2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

Prepared for

Utica Holding Company c/o
Danaher Corporation
1500 Mittel Boulevard
Wood Dale, IL 60191

Prepared by

Synapse Risk Management, LLC.
360 Erie Boulevard East
Syracuse, New York 13202

February 2016

CERTIFICATION

I, Paul M. Fisher, P.E., as a New York State licensed Professional Engineer, certify that the 2015 Periodic Review Report, Sections 1 through 5, for the property located at 2200 Bleecker Street, Utica, New York, pursuant to the Draft DER-10, December 2002 (updated November 2010), Section 1.5(a)9, has been prepared in accordance with good engineering practices and under my direct review. I further certify that the inspections and evaluations, for said sections, were implemented and that all activities were completed in accordance with the NYSDEC-approved Operation, Maintenance and Monitoring Manual and/or NYSDEC-approved changes.

Synapse Engineering, PLLC

2/25/16

Paul M. Fisher, P.E.

CERTIFICATION

I John P. Sobiech as a licensed Professional Engineer in the State of New York, certify that Section 6 (January 1, 2010-December 31, 2010) of the 2015 Periodic Review Report, for the property located at 2200 Bleecker Street, Utica, New York, is prepared pursuant to the Draft DER-10, December 2002 (updated November 2010), Section 1.5(a) 8 and has been prepared in accordance with good engineering practices.

John P. Sobiech

Printed Name of Certifying Engineer

_____

Signature of Certifying Engineer

_____

Date of Certification

068973

Registration Number

NY

Registration State

Clough Harbour & Associates LLP

Company

Partner

Title

TABLE OF CONTENTS

LIST OF APPENDICES

ACRONYMS AND ABBREVIATIONS

ABBREVIATION	NAME
BBL	Blasland, Bouck & Lee
bgs	below ground surface
cfm	cubic feet per minute
cis-1,2-DCE	cis-1,2-dichloroethene
CMP	corrugated metal pipe
Coolidge	Coolidge Utica Properties, LLC
CPTC	Chicago Pneumatic Tool Company
Danaher	Danaher Corporation
DER-10	NYSDEC's Draft DER-10, *Technical Guidance for Site Investigation and Remediation* dated November 2010
DMRs	Discharge Monitoring Reports
Fathead Minnow	Pimephales promelas (vertebrate)
FER	Final Engineering Report
gpd	gallons per day
gpm	gallons per minute
GTS	groundwater treatment system
HDPE	high-density polyethylene
IRM	Surface Water Interim Remedial Measures
ISACC	Intelligent System for Automatic Control & Communication (Auto Dialer System)
Main Building	former main manufacturing building
MH	Manhole
mg/l	Milligrams/liter
NCT	northern collection trench
ng/l	nanograms/liter
NYSDEC	New York State Department of Environmental Conservation
OBG	O'Brien and Gere Engineers, Inc.
OCDWC	Oneida County Department of Water Quality and Water Pollution Control
OM&M	Operation, Maintenance and Monitoring
PCB	polychlorinated biphenyl
PVC	polyvinyl chloride
QA/QC	Quality assurance/quality control
RA	Remedial Action
RAF	Remedial Action Facility
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision
SCT	southern collection trench
SECOR	SECOR International Incorporated
SPDES	State Pollutant Discharge Elimination System
SVOC	semi-volatile organic compound
TCE	Trichloroethylene
the Property	2200 Bleecker Street in Utica, New York
TOGS 1.1.1	NYSDEC Division of Water *Technical and Operation Guidance Series (1.1.1) Ambient Water Quality and Guidance Values and Groundwater Effluent Limitations* dated June 1998
trans-1,2-DCE	trans-1,2-dichloroethene
TSS	total suspended solids
ug/l	micrograms/liter
UHC	Utica Holding Company
VC	vinyl chloride
VOC	volatile organic compound
Water Flea	Ceriodaphnia dubia (invertebrate)

ASSOCIATED DOCUMENTS

ABBREVIATION	TITLE	AUTHOR	DATE
Phase 1	Phase I Investigation	BBL	8/85
SIR	Site Investigation Report	BBL	7/90
PSA	Preliminary Site Assessment	NYSDEC	11/90
Order	Order on Consent for RI/FS Index No. A6-0279-920-04	NYSDEC	10/26/93
RI	Remedial Investigation Report	BBL	10/94
IRM	Surface Water Interim Remedial Measures (Design)	BBL	10/94
IRM-DWG	IRM Contract Drawing	BBL	04/95
IRM OM&M	IRM Operation & Maintenance Manual	BBL	04/95
RI/FS	Health and Safety Plan - Addendum #1 Remedial Investigation/Feasibility Study	BBL	10/95
SRI/FS	Supplemental Remedial Investigation Report/Feasibility Study	BBL	12/95
ROD	Record of Decision - Site No. 622003	NYSDEC	3/29/96
ORDER	Administrative Order on Consent Index No. B6-0491-96-04	NYSDEC	10/02/97
RD	Remedial Design Work Plan	BBL	11/97
RDS	Remedial Design Specifications	BBL	4/98
SPDES-SAP	SPDES Stormwater Action Plan	SECOR	6/00
FER	Final Engineering Report (Final)	SECOR	8/01
OMM	Operation, Maintenance & Monitoring Manual (Final)	SECOR	4/01
2000-RPT	2000 Annual Operation, Maintenance & Monitoring Report	SECOR	4/01
2001-RPT	2001 Annual Operation Maintenance & Monitoring Report	SECOR	8/02
UHC SPDES	Utica Holding Company SPDES Permit No. NY-0257087	NYSDEC	9/1/02
CPTC SPDES	Chicago Pneumatic SPDES Permit No. NY-0108537	NYSDEC	9/1/02
2002-RPT	2002 Annual Operation, Maintenance and Monitoring Report	SECOR	3/03
2003-RPT	2003 Annual Operation, Maintenance and Monitoring Report	Domani	3/04
2004-RPT	2004 Annual Operation, Maintenance and Monitoring Report	Synapse	3/05
2005-RPT	2005 Annual Operation, Maintenance and Monitoring Report	Synapse	2/06
2006-RPT	2006 Annual Operation, Maintenance and Monitoring Report	Synapse	4/07
2007-RPT	2007 Annual Operation, Maintenance and Monitoring Report	Synapse	4/08 revised 6/08
2008-RPT	2008 Annual Operation, Maintenance and Monitoring Report	Synapse	5/09
2009-RPT	2009 Annual Operation, Maintenance and Monitoring Report	Synapse	7/10
2010-PRR	2010 Periodic Review Report	Synapse	8/11
2011-PRR	2011 Periodic Review Report	Synapse	8/12
2012-213 PRR	2012-2013 Periodic Review Report	Synapse	1/14
2014 PRR	2014 Periodic Review Report	Synapse	1/15

1.0 INTRODUCTION

This 2015 Periodic Review Report (PRR) provides an annual review of activities relative to the property located at 2200 Bleecker Street in Utica, New York (the Property).

Chicago Pneumatic Tool Company (CPTC) owned and operated at the Property from 1948 through 1997 for manufacturing. In 1997, Coolidge Utica LLC took title to the former main manufacturing building (Main Building), land beneath the Main Building, and other improvements. Utica Holding Company (UHC), a subsidiary of Danaher Corporation (Danaher), owns the land surrounding the Main Building. UHC leases its interest to Utica Land Equities, LLC (ULE) pursuant to a long term triple net lease.

In November 2009, 2200 Bleecker Street Properties LLC (2200 BSP) acquired fee ownership of the Main Building, buildings improvements and land beneath the Main Building from Coolidge Utica LLC. 2200 Bleecker also is presumed to represent the controlling interest in ULE as the tenant of the land surrounding the Main Building (the Leased Premises).

1.1 Regulatory History

Environmental assessments and investigations conducted between 1985 through 1990 identified impacted soil, surface water, and groundwater at the Property, and prompted the New York State Department of Environmental Conservation (NYSDEC) to issue an Administrative Order on Consent in 1993 directing the investigation and remediation of impacted areas at the Property. In 1996, NYSDEC issued a Record of Decision (ROD) for the Property, and listed it in the Registry of Inactive Hazardous Waste Disposal Sites, followed by a second Administrative Order on Consent. This set forth a Remedial Design (RD) and subsequent Remedial Action (RA) required for the Property. Following completion of the RA construction and reporting activities, NYSDEC issued a letter indicating that the RA had been approved.

1.2 Purpose

This PRR has been prepared in conformance with the requirements set forth in NYSDEC's DER-10, dated November 2010, *Technical Guidance for Site Investigation and Remediation* (DER-10), and has been prepared in reference to the Final Engineering Report (FER) for the Property, previously submitted and approved by NYSDEC. Additionally, the April 2001 site specific Operation, Maintenance and Monitoring (OM&M) Manual was approved by NYSDEC, along with subsequent PRR's. This PRR, as guided by the OM&M Manual, has the following objectives:

- To provide an ongoing review and evaluation with regards to the compliance of the RA with the requirements of the ROD and subsequent Order on Consent;
- To provide an evaluation of the effectiveness of ongoing remedial operations, engineering controls, and treatment systems in use at the Property, and identification of any needed repairs or modifications;
- To provide an assessment of the performance and effectiveness of the remedy;
- To document any necessary changes to the remedy and/or monitoring systems;
- To provide recommendations for changes and/or new conclusions regarding environmental impact at the Property based on this evaluation;
- To provide information to the public; and
- Submit the requisite PRR for the Property.

1.3 Report Organization

This report has been organized into six sections, each addressing a specific physical area/feature and/or regulatory program/requirement pertaining to ongoing OM&M at the Property as follows:

Section 1.0 – Introduction - Discusses the regulatory history of the Property, the purpose of this annual report, the report's originations and an overview of party contributions and subsequent responsibilities;

Section 2.0 - Property Background - Discusses the current ownership and uses of the Property, geology and hydrogeology and environmental investigations;

Section 3.0 – Engineering Controls Remedial Action Facility (RAF) - Discusses the management of the RAF and the associated Engineering Controls at the Property;

Section 4.0 – Site Management - Groundwater Monitoring – Discusses the semi-annual groundwater sampling events at the Property;

Section 5.0 – Engineering Controls – Sub-Slab Depressurization System (SSDS) – A building wide SSDS was installed to mitigate vapor intrusion in the Main Building. The 2014 SSDS As-built report was submitted to NYSDEC and New York State Department of Health in January 2015 for review and approval. The section discusses the SSDS and the results of the 2015 indoor air and sub-slab soil vapor sampling.

Section 6.0 – Engineering Controls - Operation, Maintenance and Performance Monitoring - Discusses CPTC's operation and maintenance of the groundwater treatment system (GTS) and SPDES Outfall 03A installed to monitor the GTS effluent at the Property. This section was prepared by Clough Harbour Associates (CHA) on behalf of CPTC.

Each section contains appropriate tables and figures as they apply to that specific section. The PRR also discusses and presents, as appendices, applicable data and information so as to satisfy the DER-10 requirements, such as site inspection forms, field monitoring logs, and laboratory analytical data.

1.4 Property Management

On behalf of UHC, Synapse Risk Management LLC (Synapse) of Syracuse, New York, has managed the administrative and technical requirements pursuant to the RA during 2015, with the exception of the GTS, which has been operated by CHA of Syracuse, New York on behalf of CPTC since September 2008.

2.0 PROPERTY BACKGROUND

The overall Property consists of a 77-acre parcel (see Figure 2-1 – Aerial Property Map) located in an industrial setting, with approximately 35 acres of undeveloped woodland at the southern portion of the Property. 2200 BSP took title to the Main Building, land beneath the Main Building and other improvements in November 2009 and subsequently leases portions of the building to various tenants. UHC retains ownership of the Leased Premises (see Figure 2-2 – Facility Plan) but has leased its interest to ULE pursuant to a long term triple net lease. The periphery of the Property receives monthly inspection and maintenance in conjunction with the required inspections of the RAF and associated components. This section includes inspection and maintenance only of the portions of the Property that are owned and accessible by UHC, not the Main Building. The RAF, groundwater monitoring, SSDS, and GTS are discussed in Section 3, Section 4, Section 5, and Section 6, respectively.

2.1 Property Ownership

CPTC occupied the Property from 1948 until 1997 for the manufacture of pneumatic tools. Danaher Corporation owned CPTC, but later transferred ownership of CPTC to Atlas Copco.

In 1997, Coolidge Utica took title to the 458,000 square foot Main Building, land beneath the Main Building, and other improvements. UHC owns the land surrounding the Main Building and has leased its interest to ULE since 1997 pursuant to a long term triple net lease. In November 2009, 2200 BSP acquired the fee ownership interests in the improvements and land beneath the Main Building from Coolidge Utica. In 2015, the majority of the Main Building was occupied with tenants that generally include warehouse storage, food (dough) manufacturing, environmental composite manufacturing and uniform branding. The Main Building is surrounded by approximately 57,000 square feet of unoccupied ancillary buildings. Paved access roads and parking areas surrounding the improvements account for approximately 12 acres. An approximate 35-acre wooded tract, at the southern portion of the Property, remains undeveloped. No specific changes to the Property's makeup or unusual activities related to operation and maintenance requirements were noted during 2015, with exception of the offsite disposal of approximately 398 tons of impacted soils to Seneca Meadows landfill of Waterloo, New York. The soil disposal was conducted by UHC after a formal request from NYSDEC from a letter dated October 14, 2015. The soils were generated from unauthorized excavations activities conducted by 2200 BSP's during loading dock construction. The unauthorized excavation activities were knowingly conducted by 2200 BSP's, a direct violation of the terms of the ground lease for the Leased Premises. The weight tickets and non-hazardous manifests for the soil disposal are included in Appendix A

2.2 Summary of Environmental Investigations

Remedial Investigation/Remedial Action

Potential environmental conditions at the Property were first identified in a 1985 Phase I Site Assessment (see Associated Documents). A subsequent site investigation was conducted in July 1990, and NYSDEC conducted a Preliminary Site Assessment later that year. Based on the findings presented in these investigation reports, NYSDEC issued an Administrative Order on Consent in 1993 which mandated the further investigation and remediation of impacted areas at the Property. Pursuant to this Order on Consent, Blasland Bouck & Lee, Inc. (BBL) submitted a Remedial Investigation (RI) report and a Surface Water Interim Remedial Measures (IRM) design in 1994, and a Supplemental Remedial Investigation/Feasibility Study in 1995. In 1996, NYSDEC issued a ROD for the Property, and listed the Property in the Registry of Inactive Hazardous Waste Sites (No. 622003 - Class 2), specifying the RA required for the Property. A second administrative Order on Consent was issued in 1997 followed by the RD. The IRM included the installation of an air groundwater treatment system (GTS) that has been in operation since 1995. The GTS was incorporated into the final RD, with the OM&M requirements conducted by CPTC.

Soil Vapor Intrusion

In October 2005, Synapse prepared a Soil Vapor Intrusion Work Plan on behalf of UHC in response to NYSDEC's July 18, 2005 letter requesting participation in a soil vapor intrusion evaluation.

On November 10, 2005, Coolidge Utica, LLC, owner of the Main Building at the time, denied UHC access into the building to undertake said evaluation. In response, the NYSDEC issued acknowledgment of the denial of access and indicated NYSDEC was postponing further review and approval subject to access to the Main Building.

Upon the change of ownership to 2200 BSP (November 2009), UHC submitted a revised Vapor Intrusion Workplan to NYSDEC (March 2010) that was subsequently approved on April 26, 2010.

In June 2010, a total of twenty four (24) sub-slab soil vapor samples were collected concurrently with four (4) soil vapor and seven (7) indoor air samples. Volatile Organic Compounds (VOCs) were present in 19 of the 24 sub-slab soil vapor samples collected in the Main Building at concentrations above NYSDOH Soil Vapor/Indoor Air Matrix 1 and/or Matrix 2 mitigation guidance levels. The summary of sampling results is as follows:

- VOCs were present in 16 of the 24 sub-slab vapor samples at concentrations above NYSDOH Soil Vapor/Indoor Air Matrix 1 mitigation guidance levels.
- VOCs were present in 9 of the 24 sub-slab vapor samples at concentrations above NYSDOH Soil Vapor/Indoor Air Matrix 2 mitigation guidance levels.
- VOCs were not detected in outdoor air samples at concentrations above NYSDOH Air Guideline Values.
- VOCs were not detected in the indoor air samples at concentrations above NYSDOH Air Guideline Values, with one exception.
    - TCE was detected in 3 of the 7 samples at concentrations that exceed the NYSDEC Air Guideline Value of 5 ug/m^3.

Based on the vapor intrusion investigation results and findings, it was recommended that a soil vapor mitigation system design for the Main Building be prepared and submitted to NYSDEC and NYSDOH for review and approval.

In December 2011, a sub-slab diagnostic communication testing program was conducted to determine whether a sub-slab depressurization system would be a viable mitigation strategy to reduce subsurface vapor identified beneath the Main Building sub-slab floor. The intent of the sub-slab diagnostic communication testing was to gain an understanding of the sub-slab flow conditions with the design goal of determining horizontal suction point distances, effective pipe diameter, blower horse power (hp) and expected radius of influence (ROI).

The results of the sub-slab communication testing indicated that a sub-slab depressurization system (SSDS) was a feasible mitigation method with allowable horizontal distances for vacuum sumps ranging between 100 and 125 feet.

In August 2013, UHC's contractors installed a building wide SSDS. The SSDS consists of six individual fans connected to three (3) or four (4) inline vacuum sumps. The SSDS and the results of the 2015 indoor air and sub-slab vapor sampling are further discussed in Section 5.

2.3 Summary of Remedial Actions

The RA was conducted from May 1998 through December 1999. Prior to approving the FER and OM&M Manual, NYSDEC issued a letter dated March 7, 2000 reclassifying the Property from a Class 4 to a Class 2 Inactive Hazardous Waste Disposal Site, a lower priority Site. A June 2000 SPDES Stormwater Action Plan was prepared and transmitted to NYSDEC to document SPDES corrective actions performed at the Property and to set forth contingency measures associated with identified SPDES Permit exceedances. On December 11, 2001, NYSDEC issued a letter indicating that the FER and OM&M Manual for the Property had been approved CPTC and UHC retain responsibility for implementing long term OM&M of the GTS and RAF, respectively, at the Property.

The RA included the following major components:

- Remediation involving soil and sediment removal at 14 initially identified source areas and four (4) additional areas identified during the RA (see Figure 2-3 - Historical Remedial Action Areas);

- Construction of a lined containment cell to store impacted soil and sediment from 15 identified source areas requiring excavation and containment. The containment cell and associated leachate collection system and building are surrounded by a perimeter fence and access is limited to authorized individuals personnel to conduct OM&M activities. This fenced area is referred to as the RAF; and

- Construction of two (2) groundwater collection trenches, referred to as the northern collection trench (NCT) and the southern collection trench (SCT). During the RA the groundwater collection trenches were connected to the existing air stripper that was installed in 1996 as an Interim Remedial Measure, currently referred to as the GTS.

2.4 Property Geology and Hydrogeology

The Property is located on the southern side of the Mohawk Valley, which is a broad, east-west trending lowland, the floor of which consists of a uniform sequence of laminated, calcareous black shale known as the Utica Shale. South of the Property, the land surface rises abruptly off the valley floor, forming a bluff capped by limestone. The Mohawk River is located approximately 3,000 feet north of the Property. In general, regional dip of the bedrock unit is to the southwest. Regional estimates of depth to bedrock range from 21 to 75 feet.

