTS / ADDITIONAL DOCUMENTS

ENVIRONMENTAL RISK INFORMATION SERVICE

38 Lesmill Rd, Unit 2, Toronto, ON M3B 2T5
Phone: 416-510-5204 • Fax: 416-510-5133
info@erisinfo.com • www.erisinfo.com

The ERIS Environmental Lien Search Report

5248E-16
962-974 E. MAIN STREET
ROCHESTER, NEW YORK

Wednesday, May 18, 2016
ERIS Project No. 20160512060

ENVIRONMENTAL LIEN REPORT

The ERIS Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied property information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' office, registries of deed, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved and description); and
- provide a copy of the deed or cite documents reviewed;

Thank you for your business
Please contact ERIS at 416-510-5204
with any questions or comments

ENVIRONMENTAL LIEN REPORT

The ERIS Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

5248E-16
962-974 E. Main Street
Rochester, New York

RESEARCH SOURCE

Source: Monroe County Clerk

DEED INFORMATION

Type of Instrument: Warranty Deed

Grantor: Rochester Steel Treating Works, Inc.

Grantee: 962 East Main Associates

Deed Dated: 09/19/1988
Deed Recorded: 11/03/1988
Book: 7487
Page: 230

LEGAL DESCRIPTION

Part of Lot 9 being 0.33 acres, more or less, in the subdivision of Bernard Klem's, commonly known as 962 E Main Street, situated and lying in the City of Rochester, Monroe County, State of New York

Assessor's Parcel Number(s): 106.75-1-6.001

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

ENVIRONMENTAL LIEN REPORT

TARGET PROPERTY INFORMATION

ADDRESS

5248E-16
962-974 E. Main Street
Rochester, New York

RESEARCH SOURCE

Source: Monroe County Clerk

DEED INFORMATION

Type of Instrument: Warranty Deed

Grantor: Florence B. Barr

Grantee: Rochester Steel Treating Works, Inc

Deed Dated: 07/30/1968
Deed Recorded: 07/31/1968
Book: 3919
Page: 407

LEGAL DESCRIPTION

Part of Lot 9 being 0.09 acres, more or less, in the subdivision of Bernard Klem's, commonly known as 966 E Main Street, situated and lying in the City of Rochester, Monroe County, State of New York

Assessor's Parcel Number(s): 106.75-1-7.001

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

ENVIRONMENTAL LIEN REPORT

TARGET PROPERTY INFORMATION

ADDRESS

5248E-16
962-974 E. Main Street
Rochester, New York

RESEARCH SOURCE

Source: Monroe County Clerk

DEED INFORMATION

Type of Instrument: Warranty Deed

Grantor: Florence B. Barr

Grantee: Rochester Steel Treating Works, Inc

Deed Dated: 07/30/1968
Deed Recorded: 07/31/1968
Book: 3919
Page: 407

LEGAL DESCRIPTION

Part of Lots 9 being 0.23 acres, more or less, in the subdivision of Bernard Klem's, commonly known as 972 - 974 E Main Street, situated and lying in the City of Rochester, Monroe County, State of New York

Assessor's Parcel Number(s): 106.75-1-8.001

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

0 0 0 0 7 4 8 7 2 3 0

COUNTY OF MONROE

COUNTY CLERK'S OFFICE RECORDING PAGE

Patricia L. McCarthy - County Clerk

Carolee A. Conklin - Deputy County Clerk

TR NO. SB398130500
BOOK 7487 PAGE 230
REEL PR
NO. PAGES 2
11/03/88 13:05:00
OF
MONROE COUNTY CLERK

MORTGAGE TAX

Serial # _____

City/Town $_____

S.M.A. $_____

Trans. Auth. $_____

Total $_____

_____ _____

PAID AT RECORDING

TRANSFER TAX

Transfer Tax # 0-07021

Amount $ -0-

PAID AT RECORDING

RETURNED TO:

Box 169
(SAF)

STATE OF NEW YORK
MONROE COUNTY, SS.

RECORDED ON 11/03/88
TIME 13:05:00
BOOK 7487 PAGE 230
REEL PR
OF
DEED
AND EXAMINED
PATRICIA L McCARTHY
MONROE COUNTY CLERK

(10/87)

No. 1978—Warranty Deed, Short Form with Lien Covenant. Single Sheet. Title Guarantee and Trust Co.

THIS IS A LEGAL INSTRUMENT AND SHOULD BE EXECUTED UNDER SUPERVISION OF AN ATTORNEY.

Legal Description
962 E. Main St

THIS INDENTURE, made the 19 day of September Oct. 1988.

BETWEEN

ROCHESTER STEEL TREATING WORKS, INC., residing at 962 East Main St. Rochester NY
grantor

962 EAST MAIN ASSOCIATES, with a business address of 16 Main st. East - Room 676, Rochester, Ny
grantee

WITNESSETH, that the grantor, in consideration of ----------ONE and 00/100----------($1.00)----------Dollars, paid by the grantee, hereby grants and releases unto the grantee, the heirs or successors and assigns of the grantee forever.

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Rochester, County of Monroe and State of New York, being the westerly part of Lot No. 9 of Bernard Klem's Subdivision of part of Lot 58 in Township No. 13 in the 7th Range of Townships in "Phelps and Gorhams Purchase" according to a map of said subdivision on file in Monroe County Clerk's Office in Liber 112 of Deeds at page 480. Beginning at a point in the northerly line of East Main street, distant 64 feet easterly from the intersection of the westerly line of said Lot 9 and said northerly line of Main Street and about 213 feet westerly from the New York Central and Hudson River Railroad; thence running northerly at right angles to said northerly line of Main Street about 250 feet to the said railroad; thence northwesterly along the line of said railroad about 85 feet to the northerly line produced of Lot 8 of said subdivision; thence northwesterly about 22 feet along said line so produced to the northwest corner of said Lot No. 9; thence southerly along the westerly line of said Lot 9, 341 feet to the northerly line of East Main Street; thence easterly along said northerly line of Main Street East 64 feet to the place of beginning.

Excepting westerly part of Lot No. 9 of Bernard Klem's subdivision, of part of Lot No. 58 in Township 13 in the 7th Range of Townships in Phelps and Gorham's purchase according to a map of said subdivision on file in Monroe County Clerk's Office in Liber 112 of Deeds at page 480, the premises herein conveyed being described as follows: Beginning at a point in the division line between Lots 8 and 9, 324-2/10 feet northerly from Main Street; thence southeasterly in a direct line about 57 feet to the south line of the New York Central and Hudson River Railroad Company's land; thence westerly on said Railroad Company's south line 55 feet to an angle; thence westerly in a direct line about 15-5/10 feet to a point in the division line first above mentioned 16-8/10 feet northerly from the place of beginning and thence southerly on said division line to the place of beginning, containing about 521 square feet of land, reference being had to a map of said lands made by W. C. Gray, surveyor, and on file in Monroe County Clerk's Office." (over)

Box 164 (SAF)

TOGETHER with the appurtenances and all the estate and rights of the grantor in and to said premises.

TO HAVE AND TO HOLD the premises herein granted unto the grantee, the heirs or successors and assigns of the grantee forever. **AND** the grantor covenants as follows:

FIRST. The grantee shall quietly enjoy the said premises;

SECOND. The grantor will forever warrant the title to said premises;

This deed is subject to the trust provisions of Section 13 of the Lien Law. The words "grantor" and "grantee" shall be construed to read in the plural whenever the sense of this deed so requires

IN WITNESS WHEREOF, the grantor has executed this deed the day and year first above written.

In presence of:

ROCHESTER STEEL TREATING WORKS, INC.

BY: ..... L.S.

Eugene F. Miller Treas. L.S.

STATE OF NEW YORK, COUNTY OF MONROE ss.:

On the 19th day of October 19 88 before me personally came Eugene F. Miller to me known, who, being by me duly sworn, did depose and say that deponent resides at No. 5 Pine Needles Drive, Pittsford, NY that deponent is Treasurer of Rochester Steel Treating Works the corporation described in and which executed the foregoing instrument; deponent knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; deponent signed deponent's name thereto by like order.

Barbara M. Rose

BARBARA M. ROSE
NOTARY PUBLIC, State of N.Y. Monroe Co.
My Commission Expires March 30, 19 89

STATE OF NEW YORK, COUNTY OF ss.:

On the day of 19 , before me personally came

to me known to be the individual described in, and who executed the foregoing instrument, and acknowledged that he executed the same.

0 8 0 0 7 4 8 7 2 3 2

* Being the same premises conveyed to the grantor by Warranty Deed dated July 30, 1968 and recorded in the Monroe County Clerk's Office on in Liber 3919, at page 407.

This conveyance is not a transfer of all or substantially all of the assets of the grantor.

~~Tax Acct. No.~~
Tax Map No. 106.75c-01- 006
Mailing address: 16 Main St. East - Room 676, Rochester, NY 14614

Bpd

WARRANTY — SHORT FORM

TO

Dated, 19

STATE OF NEW YORK

County of ss.:

RECORDED ON THE

day of 19

at o'clock M.

in Liber of Deeds

at Page said examined

CLERK

PLEASE RECORD AND RETURN TO:

962 E. Main St

37459

FORM 8334 N. Y. DEED—WARRANTY with Lien Covenant

TUTTLE LAW PRINT, INC. REGISTERED U.S. PAT. OFF. Tuttle Law Print, Publishers, Rutland, Vt.

This Indenture,

Made the 30th day of July Nineteen Hundred and sixty-eight

Between FLORENCE B. BARR, 581 Bay Road, Webster, Monroe County, New York 14580

part y of the first part, and

ROCHESTER STEEL TREATING WORKS, INC. of 962 Main Street East, Rochester, Monroe County, New York 14605

part y of the second part,

Witnesseth that the part y of the first part, in consideration of ONE and no/100---------- Dollar ($1.00----) lawful money of the United States, and other good and sufficient consideration paid by the part y of the second part, do es hereby grant and release unto the part y of the second part, its successors and assigns forever, all

THAT TRACT OR PARCEL OF LAND, situate in the City of Rochester, County of Monroe and State of New York, being the westerly part of Lot No. 9 of Bernard Klem's Subdivision of part of Lot 58 in Township No. 13 in the 7th Range of Townships in "Phelps and Gorhams Purchase" according to a map of said subdivision on file in Monroe County Clerk's Office in Liber 112 of Deeds at page 480. Beginning at a point in the northerly line of East Main Street, distant 64 feet easterly from the intersection of the westerly line of said Lot 9 and said northerly line of Main Street and about 213 feet westerly from the New York Central and Hudson River Railroad; thence running northerly at right angles to said northerly line of Main Street about 250 feet to the said railroad; thence northwesterly along the line of said railroad about 85 feet to the northerly line produced of Lot 8 of said subdivision; thence northwesterly about 22 feet along said line so produced to the northwest corner of said Lot No. 9; thence southerly along the westerly line of said Lot 9, 341 feet to the northerly line of East Main Street; thence easterly along said northerly line of Main Street East 64 feet to the place of beginning.

Excepting westerly part of Lot No. 9 of Bernard Klem's subdivision of part of Lot No. 58 in Township 13 in the 7th Range of Townships in Phelps and Gorham's purchase according to a map of said subdivision on file in Monroe County Clerk's office in Liber 112 of Deeds at page 480, the premises herein conveyed being described as follows: Beginning at a point in the division line between Lots 8 and 9, 324-2/10 feet northerly from Main Street; thence southeasterly in a direct line about 57 feet to the south line of the New York Central and Hudson River Railroad Company's land; thence westerly on said Railroad Company's south line 55 feet to an angle; thence westerly in a direct line about 15-5/10 feet to a point in the division line first above mentioned 16-8/10 feet northerly from the place of beginning and thence southerly on said division line to the place of beginning, containing about 521 square feet of land, reference being had to a map of said lands made by W.C. Gray, surveyor, and on file in Monroe County Clerk's office.

Being the same premises conveyed to Robert J. and Florence B. Barr by deeds recorded in Liber 2705 of Deeds at page 32 and Liber 3304 of Deeds at page 531 and thereafter conveyed by Robert J. Barr to Florence B. Barr by deed dated August 3, 1965 and recorded August 6, 1968 in said Clerk's office in Liber 3662 of Deeds at page 122.

LIBER 3919 PAGE 498

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

To have and to hold the premises herein granted unto the party of the second part, its successors and assigns forever.

And said party of the firstpart covenant s as follows:

First. That the party of the second part shall quietly enjoy the said premises;

Second. That said party of the first part will forever **Warrant** the title to said premises.

Third. That, in Compliance with Sec. 13 of the Lien Law, the grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

In Witness Whereof, the party of the first part has hereunto set her hand and seal the day and year first above written.

In Presence of

Florence B Barr (L.S.)

(L.S.)

State of New York } ss.
County of MONROE }

On this 30th day of July in the Nineteen Hundred and sixty-eight before me, the subscriber, personally appeared

FLORENCE B. BARR

to me personally known and known to me to be the same person described in and who executed the within instrument, and s he duly acknowledged to me that s he executed the same.

Donald A. Frenth

DONALD A. FORSTHE, Notary Public
State of New York, Monroe County
Commission Expires March 30, 1969

94 1/2

FLORENCE B. BARR

TO

ROCHESTER STEEL TREATING WORKS, INC.

Dated, 19 68

State of New York
Monroe County, ss.
Recorded on the 31st day of July 19 68 at 11:54 o'clock A.M. in liber 3919 of deeds page 498 and examined.

Clerk

MONROE COUNTY CLERK

48

UNDERGROUND STORAGE TANK
CLOSURE REPORT
ROCHESTER STEEL TREATING WORKS
962 EAST MAIN STREET
ROCHESTER, NEW YORK

NYSDEC CBS No. 8-000175

Prepared by: Day Environmental, Inc.
2144 Brighton-Henrietta Town Line Road
Rochester, New York 14623

Date: February 2000

Project No.: 1784I-98

TABLE OF CONTENTS

APPENDICES:

1.0 INTRODUCTION

Day Environmental, Inc. (DAY) was retained by Rochester Steel Treating Works, Inc. (RSTW) to document the in-place closure of an underground storage tank (UST) at their 962 East Main Street, Rochester, New York facility (Site). This UST is a chemical bulk storage (CBS) tank identified by the New York State Department of Environmental Conservation (NYSDEC) as CBS No. 8-000175. The location of the Site is illustrated on the Project Locus Plan (Figure 1) included in Appendix A.

The 1,045-gallon UST was used by RSTW to store methanol as part of a pressurized system to deliver methanol to heat-treating furnaces within their facility. The methanol UST is located adjacent to an actively used pressurized above ground storage tank (AST) on stilts that contains nitrogen. A copy of the Site Plan showing the location of the methanol UST and the adjacent area is included as Figure 2 in Appendix A.