Subsurface soils at the Property were described during installation of monitoring wells, soil borings, test pits, and excavations performed during investigations and remedial actions conducted primarily between 1988 through 1999. The unconsolidated subsurface soils are composed of varying consistencies of sand, silt, and clay. Some of the soils have been reworked to varying depths across the Property by historic facility activity and are classified as fill material. The depth of the unconsolidated natural material across the Property ranges from three feet to 12 feet below grade. A till layer was identified below the unconsolidated material and ranges in thickness from 12 to 24 feet. The till deposits are described as over-consolidated, dark gray silt and clay, that slopes gradually toward the north-northwest.

The regional groundwater flow is northeast, toward the Mohawk River. Two distinct hydrogeologic units, separated by a semi-confining till unit, are present at the Property. The first water-bearing unit is the unconsolidated overburden material (sand, silt, clay). Groundwater is generally encountered in the overburden at the Property at 5 feet below ground surface (bgs). A Weathered shale bedrock unit is the second water-bearing unit, and was reportedly identified between 23 and 30 feet bgs.

2.5 Property Drainage and Outfalls

The Property is generally drained via existing drainage ditches located at the east and west portions of the Property. The west unnamed creek, (former Area 1) (See Figure 2-3), flows from the south through a wooded area and runs along the western extent of the Property, exiting at the northwest corner of the Property. The west unnamed creek drainage contribution primarily consists of roof leaders conveyed via the northern and southwestern stormwater systems emanating from the Main Building and owned by 2200 BSP. Surface water runoff from the western parking lot and surface water runoff from a southern agriculture area also contribute to the west unnamed creek. The southwestern and northwestern stormwater systems where previously monitored from 2200 BSP's stormwater manholes, identified as SPDES Outfall 001 and Outfall 002, respectively. The west unnamed creek floods occasionally in the spring and fall, primarily due to restrictions within an off-site stormwater piping system. A culvert was installed in 2003 by Herkimer County across Bleecker Street, approximately 300 feet off-site to the west. This culvert was installed to limit flooding of Bleecker Street by water backing up the west unnamed creek.

UHC was the Permittee from September 1, 2002 until January 30, 2014 for the SPDES permit associated with four outfalls located on the Property, which was discussed in PRR's prepared prior to 2014. The outfalls are currently the responsibility of the Main Building owner 2200 BSP's LLC. UHC does not own, control or operate the GTS, CPTC maintains responsibility for the GTS and SPDES Permit monitoring requirements for one SPDES Outfall (03A) which is discussed in Section 6.

Two east-west oriented surface water drainage ditches (former Area 4 and Area 6, see Figure 2-3), originate from the mid portion of the Property, south of the 2200 BSP's Main Building, and converge to form one south-north ditch, (Area 14), along the eastern portion of the Property. This east drainage ditch joins a road ditch located parallel to Bleecker Street. Treated effluent from the GTS, which is discussed in Section 6, discharges to the east drainage ditch via CPTC SPDES Outfall 03A. Former SPDES Outfall 03B was permitted and constructed in April 2010 and designed to manually discharge on a quarterly basis to former Area 6 ditch, former SPDES Outfall 03B was closed permanently by UHC on April 2013, redirecting the leachate from the RAF containment cell to the 5,000 gallon storage tank, which is reviewed in Section 3. The east drainage ditch also receives stormwater from roof leaders connected to the southeastern stormwater system and RAF surface drainage, as well as surface water from the eastern parking lots. The former SPDES Outfall 003 was located near the northern end of the eastern drainage ditch; prior to joining a drainage ditch parallel to Bleecker Street, ultimately discharging off site via a culvert under Bleecker Street. UHC has not been notified by NYSDEC or 2200 BSP regarding the status of 2200 BSP's SPDES permit application to obtain coverage from the discharges from 2200 BSP's Main Building.

2.6 Summary of Current Operations

The northern portion of the Property continued to be the most active during 2015; the southern portion of the Property remains wooded and undeveloped. Commercial tenants occupy approximately 85% of 2200 BSP's Main Building and continue to use the surrounding access roads and parking lots. The Property is inspected a minimum of once per month allotting for review of activities around the Main Building and evaluation of the Property condition.

In August 2012 during a routine SPDES inspection Synapse personnel identified several unauthorized excavations at the Property. The unauthorized excavations were conducted by 2200 BSP associated with loading dock construction and other improvements for its tenants. These excavations were not authorized by UHC, nor was UHC made aware of the activities at the time and it is UHC's position that such excavation activities violated the terms of the lease. UHC issued correspondence to 2200 BSP dated September 5, 2012 demanding corrective action relative to the deposited soils.

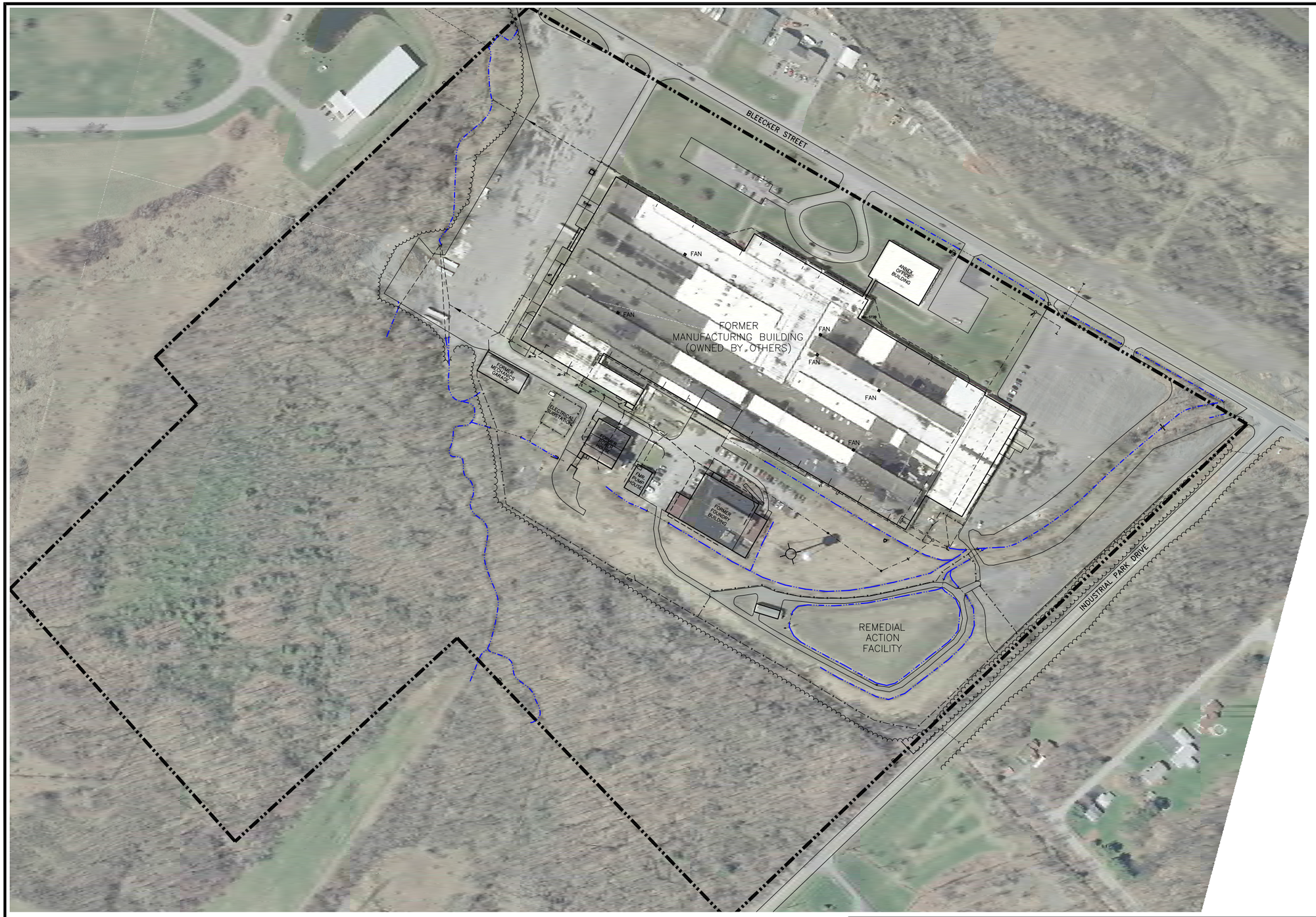
UHC observed a sink hole adjacent to former SPDES Outfall 002 in 2013 and notified 2200 BSP in writing of its obligation to repair the hole pursuant to the lease terms. 2200 BSP responded to UHC's request to repair the sink hole by placing a traffic cones in the area of the sink hole, with this unrepaired condition remaining until the Fall of 2014.

In a letter dated March 6, 2014, NYSDEC directed 2200 BSP to develop and implement a Workplan to characterize the two soil piles located at the southwest and southeast parking lots. 2200 BSP issued a revised Workplan in December 2014 at the request of NYSDEC to address the third soil pile that was generated during the repair of the sink hole for which UHC was not notified.

2200 BSP notified UHC in January 2015 of the sampling and characterization of the three soil piles, but the correspondence did not include analytical results.

NYSDEC issued a letter in October 2015 to both 2200 BSP and UHC requiring the off-site disposal of two of the three soil piles generated by 2200 BSP's unauthorized excavation activities. NYSDEC's letter did not specify the party responsible for soil disposal. UHC undertook the characterization and disposal of the two soil piles at its own expenses, resulting in the disposal of approximately 398 tons of soil at Seneca Meadows landfill in Waterloo, New York in December 2015. Weight tickets and non-hazardous manifests are provided in Appendix A. The third soil pile, located in the southeast parking lot, remains and NYSDEC has requested this pile be spread-out and seeded to prevent erosion.

2.7 Figures



LEGEND

- APPROXIMATE PROPERTY LINE
- CHAIN LINK FENCE
- SURFACE DRAINAGE CULVERT
- SURFACE DRAINAGE DITCH
- TREE LINE
- FAN — VAPOR MITIGATION FAN
- BUILDING STORMWATER DRAIN PIPE
- CONVEYANCE PIPE

NOTES:

1. BASE MAP INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LIMITED FIELD SURVEY PERFORMED BY BLASLAND, BOUCK & LEE, INC. (BBL), DATED 10/97, AS-BUILT SURVEY INFORMATION PERFORMED BY LAFAVE, WHITE & MCGIVERN, L.S., P.C., DATED 5/99, AND ON INFORMATION OBTAINED FROM PREVIOUS SITE PLANS WHICH MAY BE CONCEPTUAL OR ASSUMED.
2. PROPERTY LINE INFORMATION TAKEN FROM HERKIMER COUNTY TAX MAPS AND IS APPROXIMATE.
3. 2013 AERIAL PHOTO FROM NYSGIS WEBSITE.

120' 0 120' 240'
GRAPHIC SCALE: 1" = 240'

X: CP-BASE
P: DL2BC
2/22/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB03.DWG

synapse
connect. advise. insure.

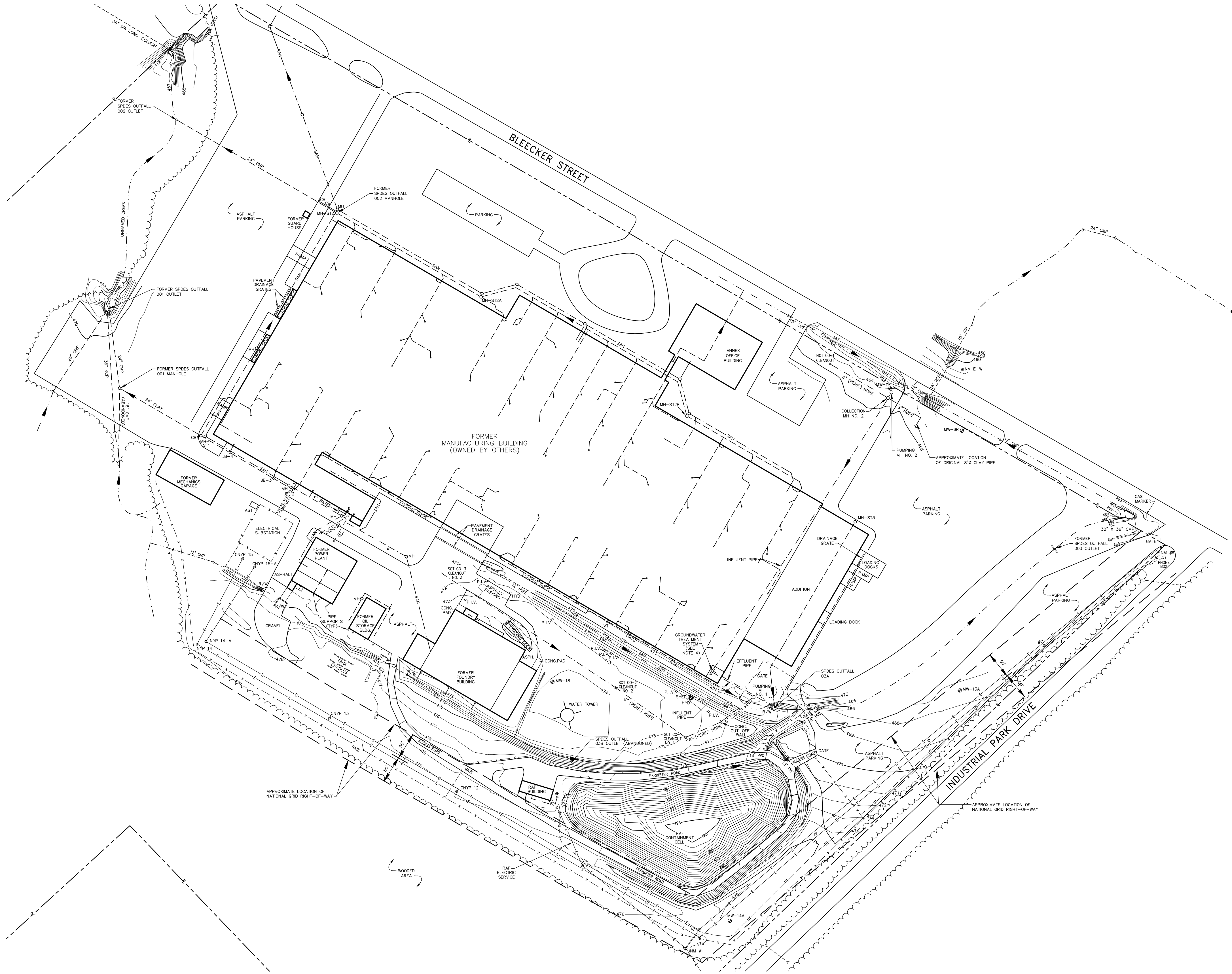
SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

AERIAL PROPERTY MAP

PROJECT NO.: DANA 01-15
DATE: FEBRUARY 2016
FIGURE NO.: 2-1



100' 0 100' 200'

GRAPHIC SCALE: 1" = 200'

LEGEND

470	ELEVATION CONTOUR
MH	MANHOLE
x x x	CHAIN LINK FENCE
Ø CNYP 12	UTILITY POLE
R/W	RETAINING WALL
	SURFACE DRAINAGE CULVERT
	SURFACE DRAINAGE DITCH
	CONVEYANCE PIPE
SAN	SANITARY SEWER PIPE
	BUILDING STORMWATER DRAIN PIPE
	TREE LINE
UT	TELEPHONE (UNDERGROUND)
MW-18	MONITORING WELL
HYD	FIRE HYDRANT
P.I.V.	VALVE
•	DRAIN
E	POWER LINE (ABOVE GROUND)
E	POWER LINE (UNDERGROUND)
RAF	REMEDIAL ACTION FACILITY

NOTES:

1. BASE MAP INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LIMITED FIELD SURVEY PERFORMED BY BLASLAND, BOUCK & LEE, INC. (BBL), DATED 10/97, AS-BUILT SURVEY INFORMATION PERFORMED BY LAFAVE, WHITE & MCGIVERN, L.S., P.C., DATED 5/99, AND ON INFORMATION OBTAINED FROM PREVIOUS SITE PLANS WHICH MAY BE CONCEPTUAL OR ASSUMED.
2. ELEVATIONS SHOWN ARE IN FEET ABOVE SEA LEVEL (DATUM IS NGVD OF 1988).
3. CONTOUR INTERVAL EQUALS 1 FOOT.
4. THE GROUNDWATER TREATMENT SYSTEM CONSISTS OF AN AIR STRIPPER AND TWO PUMPING MANHOLES IMPLEMENTED AS AN INTERIM REMEDIAL MEASURE SYSTEM DESIGNED AND INSTALLED IN 1995. OWNED AND OPERATED BY CHICAGO PNEUMATIC.