At the request of the City of Rochester Fire Marshal, a structural assessment was completed on the methanol UST and the area adjacent that contained aboveground storage tanks (ASTs) prior to closure activities. This structural assessment was done to assess the feasibility of removing the methanol UST from the ground. Based upon the structural assessment (refer to Section 2.0), it was concluded that removal of the methanol UST could compromise the structural integrity of adjacent structures and in-place closure of the methanol UST was recommended.

Once the structural assessment was completed, DAY contacted the NYSDEC CBS division. NYSDEC CBS concurred that in-place closure was acceptable for the methanol UST. In conjunction with the in-place closure, the NYSDEC CBS requested that a subsurface study via soil borings be conducted to evaluate if the methanol UST had leaked and additional study/remediation was required.

The methanol UST was filled in place in December 1999 followed by a subsurface study in January 2000. This document summarizes the closure and subsequent subsurface evaluation.

2.0 PRE-TANK CLOSURE ASSESSMENT

In October 1999, DAY retained the services of Herrick-Saylor Engineers, P.C. (Herrick-Saylor) to conduct a structural evaluation in the area of the methanol UST. Herrick-Saylor conducted a site visit on October 27, 1999 to gather information about the methanol UST area and the surrounding ASTs, to assess the affects of excavating near the ASTs and to evaluate the potential consequences related to the removal of the methanol UST. Herrick-Saylor provided DAY a report dated November 3, 1999 that summarized their findings and recommendations. A copy of the Herrick-Saylor report is included in Appendix B of this document.

Generally, the Herrick-Saylor report recommended no excavation within a distance equal to the width (11 feet) of the concrete foundation pad for the nitrogen tank, which is adjacent to the methanol UST. As such, Herrick-Saylor strongly recommended that the methanol UST, which was within five feet of the nitrogen tank foundation pad, be filled in place to prevent possible damage to the nitrogen tank foundation pad.

3.0 UNDERGROUND STORAGE TANK CLOSURE

3.1 Underground Tank Closure In-Place

On December 23, 1999, Arrow Contracting, Inc. (Arrow), a subcontractor retained by RSTW was on site to complete in-place closure of the 1,045-gallon methanol UST. During the months prior to the anticipated closure, RSTW removed the contents of the methanol UST and disconnected the piping to the building. Upon opening the pressure cover to the methanol UST on December 23, 1999 the tank bottom was observed to be dry. In addition, visual inspection of the interior of the methanol UST did not reveal areas of diminished integrity to the tank walls or within the tank manway.

As a precaution, Arrow performed a rinse of the interior of the methanol UST to remove possible residual product from the tank walls and bottom. The rinse water that was generated during this procedure (approximately 20 gallons) was drummed and staged inside the RSTW building for eventual disposal by RSTW with other wastes generated at the Site. [Note: As of the date of this report, the drummed rinse water has not been disposed by RSTW. Once disposal documentation becomes available a copy of this documentation will be forwarded to the NYSDEC.] Subsequent to the tank interior wash/rinse procedure, Arrow tested the atmosphere within the tank with a Bacharach Sentinel 44 O_2/LEL meter for the presence of residual vapors. After observing that vapors were not present within the tank, the City of Rochester Fire Department Inspector allowed Arrow to continue with the closure in-place. Arrow then used an acetylene torch to cut the steel riser of the manway flush with the top of the concrete pad. The tank was then filled with K-Crete such that the K-Crete filled the tank and the manway until it was level with the top of the concrete pad over the tank (refer to the photographs in Appendix C).

3.2 Soil Sampling and Analysis

Subsequent to the in-place closure, DAY advanced four (4) test borings (designated TB-1 through TB-4) in the perimeter area of the former methanol UST on January 19, 2000. These test borings were advanced to depths of eight (8) feet below the ground surface (i.e., below the invert of the tank which is 6.2 feet below ground surface) utilizing hand-operated Geoprobe System soil sampling equipment. The approximate location of these test borings is identified on Figure 3, included in Appendix A.

During the advancement of the test borings, soil samples were collected in consecutive two-foot intervals beginning at ground surface for observation by a DAY representative. The headspace above the samples collected was screened with a Foxboro Century 128 GC flame ionization detector (FID). The FID measures total VOCs such as those associated with alcohols, petroleum products and many solvents. The subsurface conditions encountered and the results of the FID screening are included on the test boring logs presented in Appendix D.

Based upon the test borings advanced during this study, the subsurface materials consisted of tan to dark brown fill comprised of sand, silt, gravel, cinders, gravel, ash, wood, and glass extending from the ground surface to a depth of approximately 5.0 to 7.0 feet. In some of the test borings, a silty clay, gravel and sand deposit (i.e., potentially glacial till) was encountered beginning at a depth of about 5.0 to 7.0 feet. Wet soil, possibly indicating groundwater, was encountered at depths ranging from approximately 5.5 feet in TB-4 to approximately 7.0 feet in TB-3.

As indicated on the test boring logs in Appendix D, evidence of unusual staining or odors and elevated FID readings was not encountered in the samples collected from the test borings. In general, FID readings were between 0.0 and 0.1 parts per million (ppm) except for test boring TB-4. In test boring TB-4, a FID reading of 0.8 ppm was encountered at a depth of approximately 7.25 feet below ground surface. As shown in the test boring logs in Appendix B, a soil layer that contained decomposing organic matter was encountered (presumably original ground surface). It is possible that the FID reading of 0.8 ppm was due to methane that is produced by decomposing organic matter.

The following soil samples collected from the test borings were delivered under standard chain-of-custody protocol to Columbia Analytical Services, Inc. (CAS), a NYSDOH-approved laboratory and analyzed by CAS for methanol using USEPA Method 8015:

- Sample 1784-01, a soil sample collected from TB-2 at 7.0' below grade; and
- Sample 1784-02, a soil sample collected from TB-4 at 7.5' below grade.

CAS's analytical laboratory test results (included in Appendix E) indicate that methanol was not detected at concentrations above laboratory detection limits for either of the samples tested.