X: CP-BASE
P: BL
2/22/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB04.DWG

synapse
connect. advise. insure.
SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

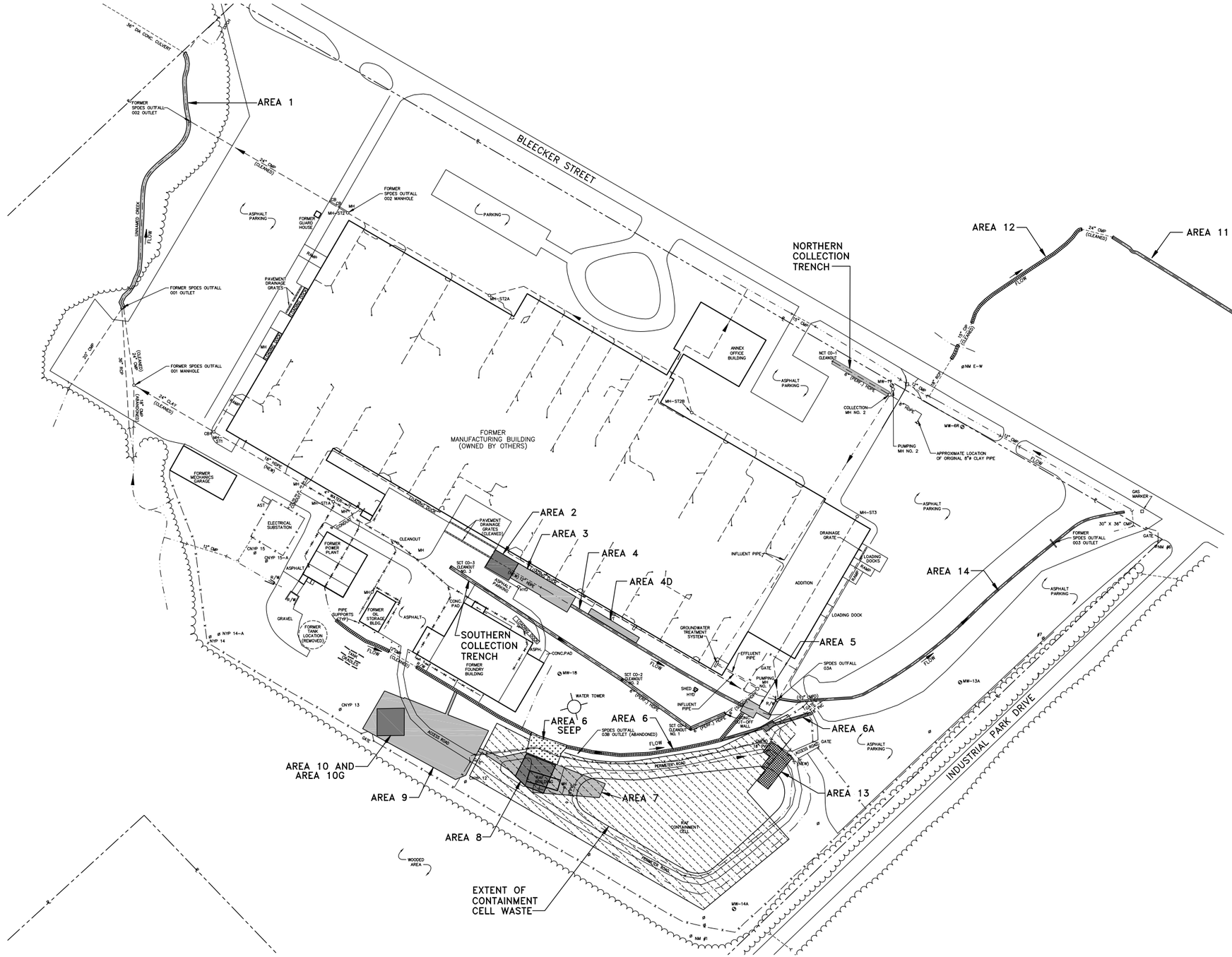
2200 BLEECKER STREET
UTICA, NEW YORK

FACILITY PLAN

PROJECT NO.: DANA 01-15

DATE: FEBRUARY 2016

FIGURE NO.: **2-2**



0 100' 200' 400'

GRAPHIC SCALE: 1" = 200'

LEGEND

- MANHOLE
- CHAIN LINK FENCE
- UTILITY POLE
- RETAINING WALL
- SURFACE DRAINAGE CULVERT
- SURFACE DRAINAGE DITCH
- CONVEYANCE PIPE
- BUILDING STORMWATER DRAIN PIPE
- NEW BUILDING STORMWATER DRAIN PIPE
- ABANDONED UNDERGROUND PIPE
- TREE LINE
- MONITORING WELL
- FIRE HYDRANT
- VALVE
- EXCAVATION AREA REQUIRING OFF-SITE DISPOSAL AS A TSCA-REGULATED MATERIAL PCB CONCENTRATION >50 ppm)
- EXCAVATION AREA REQUIRING PLACEMENT INTO THE SVE PORTION OF THE ON-SITE CONTAINMENT CELL (VOC CONCENTRATION >10 ppm, PCBs <50ppm)
- EXCAVATION AREA REQUIRING PLACEMENT INTO THE ON-SITE CONTAINMENT CELL (VOC CONCENTRATION <10 ppm, PCBs <50ppm)
- EXCAVATED SELECT WASTE (TOPSOIL)
- EXCAVATION AREA REQUIRING OFF-SITE DISPOSAL (VOC CONCENTRATION >10 ppm)
- CULVERT THAT WAS CLEANED
- NEW CULVERT
- DRAIN
- REMEDIAL ACTION FACILITY

NOTES:

1. BASE MAP INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LIMITED FIELD SURVEY PERFORMED BY BLASLAND, BOUCK & LEE, INC. (BBL), DATED 10/97, AS-BUILT SURVEY INFORMATION PERFORMED BY LAFAVE, WHITE & MCGIVERN, L.S., P.C., DATED 5/99, AND ON INFORMATION OBTAINED FROM PREVIOUS SITE PLANS WHICH MAY BE CONCEPTUAL OR ASSUMED.
2. ELEVATIONS SHOWN ARE IN FEET ABOVE SEA LEVEL (DATUM IS NGVD OF 1988).
3. CONTOUR INTERVAL EQUALS 1 FOOT.
4. ALL ORIGINAL DRAINS AND DRAIN PIPE LOCATIONS INSIDE AND OUTSIDE OF THE BUILDINGS WERE DIGITIZED FROM COPIES OF THE 1948 CONSTRUCTION DRAWINGS AND ARE APPROXIMATE.

X: CP-BASE
P: BL
2/22/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB05.DWG

synapse
connect. advise. insure.

SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

HISTORICAL REMEDIAL ACTION AREAS

PROJECT NO.: DANA 01-15

DATE: FEBRUARY 2016

FIGURE NO.: 2-3

3.0 SITE MANAGEMENT – REMEDIAL ACTION FACILITY

The RAF is situated on the eastern portion of the Property, within a fenced area encompassing approximately 3.8 acres, as presented on Figure 3-1 – Remedial Action Facility Plan. The 2015 OM&M activities associated with the RAF were conducted by Synapse in accordance with the guidelines set forth in the NYSDEC-approved OM&M Manual, dated April 2001. Inspection reports (Form A) provide monthly documentation of the site inspection events and any adjustments made to components associated with the RAF. The routine monthly inspections generally include review of components and maintenance activities set forth in the OM&M manual, if required.

The operational components associated with the RAF include fences, roads, drainage ditches, containment cell, leachate collection, and building systems, which constitute the engineering controls. The primary function of the RAF is collection and subsequent disposal of leachate generated from the containment cell.

Four groundwater monitoring wells (with the exception of MW-14, reinstalled and now referenced as monitoring well MW-14A), are located outside of the perimeter fence of the RAF, and are discussed in Section 4. The GTS is located within the southeast corner of the 2200 BSP's Main Building and is discussed in Section 6.

3.1 Construction

The RAF is surrounded by an 8-foot high barbed wire over chain link fence, with access gates to the north and west, with the primary access via the western gate, as can be seen on Figure 3-1. The RAF is generally comprised of the following components:

- *Containment Cell* - In 1999, construction of a 1.4-acre containment cell was completed to store 16,117 cubic yards of impacted soil and sediment generated during the RA. The containment cell was lined with a single composite liner system and completed with a composite cap placed over the impacted soil and sediment. Two gas vents and a leachate collection pipe were also installed within the containment cell. A series of ditches were installed around the containment cell to collect surface water runoff and direct stormwater away from the containment cell. A gravel service road surrounds the perimeter of the containment cell allowing for vehicle access to conduct inspection and maintenance.

- *Leachate Collection System* - A leachate collection system is comprised of a collection pipe that extends the length of the containment cell and is connected to the collection manhole, which is installed adjacent to the western side of the containment cell. The collection manhole is equipped with two pumps to transfer leachate to a storage tank prior to disposal. All components of the leachate collection system are double contained with fail safe monitoring systems. The collection pipe surfaces at the east end of the containment cell provide access for cleaning, as needed. The leachate collection system components are noted on Figure 3-1.

- *Leachate Storage System* – The leachate is pumped from the collection manhole and stored in the 5000 gallon tank. The leachate is managed by batch treatment and discharge to the publicly owned treatment works, following the receipt of analytical analysis and approval by the Oneida County Department of Water Quality and Water Pollution Control (OCDWPC) pursuant to Groundwater Remediation Discharge Permit No. GW-050.

- *RAF Building* - A 1,278-square foot building constructed of a steel frame and siding on a concrete slab foundation is used to house the leachate collection tank (tank area), and truck pad (truck loading area), as noted on Figure 3-2 - Building, Tank, and Piping Plan. Additionally, the building enclosure has an office area for maintaining OM&M records, the communication components, electrical service boxes and a storage area for tools, supplies, and equipment, known as the office/storage area. The building is located west of the containment cell and collection manhole.

3.2 Operations and Inspections

The RAF and associated components are scheduled for monthly visual inspection with documentation as set forth in the OM&M Manual. Operation is also monitored via telecommunication with the RAF auto dialer system that has operated from November 1998 to December 2015. In November 2013 the communication system was upgraded from an Intelligent System for Automatic Control & Communication (ISACC) to a SCADA 3000 unit to monitor the RAF components as well as the SSDS components. Scheduled site visits and subsequent RAF Monthly Inspection Reports – Form A (Appendix B) includes the following inspection components associated with the RAF:

- General Property Access and Drainage;
- Cell Perimeter Components;
- Containment Cell;
- Leachate Collection Manhole;
- Building Structure, Electrical, Telephone, and Auto Dialer Controls; and
- Leachate Storage System.

The cell perimeter road and facility access road were reviewed during the monthly inspections to ensure access for facility maintenance. The immediate surface drain ways were inspected to insure that ponding or erosion does not occur from runoff. Property ditches and culverts were accessed and viewed during the inspection, for the same purpose. The RAF perimeter fence was also inspected, including the two gates, to ensure facility security. The facility overhead utilities, electric and phone, were viewed and tested, from inside the building.

Inspection of the containment cell involved viewing the cell from the perimeter road and traversing its surface. Components viewed were the four perimeter drains, the two passive gas vents, and the cell cleanout pipe. These were checks for functionality, which also included periodic screening of the passive gas vents for VOCs. The surface of the cell was inspected for stressed vegetation, burrows, erosion, and settlement.

Operation of the leachate collection manhole involves structural, electrical, pumping, and alarm components. Each inspection required checking the manhole control panel and recording running hours of the two pumps. Additionally, this included testing the operation of each pump, opening the manhole and conducting visual inspection of its components. From March 2009 to April 2013 the lead/lag pumping system remained in the “Off” position and was only operated to conduct discharges to Outfall 03B. Following the reconnection of the leachate collection/storage system and with the discontinued use of SPDES Outfall 03B, the pump controls were returned to operate in “Auto” mode.

The RAF building was viewed during the inspection for inconsistencies in the structural, security, electrical, and telephone systems, as well as assessing the condition of the heat and vent systems. The SCADA 3000 is located in the RAF building and provides continuous monitoring information of the leachate collection manhole (i.e., High Manhole Level, Manhole Leak and Pipe Leak) and the leachate storage tank (Tank Level, Tank High Level, Tank Leak Tank 90% Full and Tank Low Temperature). This system is generally accessed remotely via modem semi-monthly for data collection and management. In the event of an alarm condition, the auto dialer system alerts designated Synapse personnel based on the guidelines set forth in the OM&M Manual and the auto dialer program logic. The Auto Dialer Alarm Incident and Testing Report, Form F-1, included in Appendix C, provides documentation of alarm conditions received, if any, and testing during the 2015 calendar year. An annual total system check was performed on December 2, 2015, as required, and documented on Form F-1. Two RAF alarms were triggered during the 2015 monitoring period, associated with Channel No. 5, triggered by surface water collecting in the manhole interstitial space; this condition was contributed to the manhole cover leak and a malfunctioning interstitial space probe.

3.3 Maintenance

General maintenance requirements of the RAF are set forth in the OM&M Manual, which provides inspection criteria, forms, guidance, and procedures to perform scheduled maintenance requirements, as well as contingency plans for unscheduled matters. The OM&M procedures and protocols are generally cross-referenced with and supported by the August 2001 FER.

Scheduled Maintenance

The scheduled maintenance activities associated with the RAF and site components that occurred during the 2015 calendar years consisted of the following:

- RAF site access (snow removal, road maintenance, and fence maintenance);
- RAF building (SCADA program diagnostic/communication response);
- Containment cell (vegetation management, mowing, and erosion control); and
- Drainage ditches (vegetation, riprap and culvert management).

Unscheduled Maintenance

Unscheduled maintenance activities associated with the RAF and site components that occurred during the 2015 calendar years consist of the following:

- Replaced the lead pump in the leachate collection manhole;
- Replaced the flow totalizer register and installed a new remote reader for the totalizer;
- Elimination of persistent and damaging vectors from the containment cell;
- Placement and grading of top soil followed by seeding and mulch;
- Spot restoration of vegetative cover on the containment cell;
- Removal of woody vegetation; and
- General cleaning of the building.

3.4 Leachate Collection

The leachate generated from the containment cell is collected, conveyed, and stored on-site. The leachate generated from the containment cell is drained, via gravity flow, to a perforated 6-inch, high-density polyethylene (HDPE) pipe located along the bottom of the containment cell, just above the liner. The leachate collection pipe passes through the western perimeter berm, and discharges into the double walled leachate collection manhole. The portion of the leachate collection pipe between the containment cell and collection manhole is equipped with double-walled piping that provides secondary containment outside the containment cell. As described in Section 3-1 the leachate collection system was restored to operate as designed and set forth in the RD. The automated lead/lag pumping system was also restored as the primary and backup system.

Leachate generation/collection is monitored by two methods; measuring the fill height in the storage tank and through the flow totalizer. The operation of this unit, associated with the leachate collection system, is discussed in the OM&M Manual. The programmed ISACC channels were connected and synced with the SCADA 3000 system in November 2013 in order to continue the tracking of tank filling events and other tank parameters.

The leachate generation rate is tracked by the inline flow totalizer that is read and is recorded during the monthly inspections. Table 3-1 – Cumulative Leachate Generation provides a summary of the recorded flow from May 1999, inception, through December 2, 2015. Chart 3-1 – Cumulative Leachate Generation graphically represents the data from Table 3-1. A total of 2,200 gallons were metered during 2015, which equates to an average flow of approximately 6.3 gallons per day (gpd). This number was estimated due to the totalizer adjustment, noted above. The general overall trend of yearly leachate production is similar to the flow rate observed in recent years, as depicted in Table 3-2 – Leachate Generation Per Year, and Chart 3-2 – Leachate Generation Per Year.

3.5 Leachate Disposal

Leachate is currently stored in an on-site 5,000-gallon aboveground tank with a steel secondary containment sized to contain 110% of the tank volume. The leachate requires laboratory analysis prior to bulk batch disposal to the local sanitary sewer system. Scheduling of the sampling events and subsequent disposal was based on tank level data monitored by the SCADA system. The disposal of the leachate was to the sanitary system under Permit No. GW-050 issued by the OCDWPC. The Oneida County permit remains active and current with the OCDWPC. From March 2009 to April 11, 2013 leachate generated was discharged to SPDES Outfall 03B. The collection manhole leachate level was visually observed during scheduled monthly RAF inspections. During the use of Outfall 03B, as a discharge point, the manhole controls were switched to operate by hand to perform transfers of leachate from the collection manhole to Outfall 03B. During the March 2009 through the April 2013 monitoring period, the liquid level in the collection manhole was monitored utilizing the programmed auto dialer system channels. When the SCADA 3000 system was installed in November 2013, the system was configured to monitor the leachate collection system and leachate generated, which provides telephone notification to Synapse. The SCADA monitors actual level of water in the tank, and provides alarm notification when the tank is 90% full.

Sampling and disposal of the leachate was performed during 2015 in accordance with the guidance set forth in the OM&M Manual. One sample was collected from storage tank during 2015, designated as filling number 17 (LT-17), and analyzed as set forth in Permit No. GW-050 issued by the OCDWPC.

The analytical results of the leachate sample collected, LT-17, indicated compliance with the permit limits set forth by the OCDWPC. On August 12, 2015, leachate for LT-17 was disposed of to the OCDWPC sanitary sewer system and leachate storage tank filling number 18 began. The leachate disposal authorization for LT-17 from OCDWPC and analytical data packages are provided in Appendix D - Leachate Disposal Correspondences and Analytical Data. The total leachate disposal for 2015 was approximately 3,900 gallons.

3.6 Summary

The RAF facility and associated components continue to operate as designed with some monitoring updates during 2015. The monitoring and inspection continues, as necessary, to evaluate trends and the ongoing condition of the RAF. The operation and maintenance performed during the 2015 calendar year were performed within the guidelines set forth in the OM&M Manual. In addition to scheduled maintenance, unscheduled maintenance conditions were recognized and corrected. This included vector control, restoration of vegetative cover, pump replacement, adjusting the flow meter and integration of the SSDS with the RAF OM&M manual.

The evaluation of the data relating to the leachate generated and metered during 2015 (2,200 gallons), indicates a similar flow rate of leachate generated in comparison to earlier years. The average production rate for 2015 was approximately 6.3 gpd. Synapse concludes that the engineering controls associated with the RAF performed as designed during 2015 and are in compliance with Section 4 of the OM&M requiring no modification or change at this time.

3.7 Tables

TABLE 3-1
CUMULATIVE LEACHATE GENERATION

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Reading Date	Monitoring Period	Totalizer Reading	Gallons Per Period	Flow (gpd)
5/19/1999	0	0	0	0
6/1/1999	13	4200	4200	323
6/22/1999	21	8200	4000	190
7/23/1999	31	12200	4000	129
9/27/1999	66	16200	4000	61
12/21/1999	85	20200	4000	47
1/21/2000	31	21400	1200	39
2/4/2000	14	22400	1000	71
3/14/2000	39	23800	1400	36
4/21/2000	38	24800	1000	26
5/11/2000	20	25700	900	45
6/6/2000	26	26700	1000	38
7/11/2000	35	27700	1000	29
8/18/2000	38	28800	1100	29
9/1/2000	14	29500	700	50
10/27/2000	56	31000	1500	27
11/14/2000	18	31600	600	33
12/15/2000	31	32700	1100	35
1/31/2001	47	33800	1100	23
2/28/2001	28	34400	600	21
3/29/2001	29	34800	400	14
4/26/2001	28	35400	600	21
5/23/2001	27	35900	500	19
6/21/2001	29	36500	600	21
7/17/2001	26	37100	600	23
8/15/2001	29	37600	500	17
9/14/2001	30	38400	800	27
10/23/2001	39	39200	800	21
12/3/2001	41	40000	800	20
12/18/2001	15	40400	400	27
1/11/2002	24	40800	400	17
2/6/2002	26	41400	600	23
3/5/2002	27	41800	400	15
4/16/2002	42	42300	500	12
5/9/2002	23	42700	400	17
6/5/2002	27	43100	400	15
7/23/2002	48	43900	800	17
8/9/2002	17	44100	200	12
9/19/2002	41	44900	800	20
10/16/2002	27	45400	500	19
11/27/2002	42	46200	800	19
12/13/2002	16	46400	200	13
1/31/2003	49	47200	800	16
2/18/2003	18	47400	200	11
3/19/2003	29	47800	400	14
4/16/2003	28	48200	400	14
5/15/2003	29	48400	200	7
6/5/2003	21	48600	200	10
7/9/2003	34	49200	600	18
8/1/2003	23	49600	400	17
9/23/2003	53	50400	800	15
10/2/2003	9	50400	0	0
11/21/2003	50	51500	1100	22
12/31/2003	40	52600	1100	28
1/13/2004	13	52600	0	0
2/27/2004	45	54100	1500	33
3/10/2004	12	54100	0	0
4/7/2004	28	54600	500	18
5/18/2004	41	54800	200	5
6/18/2004	31	55200	400	13
7/29/2004	41	55800	600	15
8/26/2004	28	56200	400	14
9/23/2004	28	56500	300	11
10/20/2004	27	56700	200	7
11/30/2004	41	57100	400	10
12/17/2004	17	57300	200	12
1/12/2005	26	57700	400	15
2/10/2005	29	57900	200	7

TABLE 3-1
CUMULATIVE LEACHATE GENERATION

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Reading Date	Monitoring Period	Totalizer Reading	Gallons Per Period	Flow (gpd)
3/7/2005	29	58100	400	14
4/6/2005	30	58300	200	7
6/2/2005	57	58700	400	7
7/27/2005	55	59300	600	11
8/10/2005	14	59500	200	14
9/14/2005	35	60000	500	14
10/11/2005	27	60300	300	11
11/15/2005	35	60600	300	9
12/28/2005	43	60900	300	7
1/25/2006	28	61200	300	11
2/20/2006	26	61400	200	8
3/24/2006	32	61800	400	13
4/12/2006	19	62000	200	11
5/17/2006	35	62200	200	6
6/2/2006	16	62400	200	13
7/11/2006	39	62600	200	5
8/23/2006	43	63200	600	14
9/20/2006	28	63400	200	7
10/5/2006	15	63600	200	13
11/3/2006	29	63800	200	7
12/29/2006	56	64400	600	11
1/26/2007	28	64700	300	11
2/21/2007	26	64900	200	8
3/23/2007	30	65100	200	7
4/18/2007	26	65300	200	8
5/31/2007	43	65700	400	9
6/12/2007	12	65700	0	0
7/26/2007	44	66100	400	9
8/14/2007	19	66300	200	11
9/19/2007	36	66500	200	6
10/30/2007	41	66800	300	7
11/30/2007	31	67200	400	13
12/28/2007	28	67400	200	7
1/14/2008	17	67700	300	18
2/21/2008	38	68000	300	8
3/18/2008	26	68300	300	12
4/18/2008	31	68500	200	6
5/13/2008	25	68700	200	8
6/23/2008	41	69000	300	7
7/23/2008	30	69200	200	7
8/6/2008	14	69400	200	14
9/15/2008	40	69600	200	5
10/1/2008	16	69600	0	0
11/25/2008	55	69900	300	5
12/24/2008	29	70200	300	10
1/20/2009	27	70500	300	11
2/26/2009	37	70800	300	8
3/11/2009	13	71100	300	23
3/27/2009	16	71600	500	31
4/8/2009	12	71600	0	0
5/29/2009	51	71900	300	6
6/11/2009	13	71900	0	0
7/23/2009	42	72500	600	11
8/5/2009	13	72500	0	0
9/4/2009	30	73100	600	14
10/16/2009	42	73100	0	0
11/25/2009	40	73100	0	0
12/24/2009	29	73600	500	5
1/18/2010	25	73600	0	0
2/4/2010	17	73600	0	0
3/19/2010	43	73600	0	0
4/16/2010	28	74300	700	8
5/14/2010	28	74300	0	0
6/11/2010	28	74300	0	0
7/2/2010	21	74300	0	0
8/6/2010	35	75300	1000	12
9/17/2010	42	75300	0	0
10/16/2010	29	75300	0	0

TABLE 3-1
CUMULATIVE LEACHATE GENERATION

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Reading Date	Monitoring Period	Totalizer Reading	Gallons Per Period	Flow (gpd)
11/13/2010	28	75800	500	5
12/22/2010	39	75800	0	0
1/7/2011	16	75800	0	0
2/4/2011	28	75800	0	0
3/18/2011	42	76680	880	10
4/1/2011	14	76680	0	0
5/12/2011	41	76680	0	0
6/24/2011	43	76680	0	0
7/8/2011	14	76680	0	0
8/19/2011	42	77500	820	8
9/26/2011	38	77500	0	0
10/20/2011	24	77500	0	0
11/29/2011	40	78300	800	8
12/21/2011	22	78300	0	0
1/21/2012	31	79100	800	9
2/4/2012	14	79100	0	0
3/19/2012	44	79700	600	7
4/13/2012	25	79700	0	0
5/25/2012	42	79700	0	0
6/22/2012	28	79700	0	0
7/6/2012	14	80300	600	7
8/17/2012	42	80300	0	0
9/26/2012	40	80300	0	0
10/24/2012	28	80900	600	5
11/14/2012	21	80900	0	0
12/22/2012	38	80900	0	0
1/18/2013	27	81500	600	7
2/15/2013	28	81500	0	0
3/26/2013	39	81500	0	0
4/11/2013	16	81900	400	5
5/10/2013	29	82000	100	1
6/20/2013	41	82100	100	1
7/17/2013	27	82300	200	2
8/14/2013	28	82600	300	3
9/24/2013	41	82700	100	1
10/25/2013	31	83200	500	5
11/15/2013	21	83500	300	3
12/6/2013	21	83600	100	1
1/22/2014	47	83700	100	1
2/24/2014	33	83700	0	0
3/18/2014	22	83700	0	0
4/27/2014	40	83700	0	0
5/21/2014	24	83700	0	0
6/4/2014	14	85200	1500	19
7/15/2014	41	85200	0	0
8/25/2014	41	85900	700	7
9/19/2014	25	86200	300	3
10/15/2014	26	86500	300	3
11/14/2014	30	86500	0	0
12/19/2014	35	86500	0	0
1/23/2015	35	86500	0	0
2/20/2015	28	86800	300	3
3/19/2015	27	86800	0	0
4/25/2015	37	87100	300	3
5/29/2015	34	87100	0	0
6/23/2015	25	87400	300	3
7/20/2015	27	87500	100	1
8/12/2015	23	87800	300	4
9/15/2015	34	87800	0	0
10/1/2015	16	88300	500	7
11/22/2015	52	88300	0	0
12/2/2015	10	88700	400	5

NOTES:

1. Monitoring Period = Days between totalizer readings.
2. Totalizer reading in gallons.
3. gpd = Gallons per day.
4. Beginning in 10/1/2015 the totalizer readings were estimated due to unscheduled maintenance.

TABLE 3-2
ANNUAL LEACHATE GENERATION

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Year	Reading Date	Monitoring Period	Totalizer Reading	Gallons Per Year	Flow (gpd)	Flow (gpm)
Begin	5/19/1999		0			
1999	12/21/1999	216	20200	20200	93.5	0.0649
2000	12/15/2000	360	32700	12500	34.7	0.0241
2001	12/18/2001	368	40400	7700	20.9	0.0145
2002	12/13/2002	360	46400	6000	16.7	0.0116
2003	12/31/2003	383	52600	6200	16.2	0.0112
2004	12/17/2004	352	57300	4700	13.4	0.0093
2005	12/28/2005	376	60900	3600	9.6	0.0066
2006	12/29/2006	366	64400	3500	9.6	0.0066
2007	12/29/2007	365	67400	3000	8.2	0.0057
2008	12/24/2008	361	70200	2800	7.8	0.0054
2009	12/20/2009	361	73600	3400	9.4	0.0065
2010	12/22/2010	367	75800	2200	6.0	0.0042
2011	12/21/2011	364	78300	2500	6.9	0.0048
2012	12/22/2012	367	80900	2600	7.1	0.0049
2013	12/6/2013	349	83600	2700	7.7	0.0054
2014	12/19/2014	378	86500	2900	7.7	0.0053
2015	12/5/2015	351	88700	2200	6.3	0.0044

NOTES:

1. Monitoring Period = Days between totalizer readings.
2. Totalizer reading in gallons.
3. gpd = Gallons per day.
4. gpm = Gallons per minute.

3.8 Charts

3-1 Cumulative Leachate Generation

3-2 Leachate Generation per Year

CHART 3-1
LEACHATE PRODUCTION OVER TIME

2015 PERIODIC REVIEW REPORT
2200 BLEEKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

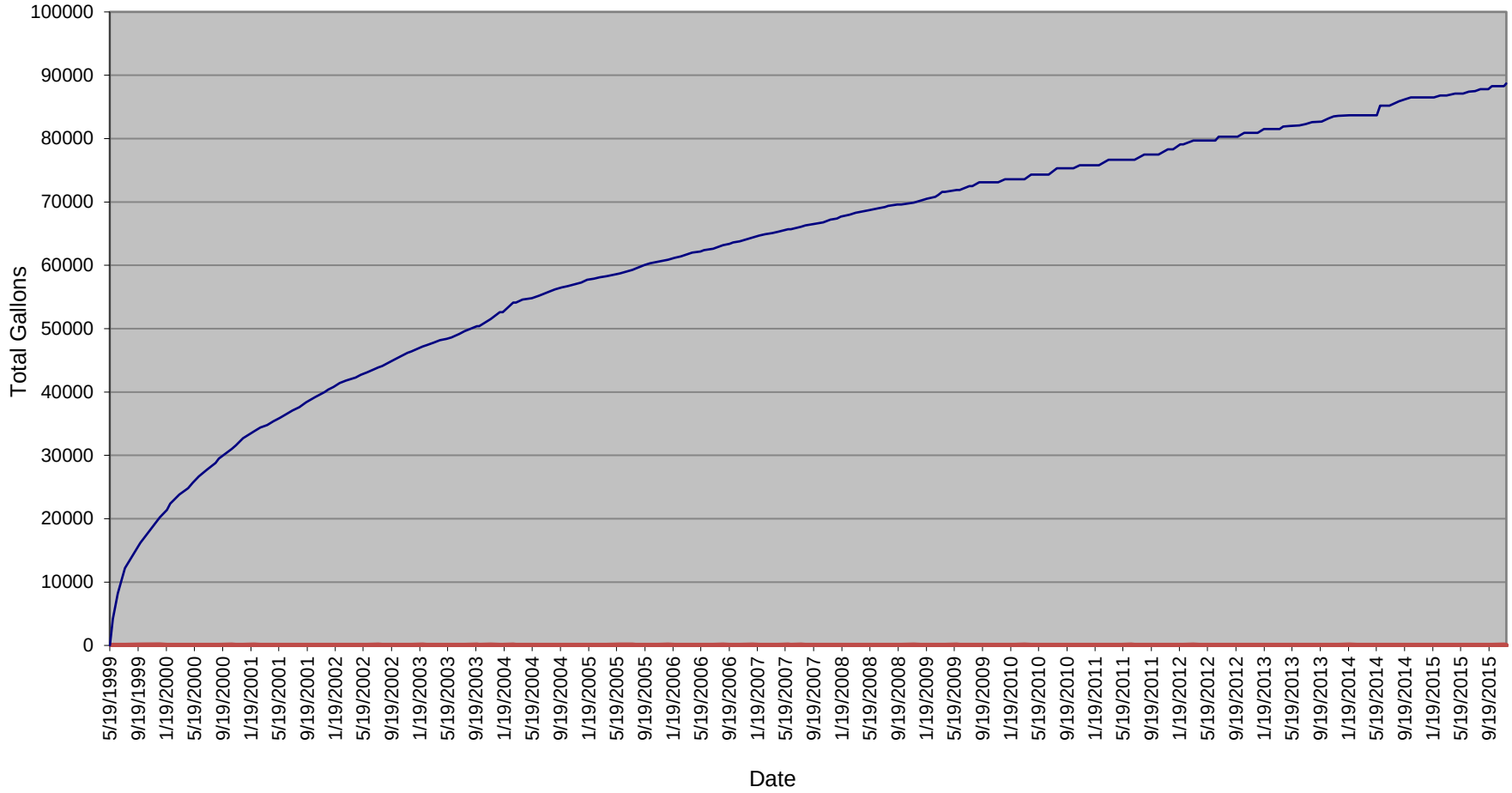
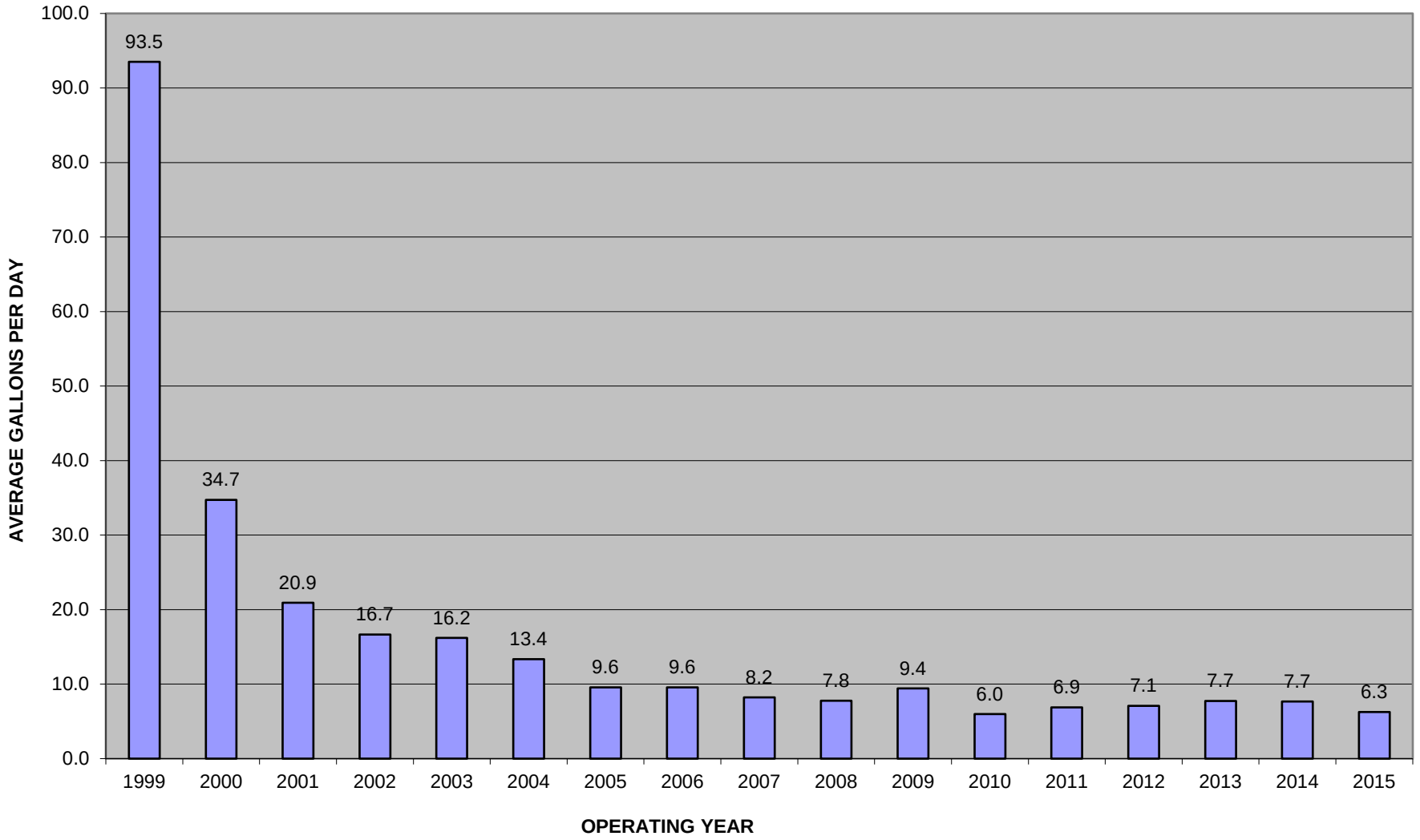
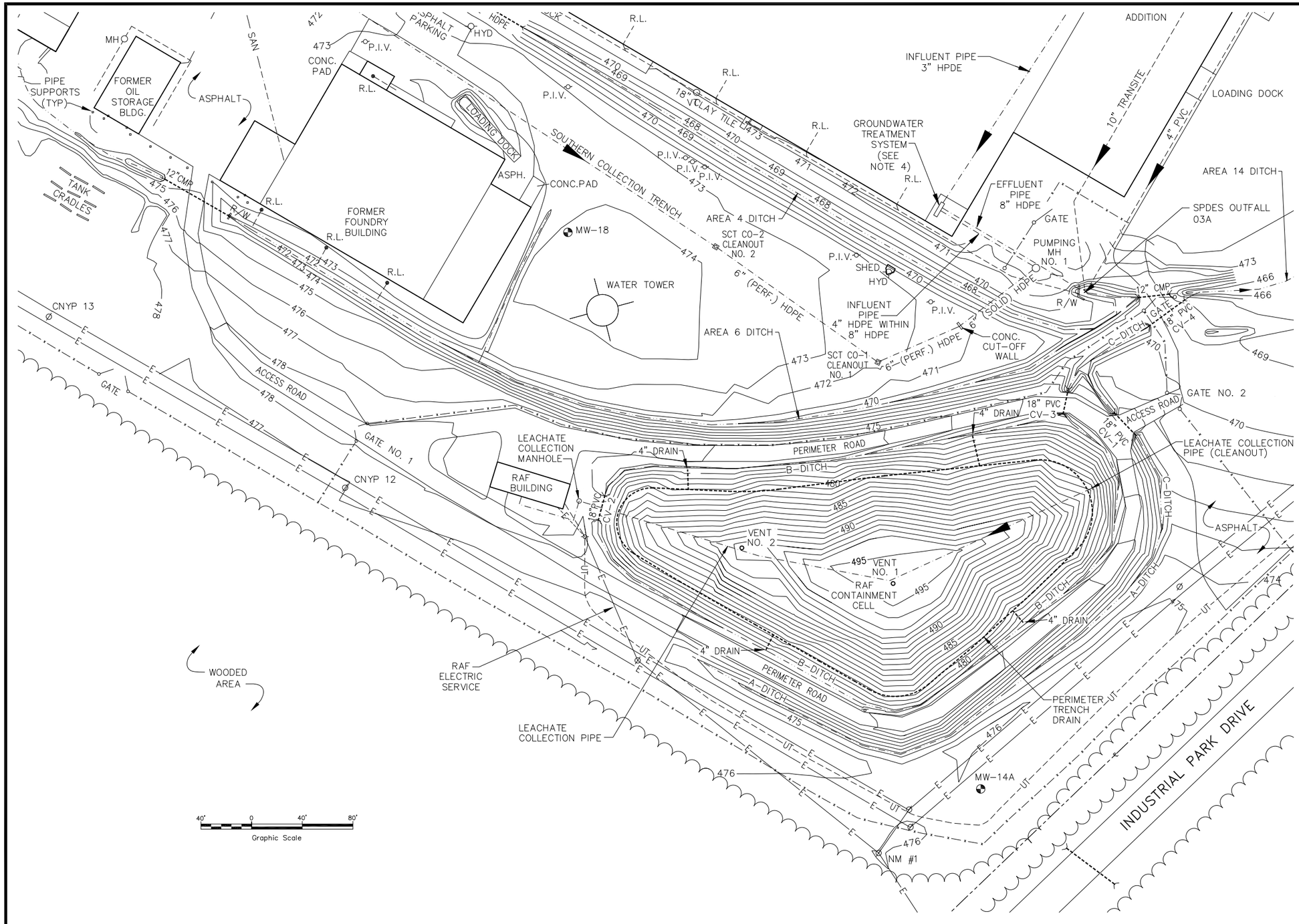


CHART 3-2
LEACHATE GENERATION PER YEAR

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003



3.9 Figures



LEGEND

- APPROXIMATE PROPERTY LINE
- 470 — ELEVATION CONTOUR
- MH — MANHOLE
- CHAIN LINK FENCE
- Ø CNYP 12 — UTILITY POLE
- R/W — RETAINING WALL
- SURFACE DRAINAGE CULVERT
- SURFACE DRAINAGE DITCH
- CONVEYANCE PIPE
- SAN — SANITARY SEWER PIPE
- BUILDING STORMWATER DRAIN PIPE
- TREE LINE
- UT — TELEPHONE (UNDERGROUND)
- MW-18 — MONITORING WELL
- HYD — FIRE HYDRANT
- P.I.V. — VALVE
- R.L. — ROOF LEADER
- E — POWER LINE (ABOVE GROUND)
- E — POWER LINE (UNDERGROUND)

NOTES:

1. BASE MAP INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LIMITED FIELD SURVEY PERFORMED BY BLASLAND, BOUCK & LEE, INC. (BBL), DATED 10/97, AS-BUILT SURVEY INFORMATION PERFORMED BY LAFAVE, WHITE & MCGIVERN, L.S., P.C., DATED 5/99, AND ON INFORMATION OBTAINED FROM PREVIOUS SITE PLANS WHICH MAY BE CONCEPTUAL OR ASSUMED.
2. ELEVATIONS SHOWN ARE IN FEET ABOVE SEA LEVEL (DATUM IS NGVD OF 1988).
3. CONTOUR INTERVAL EQUALS 1 FOOT.
4. THE GROUNDWATER TREATMENT SYSTEM CONSISTS OF AN AIR STRIPPER AND TWO PUMPING MANHOLES IMPLEMENTED AS AN INTERIM REMEDIAL MEASURE SYSTEM DESIGNED AND INSTALLED BY BBL IN 1995. OWNED AND OPERATED BY CHICAGO PNEUMATIC.
5. PROPERTY LINE INFORMATION TAKEN FROM HERKIMER COUNTY TAX MAPS AND IS APPROXIMATE.