4.0 CONCLUSIONS

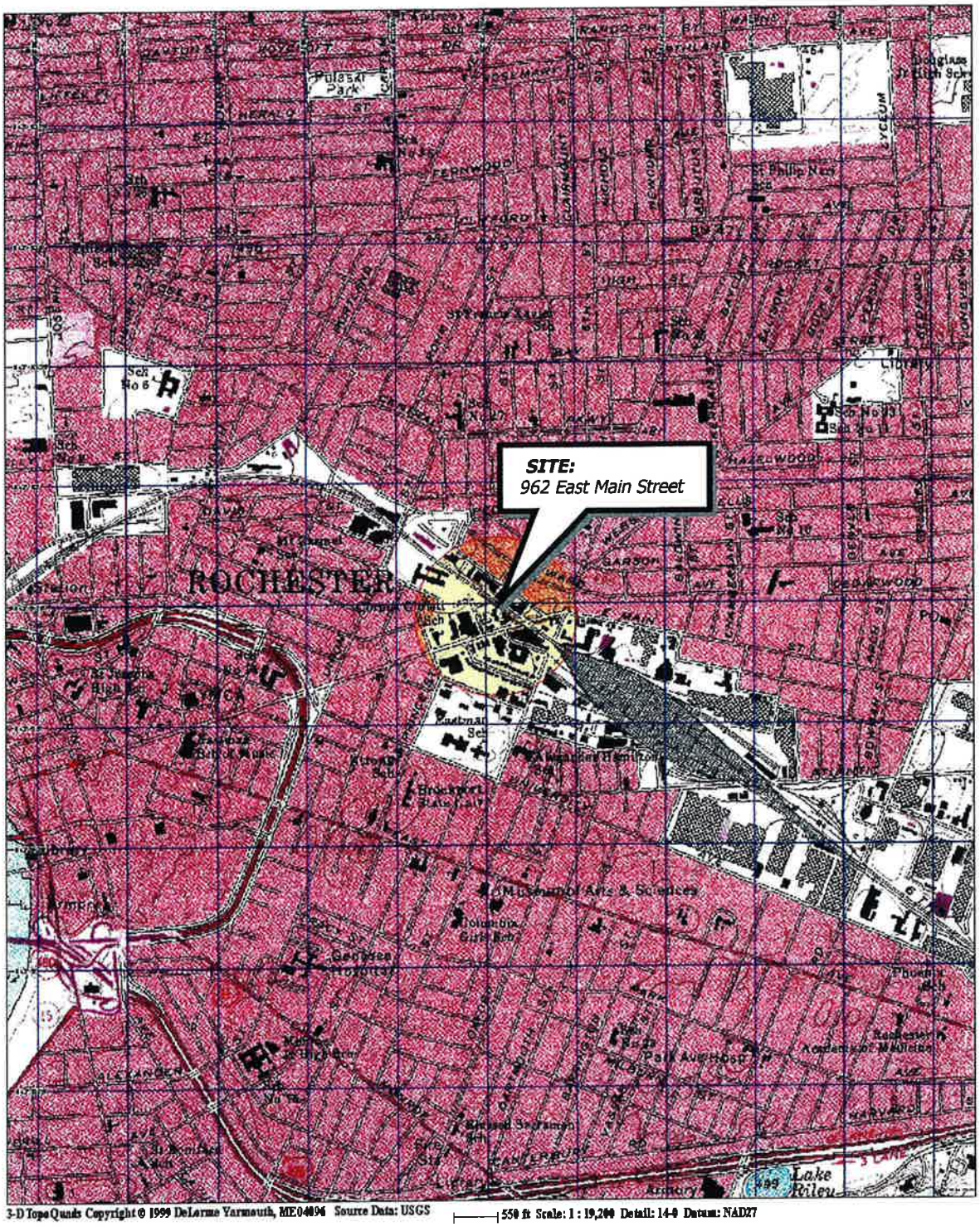
Between December 1999 and January 2000, RSTW completed in-place closure procedures for a 1,045-gallon methanol UST at the Site. Evidence of compromised integrity within the UST or the manway fittings was not observed prior to the closure in-place of the methanol UST.

Evidence of impacted soil was not encountered during the advancement of test borings around the exterior of the closed in-place methanol UST. As part of the subsurface studies, two laboratory-grade samples were collected for analytical testing. The two samples 1784-01 and 1784-02 were submitted to CAS and analyzed for methanol via USEPA Method 8015. The results of the analysis indicate that methanol was not detected at concentrations above laboratory detection limits.

Based on the work completed and the results of the analytical testing performed, it is concluded that the methanol UST has been appropriately closed and that further study or remediation in relation to this tank closure is not warranted at this time.

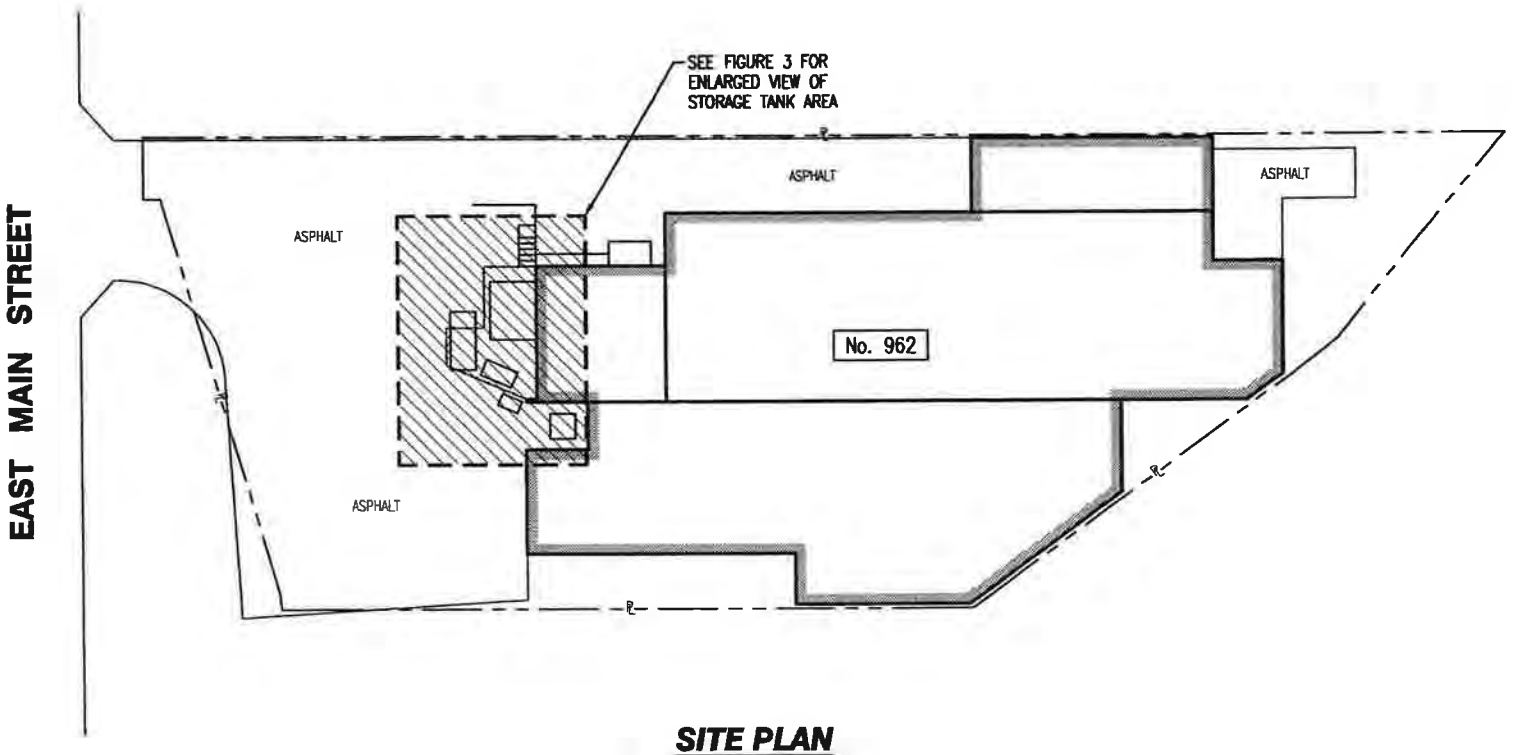
APPENDIX A

FIGURES



Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad map, Rochester East (NY) 1995. Site Lat/Long: N43d-9.7' – W77d-35.2'

PROJECT NO. 1784I-98 FIGURE 1 SHEET 1 OF 3	PROJECT TITLE 962 EAST MAIN STREET ROCHESTER, NEW YORK TANK CLOSURE DRAWING TITLE PROJECT LOCUS MAP	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK	DATE 2/10/2000 DRAWN BY RJM SCALE 1" = 2000'



SITE PLAN

SCALE: 1" = 30'

NOTES:

1. SITE PLAN ADAPTED FROM A MAP OF AN INSTRUMENT SURVEY PROVIDED BY THE CLIENT, AND FIELD DIAGRAMS MADE BY: DAY ENVIRONMENTAL, INC. ON SEPTEMBER 15, 1999.
2. LOCATIONS TAPE MEASURED FROM EXISTING SITE STRUCTURES AND SHOULD BE CONSIDERED ACCURATE TO THE DEGREE IMPLIED BY THE METHOD USED.