X: CP-BASE.DWG
D2BBW
2/22/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB11.DWG

synapse
connect. advise. insure.

SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

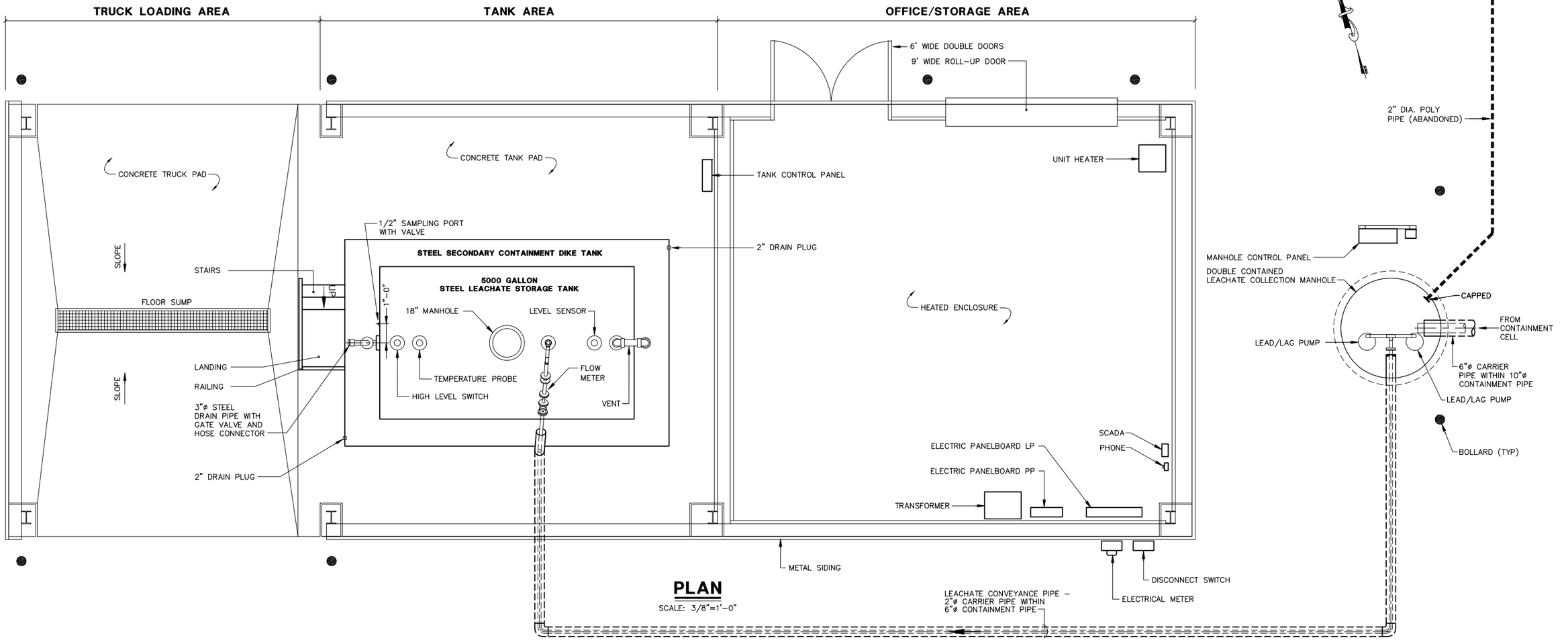
2200 BLEECKER STREET
UTICA, NEW YORK

REMEDIAL ACTION FACILITY PLAN

PROJECT NO.: DANA 01-15

DATE: FEBRUARY 2016

FIGURE NO.: 3-1



PLAN

SCALE: 3/8"=1'-0"

0 4' 10'

GRAPHIC SCALE

X: FOUNDAT.DWG
D2BBW
2/11/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB10.DWG

synapse
connect. advise. insure.
SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

BUILDING, TANK, AND PIPING PLAN

PROJECT NO.: DANA 01-15

DATE: FEBRUARY 2016

FIGURE NO.: 3-2

4.0 SITE MANAGEMENT - GROUNDWATER MONITORING

This section presents the results of the semi-annual groundwater monitoring events conducted at the Property in 2015. The Property OM&M Manual details the procedures that were followed during groundwater monitoring. The FER provides the procedures followed during the implementation of the RA that adjusted the groundwater monitoring program, which included monitoring well decommissioning and new monitoring well installation. The sub-sections that follow review the construction, monitoring, sampling, and data evaluation as part of the groundwater monitoring program and include specific tables and figures. The summary section provides comments, conclusions, and recommendations.

4.1 Monitoring Well Construction

The monitoring well network currently consists of five monitoring wells designated as: MW-6R, MW-13A, MW-14A, MW-17, and MW-18. The monitoring wells are located to provide groundwater quality data for site-specific RA areas and monitor the performance of the GTS, including hydraulic control and contaminant removal.

The monitoring wells consist of 2-inch diameter polyvinyl chloride (PVC) risers and 10-foot lengths of 0.010-inch slotted PVC screen. The well screens were installed to straddle the groundwater table within the overburden soils above the glacial till. Shallow groundwater flow is generally from the south to the north across the Property. The locations of the monitoring wells are shown on Figure 2-2. The detailed descriptions of the monitoring well locations, as well as hydraulic consideration, are as follows:

- MW-6R, located hydraulically downgradient of the eastern portion of the Property;
- MW-13A, located hydraulically crossgradient (east) of former RA Areas 5, 7, 8, 13, and 14 as well as the RAF;
- MW-14A, located at the southeastern corner of the Property hydraulically upgradient of all former RA areas and the RAF;
- MW-17, located hydraulically downgradient of the NCT; and
- MW-18, located hydraulically downgradient of the former RA Areas 6, 7, 8, 9, and 10, as well as hydraulically upgradient of the SCT.

4.2 Groundwater Elevation Measurement

As part of the semi-annual groundwater monitoring program, groundwater level elevations were measured from the aforementioned monitoring wells on April 30, 2015 and, October 29, 2015. Groundwater levels in the cleanouts for the NCT and SCT were also measured during the 2015 sampling events, in order to contour the cone of depression created by the NCT and SCT. Monitoring well groundwater levels were measured from a designated reference point at the top of the PVC well riser using the procedures outlined in the OM&M Manual. The groundwater levels were measured on the same day, prior to low-flow groundwater sampling activities. Groundwater level measurements were recorded in a dedicated field book and later transferred to the Water Level Field Logs – Form D, which are provided in Appendix E. The groundwater level measurements were converted to elevations based on as-built survey information. The groundwater levels for the two groundwater sampling events conducted in 2015 are shown in Table 4-1 – 2015 Groundwater Elevation Summary. Monitoring well MW-17 was found to have insufficient groundwater to allow for sample collection, during both 2015 sampling events. This is attributed to the NCT and Pumping Manhole No. 2, which effectively lowered the water table to an elevation at or less than the total depth of MW-17. The potentiometric surface is depicted in Figure 4-1 – Overburden Groundwater Elevation Contour Map - April 30, 2015 and Figure 4-2

– Overburden Groundwater Elevation Contour Map - October 29, 2015. A summary of groundwater levels from 1999 to 2015 is provided in Table 4-2 – Cumulative Groundwater Elevations.

4.3 Groundwater Sampling

Groundwater samples were obtained during two semi-annual groundwater monitoring events, conducted on April 30, 2015 and October 29, 2015. Groundwater samples were collected from monitoring wells MW-6R, MW-13A, MW-14A, and MW-18. As discussed in Section 4.2, MW-17 had insufficient groundwater during both 2015 sampling events to allow for sample collection.

Based on the guidance set forth in the OM&M Manual, the groundwater sampling events completed in 2015 were scheduled as semi-annual. The groundwater samples were submitted for laboratory analysis for VOCs of concern, polychlorinated biphenyls (PCBs), and select metals. Analytical results for VOCs, PCBs, and metals were compared to standards presented in the NYSDEC Division of Water *Technical and Operation Guidance Series* (1.1.1) (TOGS 1.1.1), June 1998.

Beginning with the April 26, 2011, sampling event of the overburden monitoring wells was sampled via low flow sampling methods. In addition to reducing total dissolved solids (TDS) and turbidity levels, low flow sampling methods provide the following benefits:

- Improved sample quality, analytical accuracy and precision through reduced disturbance to the well and formation;
- Reduced purge water volume (90-95%);
- Improved detection and resolution of contaminants;
- Reduced time for purging and sampling; and
- Significant technical and cost benefits.

Groundwater samples were collected after the field indicator parameters stabilized to within the acceptable tolerances. Groundwater field parameters were obtained from each monitoring well just prior to sampling, and included groundwater levels, pH, conductivity, dissolved oxygen, turbidity, ORP and temperature. Following stabilization, the groundwater samples were collected prior to the inlet of the flow-through-cell. Groundwater samples were discharged directly from the sample tubing into appropriate sample containers, containing the appropriate sample preservative for each analysis, supplied by the analytical laboratory. The purged groundwater was containerized and transferred to the on-site leachate collection manhole, part of the RAF, for discharge as outlined in section 3.0.

Groundwater samples were collected and analyzed for VOCs, PCBs and total metals. Each grab sample was placed directly into laboratory-provided containers, labeled, logged in to a chain of custody document, and stored on ice in an insulated cooler pending delivery to the laboratory for analysis. Quality assurance/quality control (QA/QC) groundwater samples were collected at a frequency described below.

Trip Blanks

On events/days when aqueous samples were delivered to the laboratory for VOC analysis, a trip blank was included. A trip blank is an aliquot of analyte-free water, sealed in a 40 milliliter glass vial with a Teflon-lined septum cap prepared by the laboratory prior to initiation of fieldwork. The sealed vials were prepared by the laboratory and included with each shipment of sample bottles for aqueous media sampling at the Property. The trip blank may determine if contamination of the samples has occurred during shipment/delivery.

Duplicate Samples

Duplicate samples were collected and analyzed to evaluate the reproducibility of the analytical technique used. One duplicate sample (DUP-1) was collected from monitoring well MW-18 for the site specific

parameters during both sampling events during 2015. Groundwater from a selected monitoring well was divided between the primary sample and the duplicate sample laboratory containers, logged on the chain of custody and submitted to the laboratory.

Matrix Spike / Matrix Spike Duplicates

Matrix spike and matrix spike duplicate samples were collected to measure the accuracy of organic analyte recovery from the sample matrices. For organic constituents and metals, one matrix spike and one matrix spike duplicate sample was analyzed for each sampling event.

The April and October 2015 samples were submitted to Alpha Analytical of Westborough, Massachusetts. Table 4-3 – Groundwater Constituents, Methods, and Practical Quantification Limits, details the groundwater sample analytical requirements. The Groundwater Sampling Logs - Form E, used during monitoring well sampling to record the groundwater field parameters, are provided in Appendix F.

4.4 Groundwater Analytical Results

The analytical results from the semi-annual groundwater sampling events, as compared to the TOGS 1.1.1 are presented in the subsequent summary tables. Table 4-4 – 2015 Groundwater Analytical Results, summarizes the groundwater analytical data from the two semi-annual sampling events. Table 4-5 – Cumulative Groundwater Analytical Results, provides a historic summary of the groundwater analytical results from 1999 through 2015. The original laboratory analytical data for 2015 were provided under separate cover to NYSDEC upon receipt from the laboratory, and are provided in Appendix G – Groundwater Analytical Data. Beginning with this 2015 PRR and at the request of NYSDEC, a time trend analysis chart has been prepared for monitoring well MW-18 to monitor the vinyl chloride, as depicted on Chart 4-1 – Cumulative Time Trend Data MW-18. Review of Chart 4-1 demonstrates a seasonal variation of vinyl chloride concentrations between the spring and fall sampling events. The vinyl chloride concentrations are considered stable and demonstrate continued natural attenuation of groundwater in this upgradient location of the property. Note that the SCT provide a hydraulic depression in this area and directs collected groundwater to the GTS.

The following summarizes analytical data from each monitoring well and long term trends for 2015, in comparison to the method detection limit (MDL) and TOGS 1.1.1 guidance values:

MW-6R

- No VOCs were detected at concentrations above their respective MDLs during either of the 2015 sampling events;
- No PCBs were detected at concentrations above their respective MDLs during either of the 2015 sampling events;
- Chromium, copper and lead were detected during the April 2015 sampling event at concentrations of 0.9 ug/l, 5 ug/l and 0.2 ug/l, however these were below TOGS 1.1.1 guidance values of 50 ug/l, 200 ug/l and 25 ug/l, respectively;
- Chromium, copper and zinc were detected during the October 2015 sampling event at estimated concentrations of 7 ug/l, 0.4 ug/l and 6 ug/l, however these were below TOGS 1.1.1 guidance values of 50 ug/l, 200 ug/l and 2000 ug/l, respectively; and
- Historically, VOCs and PCBs have not been detected at concentrations above their respective MDLs.

MW-13A

- No VOCs were detected at concentrations above their respective MDLs during either of the 2015 sampling events;
- No PCBs were detected at concentrations above their respective MDLs during either of the 2015 sampling events;
- Chromium was detected during the April 2015 sampling event at a concentrations of 0.8 ug/l, however it is below TOGS 1.1.1 guidance values of 50 ug/l;
- Chromium, copper and zinc were detected during the October 2015 sampling event at estimated concentrations of 11 ug/l, 0.5 ug/l and 4 ug/l, however these are below TOGS 1.1.1 guidance values of 50 ug/l, 200 ug/l and 2000 ug/l, respectively;
- Historically, VOCs and PCBs have not been detected at concentrations above their respective MDL.

MW-14A

- No VOCs were detected at concentrations above their respective MDLs during either of the 2015 sampling events;
- No PCBs were detected at concentrations above their respective MDLs during either of the 2015 sampling events;
- Chromium, copper and lead were detected during the April 2015 sampling event at estimated concentrations of 1.3 ug/l, 2.4 ug/l and 0.2 ug/l, however these are below TOGS 1.1.1 guidance value of 50 ug/l, 200 ug/l and 25 ug/l, respectively;
- Chromium, copper, lead and zinc were detected during the October 2015 sampling event at estimated concentrations of 3.8 ug/l, 2.3 ug/l, 0.3 and 11 ug/l, however these are below TOGS 1.1.1 guidance value of 50 ug/l, 200 ug/l, 25 ug/l and 2,000 ug/l, respectively; and
- Historically, VOCs and PCBs have not been detected at concentrations above their respective MDL.

MW-17

- Monitoring well MW-17 had insufficient water to allow sample collection during both 2015 sampling events, associated with the hydraulic control provided by the NCT.

MW-18

- Vinyl chloride (VC) was detected at a concentration of 6.8 ug/l in the primary and duplicate samples, respectively, which exceeded the TOGS 1.1.1 guidance value of 2 ug/l, during the April 2015 sampling event. No other VOCs were detected at concentrations above MDLs during April 2015 sampling event;
- VC was detected at a concentration of 2.2 ug/l and 2.2 ug/l, in the primary and duplicate sample, respectively, which exceeded the TOGS 1.1.1 guidance value of 2 ug/l, during the October 2015

sampling event. No other VOCs were detected at concentrations above MDLs during October 2015 sampling event;

- Chromium, and copper were detected during the April 2015 sampling event at estimated concentrations of 0.5 ug/l and 0.3 ug/l, however these are below TOGS 1.1.1 guidance value of 50 ug/l and 2,00 ug/l, respectively; and

- Chromium, copper, lead and zinc were detected during the October 2015 sampling event at estimated concentrations of 5 ug/l, 6 ug/l, 0.1 ug/l and 3 ug/l, however these are below TOGS 1.1.1 guidance value of 50 ug/l, 200 ug/l, 25 ug/l and 2000 ug/l, respectively;

- No PCBs were detected at concentrations above their respective MDLs during either 2015 sampling events; and

- Historically, PCBs have not been detected at concentrations above the MDL.

4.5 Summary

An interpretation of the groundwater elevation measurements obtained during the 2015 sampling events indicated that the overburden groundwater flow was generally to the north. The groundwater flow direction was influenced in the vicinity of the NCT and the SCT, due to the operation of the GTS. Monitoring well MW-17 continues to have insufficient groundwater to measure or sample, as a result of the NCT effectively lowering the groundwater table.

The groundwater quality from both the 2015 groundwater sampling events is generally consistent with historic data. VC has been detected in monitoring well MW-18 above its analytical MDL for consistently during sampling events and continues to demonstrate the degradation of site specific groundwater constituents. As MW-18 is upgradient of the groundwater depression created by the SCT, (see Figure 4-1 and 4-2), the groundwater monitored at MW-18 is directed, collected, and treated via the GTS, discussed in Section 6. . On June 17, 2013, MW-14 was decommissioned and reinstalled as MW-14A.

The April 26, 2011 sampling event represents the first sampling event conducted utilizing low flow sampling methods. Concentrations of certain metals did not exceed TOGS 1.1.1 guidance values and have not demonstrated exceedances since 2002. Detectable concentrations of PCBs were not identified in groundwater from any of the current monitoring locations during the 2015 sampling events.

Based on the successful integration of low-flow sampling into the groundwater monitoring program Synapse concludes that the OM&M Manual groundwater sampling procedures section will be modified to reflect the new sampling method.

4.6 Tables

TABLE 4-1
2015 GROUNDWATER ELEVATION SUMMARY

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA NEW YORK
NYSDEC SITE NO. 622003

Monitoring Well ID	Ground Surface Elevation	Installed Depth from TOR	Measured Depth from TOR	TOR Elevation	Water Depth from TOR	Water Elevation
Date Gauged: 4/30/15						
MW-6R	462.69	10.52	10.51	465.47	4.05	461.42
MW-13A	467.30	11.07	11.05	469.23	2.45	466.78
MW-14A	475.71	12.94	12.93	478.45	3.47	474.98
MW-17	463.89	11.25	11.25	466.02	10.55	Note 5
MW-18	474.10	11.73	11.72	475.96	5.05	470.91
SCT CO-1	NA	NA	NA	472.30	Dry	465.20
SCT CO-2	NA	NA	NA	473.42	7.72	465.70
SCT CO-3	NA	NA	NA	471.21	Dry	465.61
NCT CO-1	NA	NA	NA	464.70	Dry	453.42
MH-2	NA	NA	NA	465.31	11.94	453.37

Monitoring Well ID	Ground Surface Elevation	Installed Depth from TOR	Measured Depth from TOR	TOR Elevation	Water Depth from TOR	Water Elevation
Date Gauged: 10/29/15						
MW-6R	462.69	10.52	10.45	465.47	3.65	461.82
MW-13A	467.30	11.07	11.07	469.23	3.39	465.84
MW-14A	475.71	12.86	12.85	478.45	2.73	475.72
MW-17	463.89	11.25	11.25	466.02	10.90	Note 5
MW-18	474.10	11.73	11.72	475.96	5.43	470.53
SCT CO-1	NA	NA	NA	472.30	Dry	465.20
SCT CO-2	NA	NA	NA	473.42	7.71	465.71
SCT CO-3	NA	NA	NA	471.21	Dry	465.61
NCT CO-1	NA	NA	NA	464.70	Dry	453.42
MH-2	NA	12.80	NA	465.31	11.96	453.35

Notes:

1. All values reported in feet.
2. TOR = Top of Riser.
3. Depth measurements are taken in hundredths of a foot from the TOR, which is a reference point at the highest part on the 2-inch riser pipe.
4. Elevations are referenced to sea level, as set by the National Geodetic Vertical Datum (NGVD) of 1988.
5. MW-17 was found dry during both monitoring events, bottom elevation = 454.70 feet.
6. The top of riser elevation was adjusted during maintenance on May 15, 2003 for monitoring wells MW-6R and MW-14.
7. MW = Monitoring Well.
8. SCT = Southern Collection Trench.
9. NCT = Northern Collection Trench.
10. CO = Clean Out (Depths and Elevations are Approximate).
11. MH = Manhole.
12. NA = Not Applicable.
13. NM = Not measured. Installed well depths used to calculate well casing columns.
14. Groundwater elevations were inferred at the following locations: SCT CO-1, SCT CO-2, SCT CO-3, and NCT CO-1.

TABLE 4-1
2015 GROUNDWATER ELEVATION SUMMARY

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA NEW YORK
NYSDEC SITE NO. 622003

Monitoring Well ID	Ground Surface Elevation	Installed Depth from TOR	Measured Depth from TOR	TOR Elevation	Water Depth from TOR	Water Elevation
Date Gauged: 3/26/13						
MW-6R	462.69	10.52	10.51	465.47	3.86	461.61
MW-13A	467.30	11.07	11.05	469.23	2.75	466.48
MW-14	475.71	12.94	12.93	478.45	5.82	472.63
MW-17	463.89	11.25	11.25	466.02	10.41	Note 5
MW-18	474.10	11.73	11.72	475.96	4.59	471.37
SCT CO-1	NA	NA	NA	472.30	Dry	465.20
SCT CO-2	NA	NA	NA	473.42	7.72	465.70
SCT CO-3	NA	NA	NA	471.21	Dry	465.61
NCT CO-1	NA	NA	NA	464.70	Dry	453.42
MH-2	NA	NA	NA	465.31	11.94	453.37

Monitoring Well ID	Ground Surface Elevation	Installed Depth from TOR	Measured Depth from TOR	TOR Elevation	Water Depth from TOR	Water Elevation
Date Gauged: 10/29/13						
MW-6R	462.69	10.52	10.45	465.47	4.71	460.76
MW-13A	467.30	11.07	11.07	469.23	3.86	465.37
MW-14A	475.71	12.86	12.85	478.37	4.25	474.12
MW-17	463.89	11.25	11.25	466.02	10.24	Note 5
MW-18	474.10	11.73	11.72	475.96	6.19	469.77
SCT CO-1	NA	NA	NA	472.30	Dry	465.20
SCT CO-2	NA	NA	NA	473.42	7.71	465.71
SCT CO-3	NA	NA	NA	471.21	Dry	465.61
NCT CO-1	NA	NA	NA	464.70	Dry	453.42
MH-2	NA	12.80	NA	465.31	11.96	453.35

Notes:

1. All values reported in feet.
2. TOR = Top of Riser.
3. Depth measurements are taken in hundredths of a foot from the TOR, which is a reference point at the highest part on the 2-inch riser pipe.
4. Elevations are referenced to sea level, as set by the National Geodetic Vertical Datum (NGVD) of 1988.
5. MW-17 was found dry during both monitoring events, bottom elevation = 454.70 feet.
6. The top of riser elevation for MW-14A was conducted on June 16, 2013 following installation.
7. MW = Monitoring Well.
8. SCT = Southern Collection Trench.
9. NCT = Northern Collection Trench.
10. CO = Clean Out (Depths and Elevations are Approximate).
11. MH = Manhole.
12. NA = Not Applicable.
13. NM = Not measured. Installed well depths used to calculate well casing columns.
14. Groundwater elevations were inferred at the following locations: SCT CO-1, SCT CO-2, SCT CO-3, and NCT CO-1.

TABLE 4-2
CUMULATIVE GROUNDWATER ELEVATIONS

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

	Well ID					
Sample Date	MW-3	MW-6R	MW-13A	MW-14A	MW-17	MW-18
3/26/1999	467.93	461.78	465.83	474.82	462.14	469.97
9/20/1999	467.60	461.14	464.36	470.78	460.70	467.83
3/14/2000	467.72	461.63	466.38	475.05	459.45	470.03
9/14/2000	467.42	461.15	464.98	473.72	457.37	468.83
3/29/2001	470.86	456.35	460.93	467.74	457.24	469.52
9/13/2001	Note 2	460.85	464.18	470.9	457.11	469.56
3/27/2002	Note 2	460.96	466.89	475.19	DRY	470.82
9/19/2002	Note 2	461.21	465.41	470.92	DRY	468.10
4/24/2003	Note 2	461.55	466.81	475.24	DRY	472.13
10/22/2003	Note 2	460.97	465.23	474.66	DRY	469.61
4/22/2004	Note 2	461.59	466.67	475.34	DRY	471.25
10/18/2004	Note 2	461.03	465.01	472.53	DRY	468.93
4/27/2005	Note 2	461.54	466.51	475.13	DRY	471.06
10/20/2005	Note 2	461.15	465.17	474.47	DRY	469.66
4/19/2006	Note 2	461.4	466.16	474.66	DRY	470.40
9/26/2006	Note 2	461.01	465.07	472.46	DRY	469.15
4/18/2007	Note 2	461.78	467.09	475.46	DRY	471.24
10/23/2007	Note 2	461.71	465.17	471.42	DRY	469.25
4/29/2008	Note 2	461.87	466.82	475.5	DRY	470.84
10/14/2008	Note 2	460.98	464.98	472.94	DRY	469.64
4/13/2009	Note 2	461.44	466.67	474.89	DRY	470.84
10/15/2009	Note 2	461.2	465.58	473.8	DRY	470.14
4/29/2010	Note 2	461.12	466.38	474.2	DRY	470.15
10/28/2010	Note 2	461.44	466.04	475.62	DRY	471.51
4/26/2011	Note 2	461.22	466.01	475.3	DRY	470.27
10/25/2011	Note 2	461.32	466.12	475.28	DRY	470.65
4/30/2012	Note 2	461.42	466.05	475.14	DRY	470.8
10/29/2012	Note 2	461.02	465.15	473.51	DRY	469.9
3/26/2013	Note 2	461.61	466.48	472.63	DRY	471..37
10/29/2013	Note 2	460.76	465.37	474.12	DRY	469.77
4/22/2014	Note 2	461.62	466.71	475.5	DRY	471.38
10/28/2014	Note 2	461.08	464.78	475.34	DRY	470.78
4/30/2015	Note 2	461.42	466.78	474.98	DRY	470.91
10/29/2015	Note 2	461.82	465.84	475.72	DRY	470.53

Notes:

1. All elevations reported in feet above mean sea level.
2. MW-3 was decommissioned in September 2001.

TABLE 4-3
GROUNDWATER CONSTITUENTS, METHODS AND PRACTICAL QUANTIFICATION LIMITS

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Constituent	Practical Quantification Limits (PQLs)
VOCs of Concern - USEPA Method 8260	
cis-1,2-Dichloroethene	1
trans-1,2-Dichloroethene	1
Trichloroethylene	1
Vinyl Chloride	1
Metals of Concern - USEPA Method 200.7	
Chromium	10
Copper	10
Lead	10
Zinc	10
PCBs - USEPA Method 608	
Aroclor 1016	0.05
Aroclor 1221	0.05
Aroclor 1232	0.05
Aroclor 1242	0.05
Aroclor 1248	0.05
Aroclor 1254	0.05
Aroclor 1260	0.05

Notes:

1. All values reported in micrograms per liter (ug/l), approximately equivalent to parts per billion (ppb).
2. VOCs = Volatile Organic Compounds.
3. PCBs = Polychlorinated biphenyls.
4. VOCs of concern PQLs are based on USEPA SW-846 Method 8260 contract required quantification limits (CRQLs). Specific quantifications are highly matrix dependent. The quantification limits shown are provided for guidance and may not always be achievable.
5. USEPA Method 200.7 will be used for analysis of metals of concern. PQLs presented are based on RCRA TCL CRQLs. CQRLs shown for metals of concern are provided for guidance and may not always be achievable.

TABLE 4-4
2015 GROUNDWATER ANALYTICAL RESULTS

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

April 2015 Sampling Event

Well ID	Detection Limit	Standards and Guidance Values	MW-6R	MW-13A	MW-14A	MW-17	MW-18	DUP-043015
Date Sampled			4/30/2015	4/30/2015	4/30/2015	4/30/2015	4/30/2015	4/30/2015
Sample Type			Primary	Primary	Primary	Primary	Primary	Duplicate of MW-18
Volatile Organic Compounds								
cis-1,2-Dichloroethene	1	5	<1	<1	<1	NS	<1	<1
trans-1,2-Dichloroethene	1	5	<1	<1	<1	NS	<1	<1
Trichloroethylene	1	5	<1	<1	0.35 J	NS	<1	<1
Vinyl Chloride	1	2	<1	<1	<1	NS	**6.8**	**6.8**
Metals								
Chromium	10	50	0.9	0.8 J	1.3	NS	0.5 J	0.3 J
Copper	10	200	5	<1	2.4	NS	0.3 J	0.3 J
Lead	10	25	0.2	<1	0.2 J	NS	<1	<1
Zinc	10	2,000	<10	<10	<10	NS	<10	<10
Polychlorinated Biphenyls								
Aroclor 1016	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1221	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1232	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1242	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1248	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1254	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1260	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05

October 2015 Sampling Event

Well ID	Detection Limit	Standards and Guidance Values	MW-6R	MW-13A	MW-14A	MW-17	MW-18	102815-DUP
Date Sampled			10/29/2015	10/29/2015	10/29/2015	10/29/2015	10/29/2015	10/29/2015
Sample Type			Primary	Primary	Primary	Primary	Primary	Duplicate of MW-18
Volatile Organic Compounds								
cis-1,2-Dichloroethene	1	5	<1	<1	<1	NS	<1	<1
trans-1,2-Dichloroethene	1	5	<1	<1	<1	NS	<1	<1
Trichloroethylene	1	5	<1	<1	<1	NS	<1	<1
Vinyl Chloride	1	2	<1	<1	<1	NS	**2.2**	**2.2**
Metals								
Chromium	10	50	7	11	3.8	NS	5	4
Copper	10	200	0.4 J	0.5 J	2.3	NS	6	5
Lead	10	25	<1	<1	0.3 J	NS	0.1	0.1
Zinc	10	2,000	6 J	4 J	11	NS	3 J	3 J
Polychlorinated Biphenyls								
Aroclor 1016	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1221	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1232	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1242	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1248	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1254	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Aroclor 1260	0.05	0.09	<0.05	<0.05	<0.05	NS	<0.05	<0.05

Notes:
1. Sample results and NYSDEC Standards reported in ug/l; approximately equivalent to parts per billion (ppb).
2. Guidance Values are established by NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1).
3. NS = Not Sampled (Well Dry).
4. Bolded values exceed the constituent's established Standards and Guidance Values.

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Monitoring Well ID	Parameters	Units	NYSDEC Guidance	1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015	
				March	September	March	September	March	September	March	September	April	October	April	October	April	October	April	September	April	October	April	October	April	October	April	October	April	October	April	October	April	October	April	October	April	October
				Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
MW-3	cis-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	trans-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	Trichloroethylene	ug/l	5	<5	<5	<5	<5	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	Vinyl Chloride	ug/l	2	<5	<5	<5	<5	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	Chromium	ug/l	50	4.4	4.6B	<10	<10	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	Copper	ug/l	200	16.8	6.1B	<10	<10	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	Lead	ug/l	25	5.5	4	<5	<5	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	Zinc	ug/l	2,000	15.1	16.1B	13	38	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	PCBs (Aroclor 1016)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	PCBs (Aroclor 1221)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	PCBs (Aroclor 1232)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	PCBs (Aroclor 1242)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	PCBs (Aroclor 1248)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	PCBs (Aroclor 1254)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-3	PCBs (Aroclor 1260)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1	NS-1
MW-6R	cis-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-6R	trans-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-6R	Trichloroethylene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-6R	Vinyl Chloride	ug/l	2	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-6R	Chromium	ug/l	50	19.9	2.2B	<10	<10	<10	23	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	16	12	<10	<10	5	<10	2.4 J	<4	0.3 J	0.4 J	0.1	0	0.9 J	0.9	7.0
MW-6R	Copper	ug/l	200	45	6.7B	<10	<10	<10	58	11	<10	34	17	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	36	<10	<10	9.7	<10	3.9 J	<10	0.2 J	0.4 J	0.1	3	0.5 J	5	0.4 J
MW-6R	Lead	ug/l	25	7.4	3.6	<5	<5	<5	23	<10	<10	14	13	<10	<10	<10	<10	<10	<10	13	<10	<10	11	24	<10	<10	5.7	<10	<5	<5	<10	<1	0.3 J	0.8 J	0.2 J	0.2	<1
MW-6R	Zinc	ug/l	2,000	49.5	26.5	26.0	47	19	140	64	29	100	24	<10	19	12	13	37	<10	<10	<10	20	11	80	27	<20	17.9	<20	9.5 J	0.2 J	10.6	15	5 J	15	3.6 J	<10	6 J
MW-6R	PCBs (Aroclor 1016)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-6R	PCBs (Aroclor 1221)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-6R	PCBs (Aroclor 1232)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-6R	PCBs (Aroclor 1242)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-6R	PCBs (Aroclor 1248)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-6R	PCBs (Aroclor 1254)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-6R	PCBs (Aroclor 1260)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-13A	cis-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-13A	trans-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-13A	Trichloroethylene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-13A	Vinyl Chloride	ug/l	2	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-13A	Chromium	ug/l	50	7.8B	4.8E	19.0	<10	<10	<10	<10	**200**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	11	<10	<10	11.8	<10	1.0 J	<4	0.3 J	0.2 J	0.3 J	0.3 J	0.7 J	0.8 J	11.0
MW-13A	Copper	ug/l	200	45	5.3B	<10	<10	<10	<10	14	20	<10	14	<10	<10	14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	9.7	<10	<10	<10	0.3 J	0.5 J	0.3 J	0.7 J	0.5 J	<1	0.5 J
MW-13A	Lead	ug/l	25	9.2	2.3	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	5.7	<10	<5	<5	<10	<1	<10	0.8 J	<5	<1	<1
MW-13A	Zinc	ug/l	2,000	38.1	10.7B	29.0	47	10	<10	18	92	<10	19	29	12	20	<10	14	11	24	<10	19	12	26	<10	<20	20.7	<20	4.0 J	0.2 J	0.2 J	15	8.5 J	13.6	3.6 J	<10	4 J
MW-13A	PCBs (Aroclor 1016)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-13A	PCBs (Aroclor 1221)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-13A	PCBs (Aroclor 1232)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-13A	PCBs (Aroclor 1242)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-13A	PCBs (Aroclor 1248)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-13A	PCBs (Aroclor 1254)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-13A	PCBs (Aroclor 1260)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Monitoring Well ID	Parameters	Units	NYSDEC Guidance	1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015	
				March	September	March	September	March	September	March	September	April	October	April	October	April	October	April	September	April	October	April	October	April	October	April	October	April	October	April	October	April	October	April	October	April	October
				Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
MW-14	cis-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-14	trans-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-14	Trichloroethylene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.48 J	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-14	Vinyl Chloride	ug/l	2	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-14	Chromium	ug/l	50	20.4	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1.8	1.2 J	1.8	<4	0.3 J	1.2 J	14	0.59 J	2	1.3	4
MW-14	Copper	ug/l	200	48	6B	<10	<10	<10	<10	<10	<10	<10	27	12	<10	16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	5.3	4.9 J	5.3	<10	9.8	4.9 J	19	4.2	4	5	2
MW-14	Lead	ug/l	25	8	<5	<5	<5	<5	<10	<10	<10	<10	10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<5	<5	0.7 J	<5	13	1.4	0.8 J	0.2	0.3 J
MW-14	Zinc	ug/l	2,000	36	6.5B	28	42	15	<10	<10	20	29	100	17	<10	15	<10	<10	<10	<10	<10	<10	21	14	16	<10	<20	5.8	9.1 J	5.8	0.2 J	45.9	9.1 J	51	4.5 J	14.4	<10	11
MW-14	PCBs (Aroclor 1016)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-14	PCBs (Aroclor 1221)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-14	PCBs (Aroclor 1232)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-14	PCBs (Aroclor 1242)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-14	PCBs (Aroclor 1248)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-14	PCBs (Aroclor 1254)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-14	PCBs (Aroclor 1260)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-17	cis-1,2-Dichloroethene	ug/l	5	<5	**7**	<5	**5.2**	**8.9**	**7.4**	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	trans-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	Trichloroethylene	ug/l	5	<5	**25**	**22**	**22**	**24**	**16**	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	Vinyl Chloride	ug/l	2	<2	<2	<5	<5	<2	<2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	Chromium	ug/l	50	4	21B	<10	<10	<10	<10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	Copper	ug/l	200	16B	<10	<10	<10	<10	<10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	Lead	ug/l	25	2.4B	<5	<5	<5	<5	<10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	Zinc	ug/l	2,000	14.6B	7.1B	13	57	32	<10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	PCBs (Aroclor 1016)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	PCBs (Aroclor 1221)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	PCBs (Aroclor 1232)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	PCBs (Aroclor 1242)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	PCBs (Aroclor 1248)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	PCBs (Aroclor 1254)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-17	PCBs (Aroclor 1260)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2	NS-2
MW-18	cis-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-18	trans-1,2-Dichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-18	Trichloroethylene	ug/l	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-18	Vinyl Chloride	ug/l	2	<2	<2	<5	<5	<2	<5	<2	**2.6**	**3.9**	**6.1**	**3.5**	**7**	**5.6**	**7.1**	**9.9**	**15**	**7.5**	**17**	**15**	**34**	**15**	**16**	**20**	**3.5**	1.1	**22.0**	**20**	**8**	**9.9**	**21**	**19.0**	**20**	**6.8**	**20**
MW-18	Chromium	ug/l	50	**60.1**	19.4	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	16	<10	<10	1.5	<10	<4	<4	0.2 J	<1	1	<10	0.7 J	0.3 J	5
MW-18	Copper	ug/l	200	109	7.6B	<10	<10	<10	<10	<10	<10	<10	11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	15	<10	<10	8.4	<10	<10	<10	0.5 J	0.7 J	2	0.7 J	0.9 J	0.3 J	6
MW-18	Lead	ug/l	25	**35.6**	9.3	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	14	<10	<10	<10	15	<10	<10	<5	<10	<5	<5	<10	<1	0.3 J	<10	<5	<1	0.1
MW-18	Zinc	ug/l	2,000	172	51	16	58	21	22	<10	<10	11	17	18	<10	13	<10	63	<10	<10	<10	24	26	42	<10	<20	2.4	<20	2.2 J	<10	9.2	16	11	4.5 J	<10	<10	3 J
MW-18	PCBs (Aroclor 1016)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-18	PCBs (Aroclor 1221)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-18	PCBs (Aroclor 1232)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-18	PCBs (Aroclor 1242)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-18	PCBs (Aroclor 1248)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-18	PCBs (Aroclor 1254)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-18	PCBs (Aroclor 1260)	ug/l	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Notes:
1. All results reported in micrograms per liter (ug/l) approximately equivalent to parts per billion (ppb).
2. B = The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
3. C = Value was reported as a laboratory cross-contaminant.
4. E = The reported value is estimated due to the presence of interference(s).
5. NS-1 = No Sample - Well Decommissioned.
6. NS-2 = No Sample - Well Dry.
7. Bolded values exceed the constituent's established TOGS 1.1.1 guidance values.
6. MW-14/MW-14A decommissioned and reinstalled on June 17, 2013.