LEGEND

- PROPERTY LINE
- CHAIN LINK FENCE
- CONCRETE PAD

FIELD VERIFIED BY RJM — DATE 2/10/00
DRAWN BY RJM — DATE DRAWN 2/10/00
SCALE 1" = 30' — DATE ISSUED 2/10/00

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK

PROJECT TITLE
962 EAST MAIN STREET
ROCHESTER, NEW YORK
TANK CLOSURE

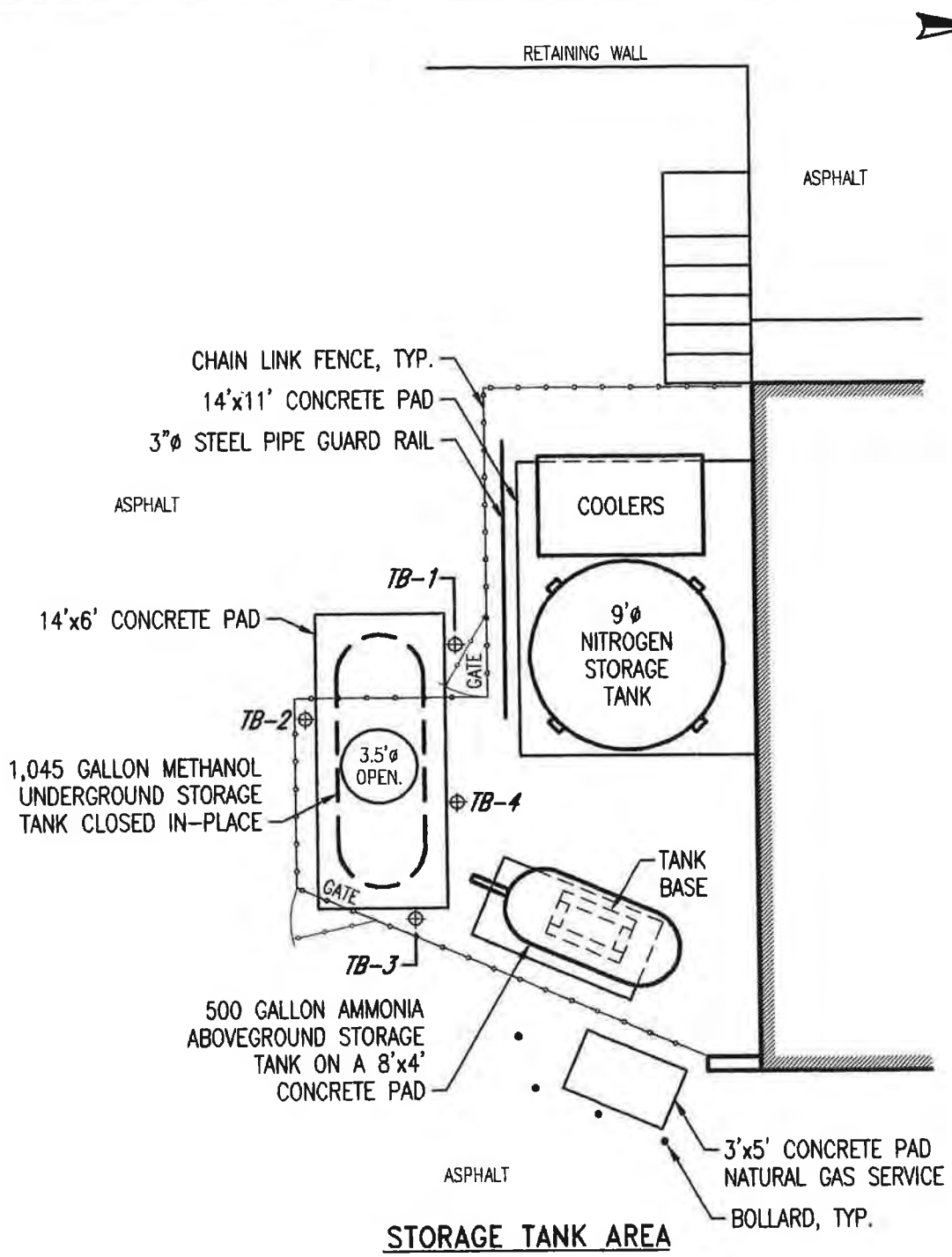
DRAWING TITLE SITE PLAN

PROJECT NO.
1784I-98

FIGURE 2

TIME PLOTTED: THUR FEB 10, 09:15:00 2000
FILENAME: \RSTW\1784-2A

REF1: BORDER13
REF2: REF2
REF3: REF3



STORAGE TANK AREA

PARTIAL PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. THIS DRAWING WAS PRODUCED FROM FIELD DIAGRAMS MADE BY: DAY ENVIRONMENTAL, INC. ON SEPTEMBER 15, 1999 AND JANUARY 19, 2000.
2. LOCATIONS TAPE MEASURED FROM EXISTING SITE STRUCTURES AND SHOULD BE CONSIDERED ACCURATE TO THE DEGREE IMPLIED BY THE METHOD USED.

PROJECT NO. 1784I-98	PROJECT TITLE 962 EAST MAIN STREET ROCHESTER, NEW YORK	DAY ENVIRONMENTAL, INC.	DATE 2/10/00
FIGURE 3	TANK CLOSURE	ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK	DRAWN BY RJM
SHEET 3 OF 3	DRAWING TITLE PARTIAL PLAN: BORING LOCATIONS STORAGE TANK AREA		SCALE 1/8" = 1'

APPENDIX B

STRUCTURAL EVALUATION REPORT

Herrick-Saylor Engineers, P.C.

STRUCTURAL CONSULTING ENGINEERS

Floyd O. Herrick, Jr., P.E.
Jay R. Saylor, P.E.
& Associates

November 3, 1999

Mr. Clark K. Price, P.E.
Day Environmental, Inc.
2144 Brighton-Henrietta Townline Road
Rochester, New York 14623-2700

Reference: 962 East Main Street - Tank Closure

Dear Clark:

A site visit was conducted October 27, 1999 to observe the configuration of the various tanks at the 962 East Main Street facility. The purpose of this visit was to gather enough information to make an assessment of the procedures necessary to abandon the underground methanol storage tank. As explained, the options were to abandon the tank in place (per DEC requirements) or to open cut and excavate to remove the tank entirely.

Within 5 ft. of the edge of the methanol tank exists a foundation pad which supports a liquid nitrogen storage tank. The nitrogen tank stands 39 ft. tall and weighs 100,630 lbs. The actual depth of the foundation pad was not known, however it was assumed to be approximately 4 ft. deep. Furthermore, subsurface soil conditions were unknown.

Based on our general assumptions regarding site characteristics, a potential risk would exist if any excavations were carried below the nitrogen storage pad bearing elevation. Any excavations made within a distance equal to the width of the pad (11 ft.) could cause sloughing of the bearing soils or saturation of the soil which both contribute to soil instability. This excavation would be made immediately adjacent to the pad and therefore cause a risk of undermining the nitrogen storage pad.

Failure of the nitrogen storage pad foundation could have devastating consequences. In that regard, all risks should be removed prior to abandoning the methanol tank. Obviously, abandoning the tank in place would accomplish this.