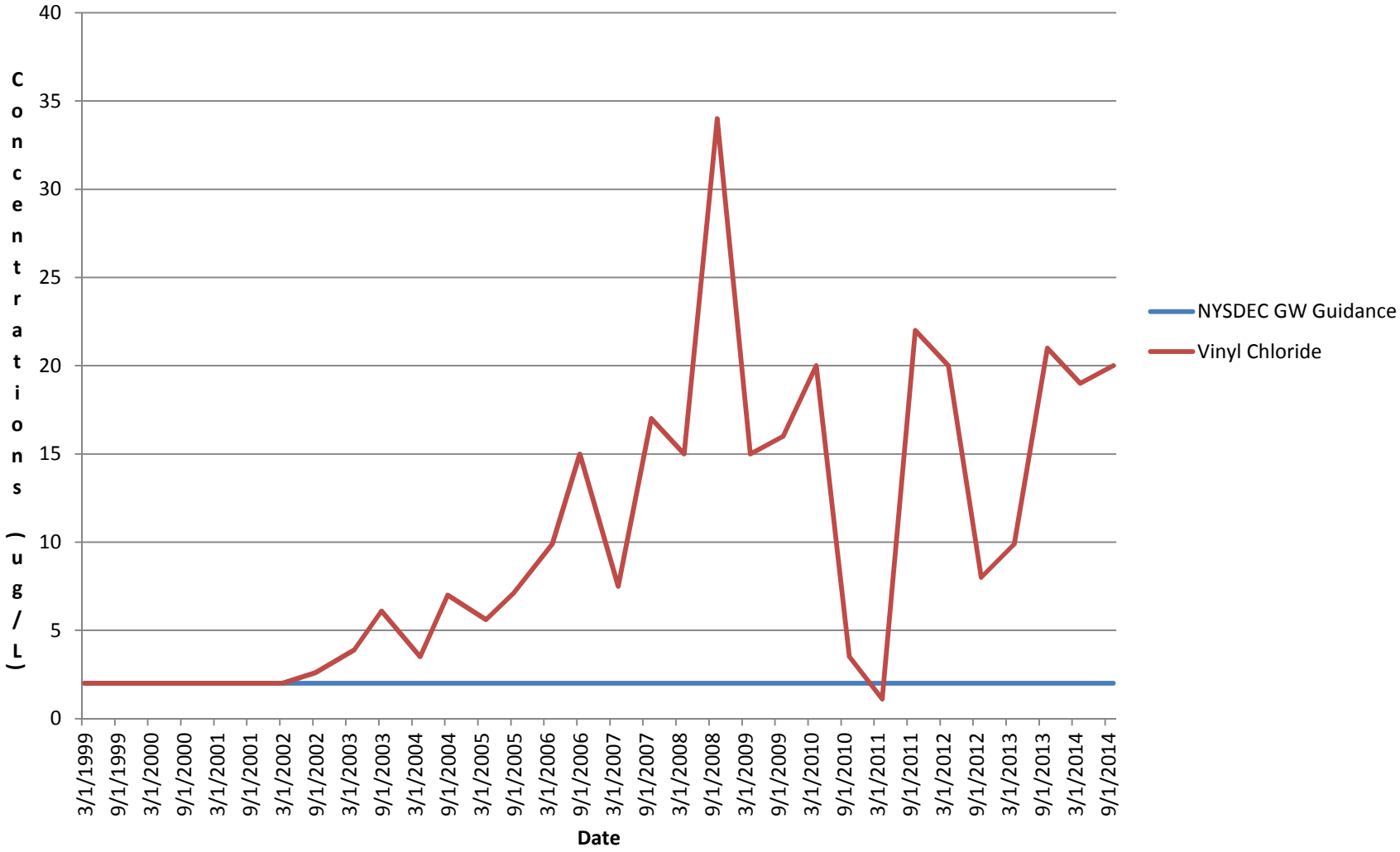
4.7 Charts

4-1 Cumulative Time Trend Data MW-18

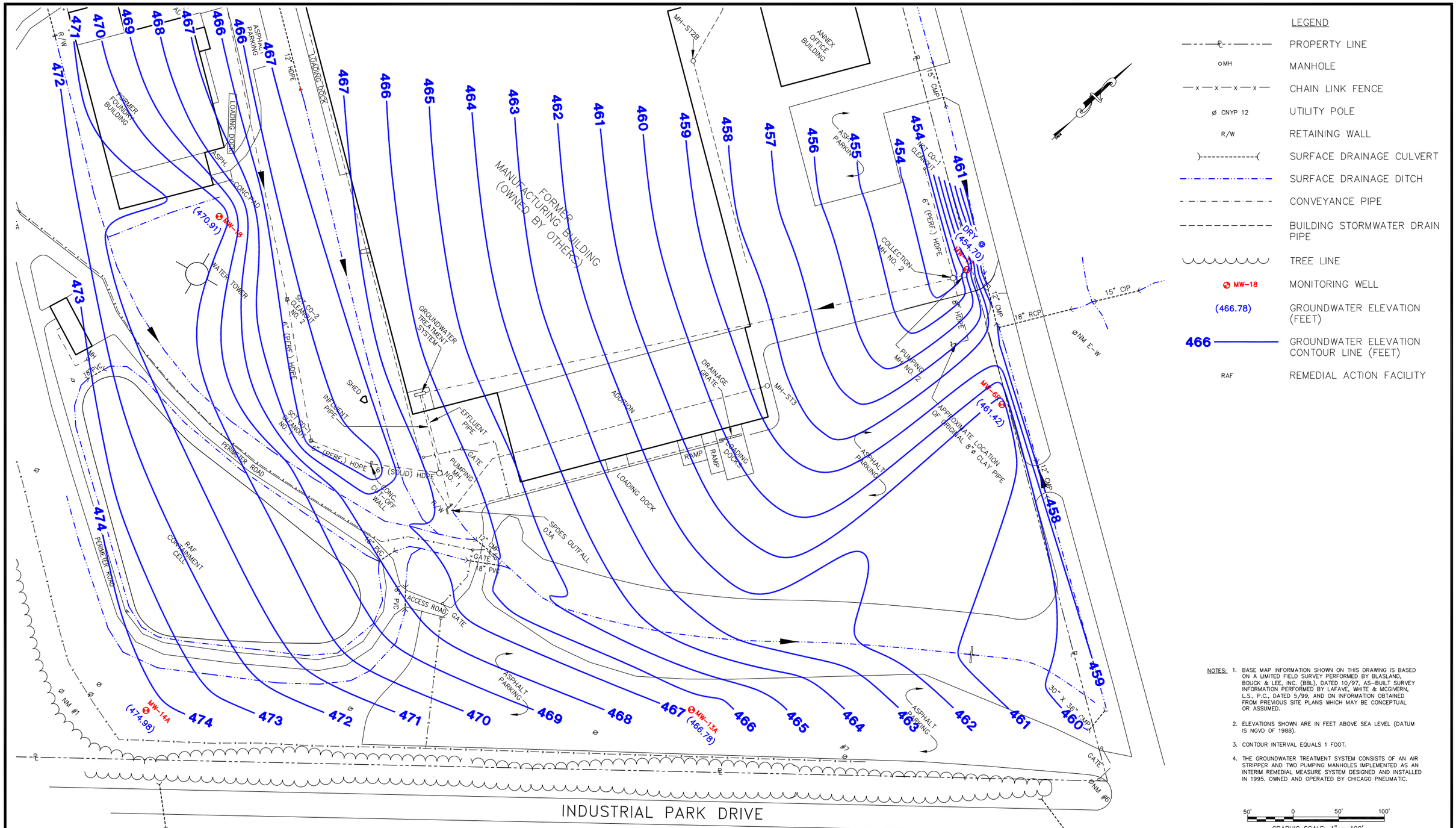
CHART 4-1

MW-18 Cumulative Time Trend Data

2014 Periodic Review Report
2200 Bleecker Street, Utica New York
NYSDEC SITE NO. 622003



4.8 Figures



NOTES:

1. BASE MAP INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LIMITED FIELD SURVEY PERFORMED BY BLASLAND, BOUCK & LEE, INC. (BBL), DATED 10/97, AS-BUILT SURVEY INFORMATION PERFORMED BY LAFAVE, WHITE & MCGIVERN, L.S., P.C., DATED 5/99, AND ON INFORMATION OBTAINED FROM PREVIOUS SITE PLANS WHICH MAY BE CONCEPTUAL OR ASSUMED.
2. ELEVATIONS SHOWN ARE IN FEET ABOVE SEA LEVEL (DATUM IS NGVD OF 1988).
3. CONTOUR INTERVAL EQUALS 1 FOOT.
4. THE GROUNDWATER TREATMENT SYSTEM CONSISTS OF AN AIR STRIPPER AND TWO PUMPING MANHOLES IMPLEMENTED AS AN INTERIM REMEDIAL MEASURE SYSTEM DESIGNED AND INSTALLED IN 1995. OWNED AND OPERATED BY CHICAGO PNEUMATIC.

50' 0 50' 100'

GRAPHIC SCALE: 1" = 100'

X: CP-BASE
P: BL
2/22/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB01.DWG

synapse
connect. advise. insure.

SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

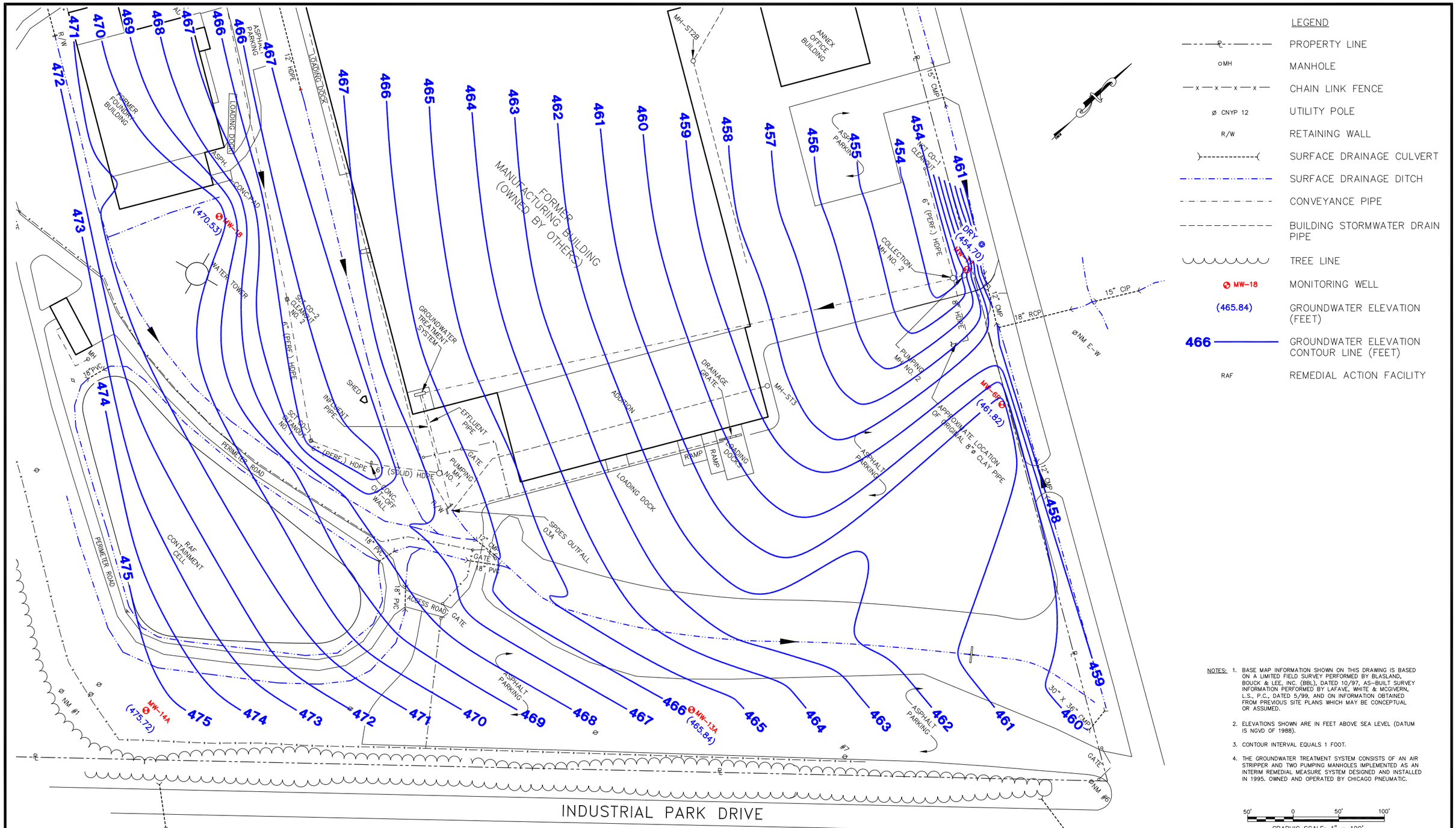
2200 BLEECKER STREET
UTICA, NEW YORK

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP APRIL 30, 2015

PROJECT NO.: DANA 01-15

DATE: FEBRUARY 2016

FIGURE NO.: 4-1



NOTES:
1. BASE MAP INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LIMITED FIELD SURVEY PERFORMED BY BLASLAND, BOUCK & LEE, INC. (BBL), DATED 10/97, AS-BUILT SURVEY INFORMATION PERFORMED BY LAFAVE, WHITE & MCGIVERN, L.S., P.C., DATED 5/99, AND ON INFORMATION OBTAINED FROM PREVIOUS SITE PLANS WHICH MAY BE CONCEPTUAL OR ASSUMED.
2. ELEVATIONS SHOWN ARE IN FEET ABOVE SEA LEVEL (DATUM IS NGVD OF 1988).
3. CONTOUR INTERVAL EQUALS 1 FOOT.
4. THE GROUNDWATER TREATMENT SYSTEM CONSISTS OF AN AIR STRIPPER AND TWO PUMPING MANHOLES IMPLEMENTED AS AN INTERIM REMEDIAL MEASURE SYSTEM DESIGNED AND INSTALLED IN 1995. OWNED AND OPERATED BY CHICAGO PNEUMATIC.

50' 0 50' 100'
GRAPHIC SCALE: 1" = 100'

X: CP-BASE
P: BL
2/22/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB02.DWG

synapse
connect. advise. insure.

SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP OCTOBER 29, 2015

PROJECT NO.: DANA 01-15
DATE: FEBRUARY 2016
FIGURE NO.: 4-2

5.0 SITE MANAGEMENT – SUB-SLAB DEPRESSURIZATION SYSTEM

The SSDS building wide design was based on the findings of the Interim Vapor Mitigation study that was completed in 2012, which identified that 100 feet to 125 feet horizontal spacing would provide converging vacuum fields in the sub-slab media. The building wide SSDS as designed consists of nineteen vacuum sumps (VS-1 through VS-19) connected to six individual roof mounted fans installed in the fall of 2013 and completed in the spring of 2014. The SSDS layout as currently installed is depicted on Figure 5-1 – Building Sub-Slab Zone Boundary and SSDS Location Plan. This is further detailed on Figure 5-2 – Vacuum Sump and Roof Mounting Details.

The SSDS controls consist of 120 volt AC to 24 volt DC vacuum monitoring panels with relays to monitor incoming current. Three (3) 240 volt, phase panel boards are installed adjacent to the existing electrical service in Specialty Environmental Textiles (SE Zone), the vacant tenant space north of DeIorio's (Central Zone) and the Fountain Group, (NW Zone), tenant spaces, with non-fused disconnects on the primary side of the existing transformer. The electrical usage is continuously monitored with an electrical usage meter on each electrical panel. The SSDS six OBAR fans are individually monitored in real time by a Sensaphone SCADA 3000 Remote Terminal Unit (RTU). The SCADA 3000 monitors the SSDS 24 hours per day through receivers mounted on the RAF building that receive continuous wireless signals from the transmitters mounted on each fan. In the event that a fan loses power or vacuum an alarm will be initiated by the SCADA 3000 that notifies the administrator through a telephone call. The SSDS controls and monitoring are depicted on Figure 3 – SSDS Flow and Monitoring One Line Diagram.

The piping network consists of 3-inch diameter schedule 40 polyvinyl chloride (PVC) piping originating at vacuum sumps and terminating at upper monitor window penetrations to the roof as shown on Figure 5-2. These are located near building column lines with the intent for the interior columns to provide a level of protection for the vertical PVC risers.

The vertical and horizontal PVC piping runs, including elbows, fittings consist of approximately 1,600 linear feet of piping. The horizontal pipe runs are installed with a minimum slope returning to the vacuum sumps of 1-inch per 20-feet. The horizontal pipe runs are supported with pipe hangers within two feet of couplings with a maximum hanger spacing of ten feet, in accordance New York State Plumbing Code. Each vacuum sump is sealed with foam backer rod with polyurethane self-leveling caulk. The vacuum sumps floor penetrations were allowed to sufficiently cure according to manufacturer specifications prior to activation of the system. In addition to the remote monitoring of vacuum levels, the SSDS has six magnehelic gauges with 0 to 20 inches of water column (W.C) range installed at eye level to allow for viewing during routine inspections. A ball valve was installed at VS-17 to balance the vacuum to sumps VS-16 through VS-19 and to prevent water encounter at VS-17 from reaching Fan No.1. Based on the uniform consistency of the sub-slab soils encountered during the installation, with the exception of VS-17 no additional valves were required to balance flow rates of the SSDS.

The SSDS was accessed on a daily basis to retrieve data logged and system performance information during the testing phase. The SSDS is viewed and inspected on a bi-monthly basis to confirm performance and to correlate field vacuum readings to SCADA readings the operation and performance of the SSDS.