Should you have any questions or need any further assistance, please do not hesitate to call.

Very truly yours,
Herrick-Saylor Engineers, P.C.

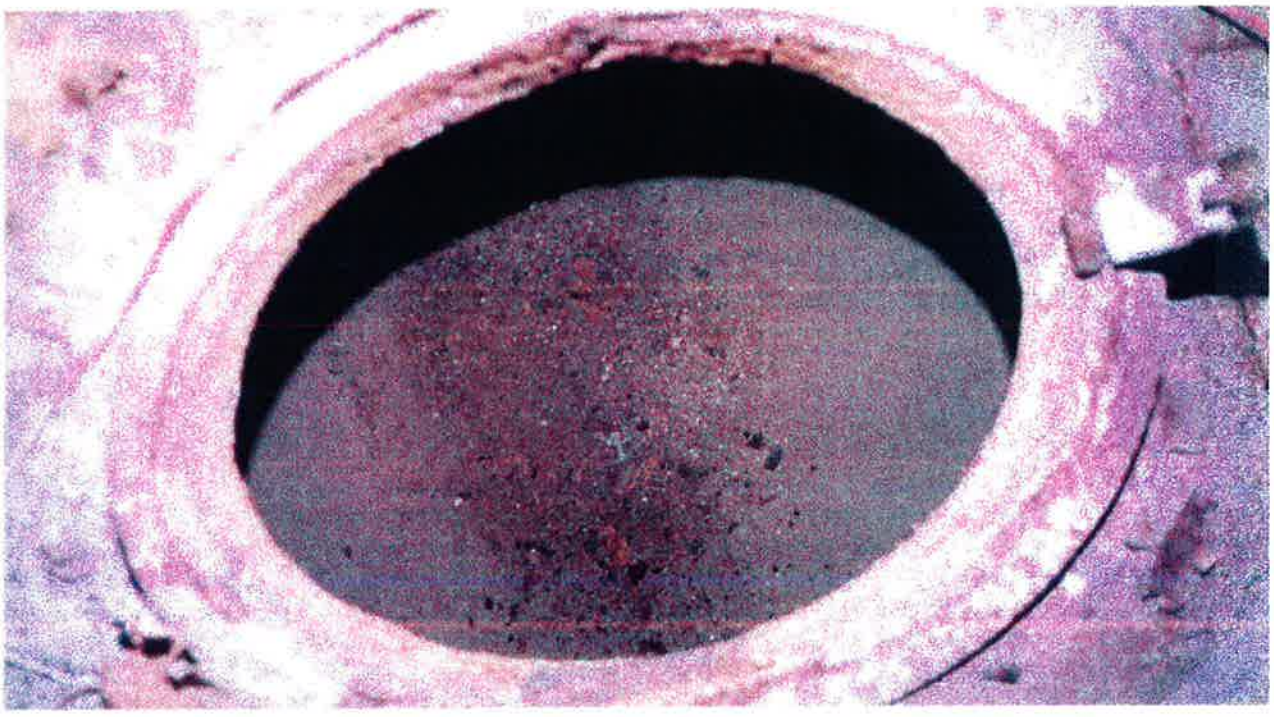
Jay R. Saylor, P.E.
Vice President

349 West Commercial Street, Suite 3350 • East Rochester, N.Y. 14445 • (716) 586-1700 • Fax (716) 586-8020

APPENDIX C

UST CLOSURE PHOTOGRAPHS

Methanol UST with pressure cover removed



Debris from pressure cover in tank bottom

Methanol UST manway riser being removed (pressure cover at bottom right)

Manway riser removed (upper right) prior to filling UST

Methanol UST after filling with K-Crete

APPENDIX D

TEST BORING LOGS

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-1

Project: Subsurface Study
DAY Representative: J. Dorety
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Hand-held Geoprobe
Sampling Method: Acetate sleeve
Completion Method: Backfilled/bentonite

Project No: 1784I-98
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 1/19/00
Completion Date: 1/19/00
Borehole Diameter: 1.5"
Borehole Depth: 8.0 feet
Water Level: NA

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak FID Reading (ppm)	Monitoring Well Installation Log	Sample Description
1	NA	SS-1	0-2	75	NA	0.0 0.0 0.0		Brown to dark brown Sand, Silt, Gravel, Asphalt, damp (FILL).
3	NA	SS-2	2-4	0	NA	---		No Recovery
5	NA	SS-3	4-6	15	NA	0.0 0.0		Dark brown Sand, Silt, Gravel, Asphalt, Cinders, moist (FILL).
7	NA	SS-4	6-8	0	NA	---		No Recovery
8								Bottom/boring @ 8'

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-2

Project: Subsurface Study
DAY Representative: J. Dorety
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Hand-held Geoprobe
Sampling Method: Acetate sleeve
Completion Method: Backfilled/bentonite

Project No: 1784I-98
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 1/19/00
Completion Date: 1/19/00
Borehole Diameter: 1.5"
Borehole Depth: 8.0 feet
Water Level: NA

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak FID Reading (ppm)	Monitoring Well Installation Log	Sample Description
1	NA	SS-1	0-2	75	NA	0.0 0.0 0.0		Brown to dark brown Sand, Silt, Gravel, Roots, Asphalt, Cinders, damp (FILL).
2								
3	NA	SS-2	2-4	30	NA	0.0 0.0		
4								
5	NA	SS-3	4-6	10	NA	0.0		
6								Light brown fine to medium Sand, some Silt, trace Gravel, damp (FILL).
7	NA	SS-4	6-8	50	NA	0.0 0.0 0.0		...wet at 6.5' Brown Silty CLAY, some Sand, little Gravel, wet.
8								Bottom/boring @ 8'
9								
10								
11								
12								

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-3

Project: Subsurface Study
DAY Representative: J. Dorety
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Hand-held Geoprobe
Sampling Method: Acetate sleeve
Completion Method: Backfilled/bentonite

Project No: 1784I-98
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 1/19/00
Completion Date: 1/19/00
Borehole Diameter: 1.5"
Borehole Depth: 8.0 feet
Water Level: NA

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak FID Reading (ppm)	Monitoring Well Installation Log	Sample Description
1	NA	SS-1	0-2	75	NA	0.0 0.0 0.0 0.0		Brown to dark brown Sand, Silt, Gravel, Cinders, Slag, Roots, damp (FILL).
2								
3	NA	SS-2	2-4	80	NA	0.0 0.0 0.1 0.0		Dark brown to black Silt, fine Clay, Cinders, Slag, Ash, Glass, Wood, damp (FILL).
4								
5	NA	SS-3	4-6	75	NA	0.0 0.0 0.1 0.0		Reddish brown Silty CLAY, some Sand, trace Gravel, moist.
6								
7	NA	SS-4	6-8	85	NA	0.0 0.0 0.0 0.0		Reddish brown Silty SAND and Gravel, trace Clay, wet.
8								Bottom/boring @ 8'
9								
10								
11								
12								

Day Environmental, Inc.
2144 Brighton-Henrietta T.L. Rd.
Rochester, New York 14623
(716) 292-1090

BORING NUMBER: TB-4

Project: Subsurface Study
DAY Representative: J. Dorety
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Hand-held Geoprobe
Sampling Method: Acetate sleeve
Completion Method: Backfilled/bentonite

Project No: 1784I-98
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 1/19/00
Completion Date: 1/19/00
Borehole Diameter: 1.5"
Borehole Depth: 8.0 feet
Water Level: NA

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak FID Reading (ppm)	Monitoring Well Installation Log	Sample Description
1	NA	SS-1	0-2	95	NA	0.0 0.0 0.0 0.0		Brown Sand, Silt, Gravel, Roots, Clay, damp (FILL).
2								Tan Sand, some Silt, trace fine Gravel, damp (FILL).
3	NA	SS-2	2-4	80	NA	0.0 0.0 0.0 0.0		
4								
5	NA	SS-3	4-6	60	NA	0.0 0.0 0.0		...wet at 5.5'
6								
7	NA	SS-4	6-8	75	NA	0.0 0.0 0.8 0.0		Dark brown Silt, fine Sand, trace Clay, Organics, moist (Original Grade). Reddish brown Silty SAND and Gravel, trace Clay, wet.
8								Bottom/boring @ 8'
9								
10								
11								
12								

APPENDIX E

ANALYTICAL LABORATORY REPORT

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

February 4, 2000

Mr. Joe Dorety
Day Environmental
2144 Brighton Henrietta TL Rd.
Rochester, NY 14623

PROJECT:UST CLOSURE
Submission #:R2000605

Dear Mr. Dorety:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 02/02/00 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Janice Jaeger
Project Chemist

Enc.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director prior to report submittal.

1 Mustard St. • Suite 250 • Rochester, NY 14608 • Tele:(716)288-5380 • Fax:(716)288-8475

Columbia Analytical Services Inc.

Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. For further explanation see case narrative / cover letter.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)

* - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)

- Also used to qualify Organics QC data outside limits.

D - Spike diluted out.

S - Reported value determined by Method of Standard Additions. (MSA)

X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester:	10145	NJ ID # in Rochester:	73004
CT ID # in Rochester:	PH0556	RI ID # in Rochester:	158
MA ID # in Rochester:	M-NY032	NH ID # in Rochester:	294198-A
OH EPA # in Rochester:	VAP	AIHA # in Rochester:	7889

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8015B METHANOL
Reported: 02/04/00

Day Environmental
Project Reference: UST CLOSURE
Client Sample ID : 1784-01 TB-2 (7')

Date Sampled : 01/19/00 **Order #:** 354965 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/20/00 **Submission #:** R2000605 **Percent Solid:** 82.6

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 02/01/00			
ANALYTICAL DILUTION: 5.00			Dry Weight
METHANOL	1000	6100 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8015B METHANOL
Reported: 02/04/00

Day Environmental
Project Reference: UST CLOSURE
Client Sample ID : 1784-02 TB-4 (7.5')

Date Sampled : 01/19/00 **Order #:** 354966 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/20/00 **Submission #:** R2000605 **Percent Solid:** 83.2

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 02/01/00			
ANALYTICAL DILUTION: 5.00			Dry Weight
METHANOL	1000	6000 U	UG/KG

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8015B METHANOL
Reported: 02/04/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 356891 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Percent Solid:** 100

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 02/01/00			
ANALYTICAL DILUTION: 1.00			Dry Weight
METHANOL	1000	1000 U	UG/KG

Columbia Analytical Services INC.
An Employee-Owned Company

Mustard St., Suite 250, Rochester, NY 14609-69245
(716) 288-5380 • FAX (716) 288-8475

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

DATE 1/20/00 PAGE 1 OF 1

PROJECT NAME UST Closure
PROJECT MANAGER/CONTACT Joe Dorety
COMPANY/ADDRESS Day Environmental, Inc.
2144 BHTL Rd., Roch., NY
TEL (716) 292-1090 x118 FAX (716) 292-0425
SAMPLER'S SIGNATURE J Joseph Dorety

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	FOR OFFICE USE ONLY LAB I.D.	SAMPLE MATRIX	# OF CONTAINERS	USEPA 8015 Methanol	PRESERVATION pH < 2.0	PRESERVATION pH > 12	PRESERVATION Other Ice
1784-01 TB-2(7')	1/19/00	12:00	35495	Soil	1	X			
1784-02 TB-4(7.5')	1/19/00	12:50	35496	Soil	1	X			

GC/MS VOA's ☐ 8260 ☐ 624 ☐ 95-1
GC/MS SVOA's ☐ 8270 ☐ 625 ☐ 95-2
GC VOA's ☐ 8021 ☐ 601/602
PESTICIDES/PCB's ☐ 8081 ☐ 608 ☐ 95-3
STAR'S LIST 8021 VOA's ☐ TOTAL ☐ TCLP
STAR'S LIST 8270 SVOA's ☐ TOTAL ☐ TCLP
TCLP ☐ METALS ☐ VOA's ☐ SVOA's ☐ H/P
WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit.
METALS, TOTAL (LIST BELOW)
METALS, DISSOLVED (LIST BELOW)

RELINQUISHED BY:
Signature: J Joseph Dorety
Printed Name: J Joseph Dorety
Firm: Day Environmental
Date/Time: 1/20/00 14:00

RECEIVED BY:
Signature: Brian Calhoun
Printed Name: Brian Calhoun
Firm: CAS
Date/Time: 1/20/00 1400

RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

RECEIVED BY:
Signature: Joseph O'Esmerio
Printed Name: Joseph O'Esmerio
Firm: CAS
Date/Time: 1-20-00 14:00

RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS
__ 24 hr. __ 48 hr. __ 5 day
X Standard (10 working days)
__ Provide Verbal Preliminary Results
__ Provide FAX Preliminary Results
Requested Report Date _____

REPORT REQUIREMENTS
X 1. Routine Report
__ 2. Routine Rep. w/CASE Narrative
__ 3. EPA Level III Validatable Package
__ 4. N.J. Reduced Deliverables Level IV
__ 5. NY ASP/CLP Deliverables
__ 6. Site specific QC.

INVOICE INFORMATION:
P.O. #: 1784
Bill To: Day Environmental

SAMPLE RECEIPT:
Shipping Via: Client
Shipping #:
Temperature: 5°
Submission No: R2000605

SPECIAL INSTRUCTIONS/COMMENTS:
METALS
ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Check Form

Project/Client Day Submission Number R2-605

Cooler received on BE by: 1/20/00 COURIER: CAS UPS FEDEX CD&L (CLIENT)

1.	Were custody seals on outside of cooler?	YES / ~~NO~~ : Date___ : Signature				
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES) NO				
3.	Did all bottles arrive in good condition (unbroken)?	(YES) NO				
4.	Were VOA vials checked for absence of air bubbles, and noted if so?	YES NO (NA)				
5.	Were **Ice** or **Ice packs** present?	YES ~~NO~~				
6.	Where did the bottles originate?	(CAS/ROC) CLIENT				
7.	Temperature of cooler(s) upon receipt:	5°				
	Is the temperature within 0° - 6° C?:	Yes ☒	Yes ☐	Yes ☐	Yes ☐	Yes ☐
	If No, Explain Below	No ☐	No ☐	No ☐	No ☐	No ☐

Date/Time Temperatures Taken: 1/20/00 1400

Thermometer ID:_____ Temp Blank Sample Bottle Cooler Temp. (IR. Gun)

If out of Temperature, Client Approval to Run Samples_____

Cooler Breakdown: Date : 1-20-00 by: JE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES) NO	
2.	Did all bottle labels and tags agree with custody papers?	(YES) NO	
3.	Were correct bottles used for the tests indicated?	(YES) NO	

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
5-9*	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH_____

*If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Appendix H

Analytical Laboratory Reports

(On CD)

Appendix I

Emerging Contaminant Sampling Protocols

Groundwater Sampling for Emerging Contaminants

April 2018

Issue: NYSDEC has committed to analyzing representative groundwater samples at remediation sites for emerging contaminants (1,4-dioxane and PFAS) as described in the below guidance.

Implementation

NYSDEC project managers will be contacting site owners to schedule sampling for these chemicals. Only groundwater sampling is required. The number of samples required will be similar to the number of samples where "full TAL/TCL sampling" would typically be required in a remedial investigation. If sampling is not feasible (e.g., the site no longer has any monitoring wells in place), sampling may be waived on a site-specific basis after first considering potential sources of these chemicals and whether there are water supplies nearby.

Upon a new site being brought into any program (i.e., SSF, BCP), PFAS and 1,4-dioxane will be incorporated into the investigation of groundwater as part of the standard "full TAL/TCL" sampling. Until an SCO is established for PFAS, soil samples do not need to be analyzed for PFAS unless groundwater contamination is detected. Separate guidance will be developed to address sites where emerging contaminants are found in the groundwater. The analysis currently performed for SVOCs in soil is adequate for evaluation of 1,4-dioxane, which already has an established SCO.

Analysis and Reporting

Labs should provide a full category B deliverable, and a DUSR should be prepared by a data validator, and the electronic data submission should meet the requirements provided at: https://www.dec.ny.gov/chemical/62440.html ,

The work plan should explicitly describe analysis and reporting requirements.

PFAS sample analysis: Currently, ELAP does not offer certification for PFAS compounds in matrices other than finished drinking water. However, laboratories analyzing environmental samples (ex. soil, sediments, and groundwater) are required, by DER, to hold ELAP certification for PFOA and PFOS in drinking water by EPA Method 537 or ISO 25101.

Modified EPA Method 537 is the preferred method to use for groundwater samples due to the ability to achieve 2 ng/L (ppt) detection limits. If contract labs or work plans submitted by responsible parties indicate that they are not able to achieve similar reporting limits, the project manager should discuss this with a DER chemist. Note: Reporting limits for PFOA and PFOS should not exceed 2 ng/L.

PFAS sample reporting: DER has developed a PFAS target analyte list (below) with the intent of achieving reporting consistency between labs for commonly reportable analytes. It is expected that reported results for PFAS will include, at a minimum, all the compounds listed. This list may be updated in the future as new information is learned and as labs develop new capabilities. If lab and/or matrix specific issues are encountered for any particular compounds, the NYSDEC project manager will make case-by-case decisions as to whether particular analytes may be temporarily or permanently discontinued from analysis for each site. Any technical lab issues should be brought to the attention of a NYSDEC chemist.

Some sampling using this full PFAS target analyte list is needed to understand the nature of contamination. It may also be critical to differentiate PFAS compounds associated with a site from other

sources of these chemicals. Like routine refinements to parameter lists based on investigative findings, the full PFAS target analyte list may not be needed for all sampling intended to define the extent of contamination. Project managers may approve a shorter analyte list (e.g., just the UCMR3 list) for some reporting on a case by case basis.

1,4-Dioxane Analysis and Reporting: The method detection limit (MDL) for 1,4-dioxane should be no higher than 0.28 µg/l (ppb). ELAP offers certification for both EPA Methods 8260 and 8270. In order to get the appropriate detection limits, the lab would need to run either of these methods in "selective ion monitoring" (SIM) mode. DER is advising the use of method 8270, since this method provides a more robust extraction procedure, uses a larger sample volume, and is less vulnerable to interference from chlorinated solvents (we acknowledge that 8260 has been shown to have a higher recovery in some studies).

Full PFAS Target Analyte List

Group	Chemical Name	Abbreviation	CAS Number
Perfluoroalkyl sulfonates	**Perfluorobutanesulfonic acid**	**PFBS**	**375-73-5**
	Perfluorohexanesulfonic acid	**PFHxS**	**355-46-4**
	Perfluoroheptanesulfonic acid	PFHpS	375-92-8
	Perfluorooctanessulfonic acid	**PFOS**	**1763-23-1**
	Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluoroalkyl carboxylates	Perfluorobutanoic acid	PFBA	375-22-4
	Perfluoropentanoic acid	PFPeA	2706-90-3
	Perfluorohexanoic acid	PFHxA	307-24-4
	Perfluoroheptanoic acid	**PFHpA**	**375-85-9**
	Perfluorooctanoic acid	**PFOA**	**335-67-1**
	Perfluorononanoic acid	**PFNA**	**375-95-1**
	Perfluorodecanoic acid	PFDA	335-76-2
	Perfluoroundecanoic acid	PFUA/PFUdA	2058-94-8
	Perfluorododecanoic acid	PFDoA	307-55-1
	Perfluorotridecanoic acid	PFTriA/PFTrDA	72629-94-8
	Perfluorotetradecanoic acid	PFTA/PFTeDA	376-06-7
Fluorinated Telomer Sulfonates	6:2 Fluorotelomer sulfonate	6:2 FTS	27619-97-2
	8:2 Fluorotelomer sulfonate	8:2 FTS	39108-34-4
Perfluorooctane-sulfonamides	Perfluroroctanesulfonamide	FOSA	754-91-6
Perfluorooctane-sulfonamidoacetic acids	N-methyl perfluorooctanesulfonamidoacetic acid	N-MeFOSAA	2355-31-9
	N-ethyl perfluorooctanesulfonamidoacetic acid	N-EtFOSAA	2991-50-6

Bold entries depict the 6 original UCMR3 chemicals

Collection of Groundwater Samples for Perfluorooctanoic Acid (PFOA) and Perfluorinated Compounds (PFCs) from Monitoring Wells Sample Protocol

Samples collected using this protocol are intended to be analyzed for perfluorooctanoic acid (PFOA) and other perfluorinated compounds by Modified (Low Level) Test Method 537.

The procedure used must be consistent with the NYSDEC March 1991 Sampling Guidelines and Protocols http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf with the following materials limitations.

At this time acceptable materials for sampling include: stainless steel, high density polyethylene (HDPE), PVC, silicone, acetate and polypropylene. Equipment blanks should be generated at least daily. Additional materials may be acceptable if pre-approved by NYSDEC. Requests to use alternate equipment should include clean equipment blanks. **NOTE: Grunfos pumps and bladder pumps are known to contain PFC materials (e.g. Teflon™ washers for Grunfos pumps and LDPE bladders for bladder pumps).** All sampling equipment components and sample containers should not come in contact with aluminum foil, low density polyethylene (LDPE), glass or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer. Standard two step decontamination using detergent and clean water rinse will be performed for equipment that does come in contact with PFC materials. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFC materials must be avoided. Many food and drink packaging materials and “plumbers thread seal tape” contain PFCs.

All clothing worn by sampling personnel must have been laundered multiple times. The sampler must wear nitrile gloves while filling and sealing the sample bottles.

Pre-cleaned sample bottles with closures, coolers, ice, sample labels and a chain of custody form will be provided by the laboratory.

1. Fill two pre-cleaned 500 mL HDPE or polypropylene bottle with the sample.
2. Cap the bottles with an acceptable cap and liner closure system.
3. Label the sample bottles.
4. Fill out the chain of custody.
5. Place in a cooler maintained at 4 ± 2º Celsius.

Collect one equipment blank for every sample batch, not to exceed 20 samples.

Collect one field duplicate for every sample batch, not to exceed 20 samples.

Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, not to exceed 20 samples.

Request appropriate data deliverable (Category A or B) and an electronic data deliverable.