The Auto Dialer Alarm Incident and Testing Report, Form F-2, included in Appendix B, provides documentation of alarm conditions received, if any, and testing during the 2015 calendar years. An annual total system check was performed on December 2, 2015, as required, and documented on Form F-2. Four SSDS alarms were received during the 2015 monitoring period, associated with following SCADA Channels:

- On June 15, 2015 alarm received from Channel No. 10 and Channel No. 15 associated with Fan No.1 and Fan No. 6, respectively.
- On August 3, 2015 alarm received from Channel No. 10, Channel No. 13 and Channel No. 15 associated with Fan No.1, Fan No. 4 and Fan No. 6, respectively.

- On September 27, 2015 alarm received from Channel No. 10, Channel No. 13 and Channel No. 15 associated with Fan No.1, Fan No. 4 and Fan No. 6, respectively.
- On November 20, 2015 an alarm was received from Channel No. 10 associated with Fan No. 1.

The above referenced alarms, requiring a Property visit to restart the fans are attributed to a power failures or power surges associated with the Main Buildings' electrical system, which the SSDS is powered.

5.1 Indoor Air Sampling and Sub-Slab Soil Vapor Sampling

Indoor air, outdoor air, and sub-slab soil vapor samples were collected concurrently on March 9, 2015 to evaluate the performance of the SSDS and develop a baseline for sub-slab vapor and indoor air. All samples were collected in accordance with the guidance set forth in the Soil Vapor Workplan (Synapse, May 2010) and Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). The 2.7-liter Summa® canisters were cataloged and logged on Table 5-1 – Canister Log that included beginning and ending vacuum readings and other observed conditions during the sampling event.

The indoor air, outdoor air and the sub-slab soil vapor samples were collected using 2.7-liter Summa® canisters with a flow controller calibrated for eight-hour sample duration and certified as clean by the laboratory. The samples collected were packaged and shipped via courier service to Alpha Analytical of Westborough, Massachusetts. The indoor air, outdoor air and the sub-slab soil vapor samples were analyzed in accordance with USEPA Method TO-15.

A total of 10 indoor air samples (IDA-1 through IDA -10) and one (1) outdoor air sample (ODA-1) were collected concurrently with one (1) sub-slab soil vapor sample (SSV-10) and are summarized in Table 5-2 – 2015 Indoor Air and Sub-Slab Analytical Results. Sample locations are presented on Figure 5-4 – Indoor Air Sampling and Sub-Slab Vapor Sampling Results. The indoor air samples were selected to be representative of workers breathing zone. The outdoor air sample location was selected to evaluate the potential for outdoor air to contribute to VOC levels in indoor air. The following summarizes the findings of the analytical results.

- VOCs were not detected in the indoor air samples at concentrations above NYSDOH Air Guideline Values, with one (1) exception.
    - Trichloroethene (TCE) was detected in one (1) of the nine (9) indoor air samples at concentrations that exceed the NYSDEC Air Guideline Value of 5 ug/m^3 as follows:
        - IDA-5 (Specialty Environmental Textiles, SE Zone) at 6.13 ug/m^3.
- VOCs were not detected in outdoor air sample (ODA-1) at concentrations above NYSDOH Air Guideline Values.
- A tabular summary of the indoor air analytical results in comparison to NYSDOH Air Guideline Values are presented in Table 5-2. A complete copy of the laboratory analytical report is provided in Appendix H.

<u>Other Indoor Air Compounds</u>

Other VOCs were detected in the indoor air samples collected from the 2200 Bleecker Street Building as follows:

- Ethyl alcohol was identified in all nine (9) indoor air samples ranging between 157 ug/m^3 at IDA-4 to 6,390 ug/m^3 at IDA-2. The ethyl alcohol indoor air concentrations are below the Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) established for worker protection in general industry for ethanol of 1,900,000 ug/m^3. Ethanol is not a target compound included on NYSDOH Soil Vapor/Indoor Air Matrix 1 and/or Matrix 2 mitigation

guidance levels. The likely source of the ethyl alcohol is from the fermentation of sugars by yeast associated dough products.

- Methylene Chloride was identified in all nine (9) of indoor air samples at concentrations ranging between 2.23 ug/m^3 at IDA-6 to 31.6 ug/m^3 at IDA-2. The methylene chloride indoor air concentrations are below the OSHA PEL of 87,000 ug/m^3 established for worker protection in general industry. Methylene chloride was previously a published compound in the 2006 NYSDOH Vapor Intrusion Guidance Document with a Matrix 1 indoor air guidance value of 60 ug/m^3; however, it was not included in the 2007 supplemental compound list updates.
- Ethyl alcohol represents a separate indoor air source that is unrelated to the sub-slab soil vapor condition identified below the slab.
- Methylene chloride represents a separate indoor air source that is unrelated to the sub-slab soil vapor condition identified below the slab.

5.2 Conclusions

Indoor Air Quality

- VOCs were not detected in the indoor air samples at concentrations above NYSDOH Air Guideline Values, with two exceptions.
    - TCE was detected in one (1) of the ten indoor air samples at concentrations that exceed the NYSDEC Air Guideline Value of 5 ug/m^3 as follows:
        - IDA-5 (Specialty Environmental Textiles, SE Zone) at 6.13 ug/m^3.

VOC concentrations, specifically TCE, have been reduced to levels below NYSDOH Soil Vapor/Indoor Air Matrix 1 mitigation guidance when compared to the 2010 indoor air sampling results with the exception of the one referenced exceedance. The SSDSs' are operating as designed by mitigating intrusion of sub-slab vapor into the 2200 Bleecker Street building and remediating and reducing the concentrations of trapped vapor below the building slab.

Sub-Slab Soil Vapor

VOCs were detected in one (1) sub-slab soil vapor sample (SSV-10) that exceeded the NYSDOH Soil Vapor/Indoor Air Matrix 1 mitigation guidance levels and continued mitigation is warranted. The 2015 TCE vapor concentrations measured at SSV-10 have decreased from 110,000 ug/m^3 measured in June 2010 as compared to 7.63 ug/m^3 in March 2015. This resulting reduction demonstrates that the SSDS is operating as designed by first depressurizing the slab and second by remediating the trapped sub-slab vapor.

5.3 Recommendations

Based on the results and findings herein, it is recommended that the SSDS continue to operate to mitigate the potential for soil vapor intrusion and to remediate the trapped sub-slab soil vapor.

Given the presence of TCE in IDA-5 that exceed NYSDOH Soil Vapor/Indoor Air Matrix 1 mitigation guidance, resampling of indoor air concurrently with sub-slab soil vapor at this location is recommended.

The indoor air should be re-evaluated during the 2015 - 2016 heating season to continue to the document the effectiveness of the SSDS. The SSDS OM&M aspects should be incorporated into the Annual PRR prepared for the Property.

The SSDS should continue to be monitored and optimized based on the review monthly and annual monitoring data to ensure that SSDS is operating as designed and to improve on the performance goals overtime.

Additionally, it is recommended that supplemental sub-slab vapor implants be installed adjacent to damaged sub-slab vapor implants SSV-15, SSV-16 and SSV-17, to evaluate soil vapor concentrations in these previous hot spot areas.

5.3 Tables

TABLE 5-1

Summa Canister Log
Sub-Slab Depressurization System As-Built Report
2200 Bleecker Street
Utica, New York

3/9 3/10 29.43

Sample ID	Location	Canister ID	Regulator ID	Start Time	Stop Time	Sampler	Initial Vacuum (inches of Hg)	Final Vacuum (inches of Hg)	Notes
IDA-1	Delorios	1661	0031	8:25	10:35	RC	~~0.08~~ 29.43	-1.6	
IDA-2	Delorios	1619	0097	8:30	10:37	RC	-29.56	-0.58	
IDA-3	Delorios	652	0032	8:35	10:39	RC	-29.36	-7.44	
IDA-4	HTC	991	0619	8:55	11:08	RC	-30.01	-7.75	
IDA-5	Envi. Composites	643	0262	9:05	11:16	RC	-29.17	-3.75	
IDA-6	Pioneer	787	0438	9:~~00~~ 15	11:02	RC	-29.35	-3.91	
IDA-7	Fountain Group	1533	0310	9:30	11:22	RC	-29.50	-3.85	
IDA-8	Fountain Group	1676	0550	9:40	11:25	RC	-29.03	-4.84	
IDA-9	Vacant	2115	0594	9:55	10:45	RC	-29.77	-12.67	
SSV-10	Vacant	1626	0630	10:00	10:47	RC	-29.41	-7.22	
ODA-1	Next bldg	978	0347	10:10	10:52	RC	-29.47	-5.22	Can fell over in snow

Notes:
NS = not sampled

Temp: 54.5°F @ IDA-3

Outdoor temp: 28.4°F @ ODA-1

Barometric pressure (NOAA) - 30.17 inches

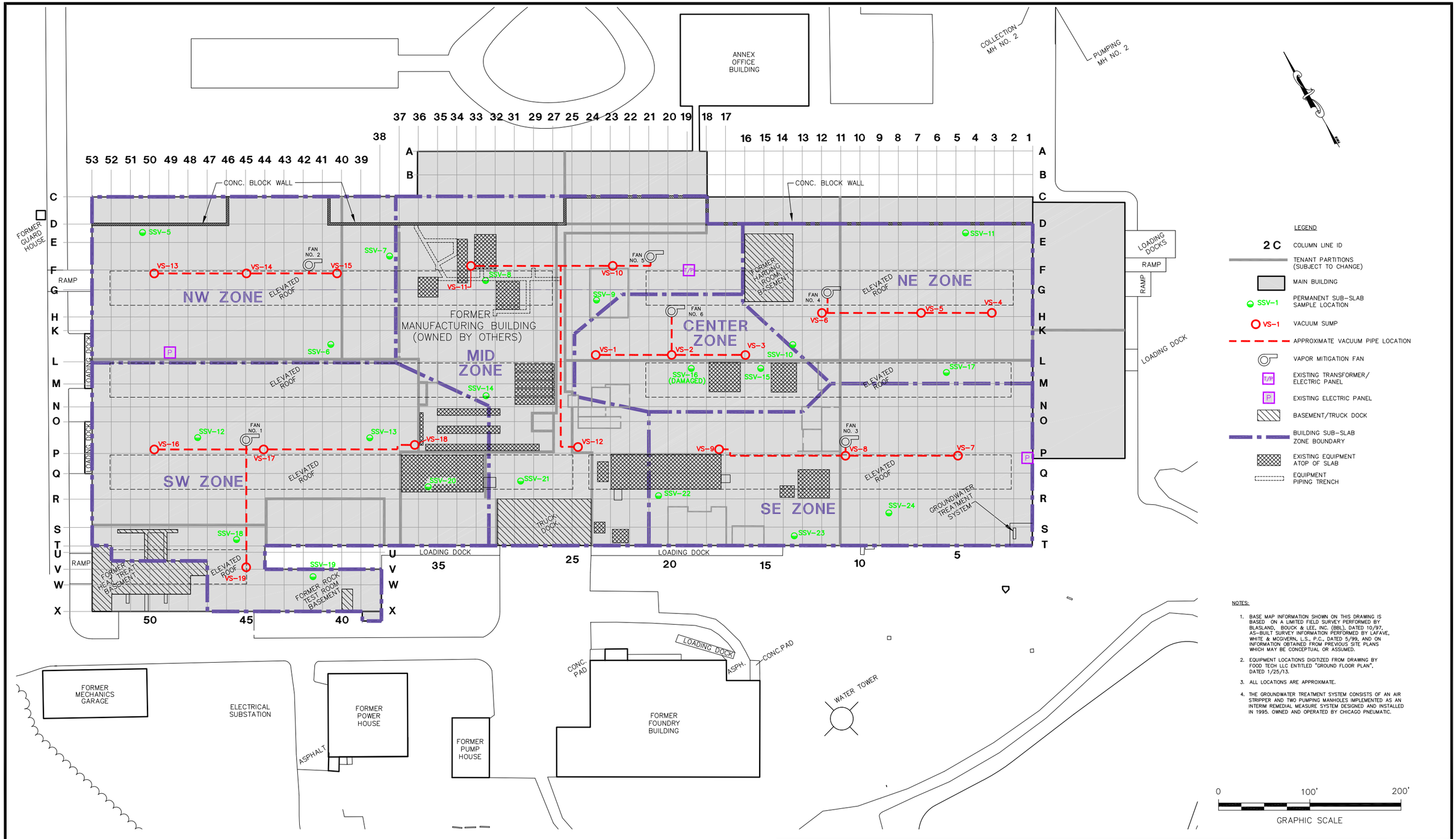
TABLE 5-2
2015 INDOOR AIR & SUB-SLAB ANALYTICAL RESULTS

2015 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample ID	NYSDOH Indoor Air Guidance Values	NYSDOH Soil Vapor/Indoor Air Matrix Mitigation Guidance Values	IDA-1	IDA-2	IDA-3	IDA-4	IDA-5	IDA-6	IDA-7	IDA-8	IDA-9	SSV-10	ODA-1
Sample Date			3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015	3/9/2015
Sample Locatiom			Delorios	Delorios	Delorios	HTC	Environmental Textiles	Pioneer	Fountain Group	Fountain Group	Vacant	Vacant	Outdoor
Units			ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Target Compounds (TO-15)													
Dichlorodifluoromethane	NS	NS	2.59	2.08	2.5	2.35	2.11	2.04	2.14	1.89	2.16	2.77	2.28
Chloromethane	NS	NS	1.33	1.08	1.24	1.2	1.54	1.44	1.34	1.24	0.999	1.04	1.01
1,2-Dichloro-1,1,2,2-tetrafluoroethane	NS	NS	0.349 U	0.349 U	0.349 U	0.349 U	0.349 U	0.349 U	0.349 U	0.349 U	0.349 U	0.874 U	0.349 U
Vinyl chloride	5	5(1)	0.051 U	0.051 U	0.051 U	0.051 U	0.054	0.051 U	0.051 U	0.051 U	0.051 U	0.128 U	0.051 U
1,3-Butadiene	NS	NS	0.657	1.29	0.894	0.303	1.82	0.593	1.18	0.925	0.781	0.73	0.071
Bromomethane	NS	NS	0.078 U	0.078 U	0.078 U	0.116	0.078 U	0.101	0.078 U	0.078 U	0.078 U	0.194 U	0.078 U
Chloroethane	NS	NS	0.142	0.248	0.377	0.053 U	0.053 U	0.124	0.063	0.053 U	0.153	0.139	0.053 U
Ethyl Alcohol	NS	NS	1800 U	6390 E	3920 E	157	317	279	300	177	3620 E	3470 E	5.92
Vinyl bromide	NS	NS	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	2.19 U	0.874 U
Acetone	NS	NS	22.6	19.1	22.6	25.4	68.9	52.5	19.1	17.7	14.2	12.4	6.13
Trichlorofluoromethane	NS	NS	19.4	8.37	6.69	6.29	6.13	2.38	36.7	141	20.2	10.9	1.53
iso-Propyl Alcohol	NS	NS	8.8	13.6	28.5	6.12	6	3.86	11.5	10.2	6.05	4.62	1.23 U
1,1-Dichloroethene	100	100(2)	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.198 U	0.079 U
Methylene chloride	NS	NS	31.6	10.8	18.1	4.1	3.93	2.24	10.5	8.65	6.46	11.3	1.74 U
3-Chloropropene	NS	NS	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	1.57 U	0.626 U
Carbon disulfide	NS	NS	0.626	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	1.53	1.18	0.623 U	1.56 U	0.623 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.514	0.521	0.46	0.537	0.529	0.567	0.544	0.552	0.468	0.958 U	0.598
trans-1,2-Dichloroethene	NS	NS	0.884	0.944	0.726	0.246	6.66	53.9	0.88	0.801	0.658	0.575	0.079 U
1,1-Dichloroethane	NS	NS	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.202 U	0.081 U
Methyl tert butyl ether	NS	NS	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.18 U	0.072 U
2-Butanone	NS	NS	16	19.7	14.2	28.7	5.6	16.3	5.34	5.84	16	13.4	1.47 U
cis-1,2-Dichloroethene	100	100(2)	0.127	0.079 U	0.079 U	0.087	1.52	0.087	0.412	0.408	0.091	0.228	0.079 U
Ethyl Acetate	NS	NS	8	23.2	18.1	12.2	2.05	2.59	2.69	2.1	12.6	10.9	1.8 U
Chloroform	NS	NS	0.552	1.21	1.24	0.171	0.337	7.28	0.225	0.21	0.772	0.684	0.098
Tetrahydrofuran	NS	NS	4.22	1.47 U	1.47 U	1.47 U	1.47 U	11.2	1.47 U	1.47 U	1.47 U	3.69 U	1.47 U
1,2-Dichloroethane	NS	NS	0.097	0.081 U	0.081 U	0.903	0.166	0.081 U	0.202	0.166	0.097	0.202 U	0.081 U
n-Hexane	NS	NS	1.79	1.35	0.955	10.1	9.76	28.2	5.67	5.18	0.966	1.76 U	0.705 U
1,1,1-Trichloroethane	100	NS	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.273 U	0.109 U
Benzene	NS	NS	1.64	1.29	1.21	1.02	2.59	10.6	3.58	2.74	12.6	1.07	0.671
Carbon tetrachloride	5	5(1)	0.409	0.315	0.371	0.447	0.44	0.824	0.459	0.459	0.359	0.393	0.434
Cyclohexane	NS	NS	0.688 U	0.922	0.688 U	0.688 U	1.83	7.37	0.688 U	0.688 U	0.688 U	1.72 U	0.688 U
1,2-Dichloropropane	NS	NS	0.092 U	0.092 U	0.092 U	0.287	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.231 U	0.092 U
Bromodichloromethane	NS	NS	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.335 U	0.134 U
1,4-Dioxane	NS	NS	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.483	0.36 U	0.36 U	0.36 U	0.901 U	0.36 U
Trichloroethene	5	250(1)	1.1	0.333	0.301	0.876	**6.13**	0.29	4.24	2.36	0.505	**7.63**	0.124
2,2,4-Trimethylpentane	NS	NS	0.934 U	0.934 U	0.934 U	0.934 U	2.72	16.3	0.934 U	0.934 U	0.934 U	2.34 U	0.934 U
Heptane	NS	NS	1.35	1.7	1.26	0.82 U	2.55	12.5	4.22	3.77	0.824	2.05 U	0.82 U
cis-1,3-Dichloropropene	NS	NS	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.227 U	0.091 U
4-Methyl-2-pentanone	NS	NS	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	5.12 U	2.05 U
trans-1,3-Dichloropropene	NS	NS	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.227 U	0.091 U
1,1,2-Trichloroethane	NS	NS	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.273 U	0.109 U
Toluene	NS	NS	5.31	5.58	3.41	153	20.6	53.1	9.27	10.7	7.46	11.9	1.28
2-Hexanone	NS	NS	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	2.05 U	0.82 U
Dibromochloromethane	NS	NS	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.426 U	0.17 U
1,2-Dibromoethane	NS	NS	0.154 U	0.154 U	0.154 U	0.154 U	0.154 U	0.154 U	0.154 U	0.154 U	0.154 U	0.384 U	0.154 U
Tetrachloroethene	NS	NS	5.61	1.21	1.04	0.536	8.14	0.136 U	2.91	2.48	0.861	1.02	0.136 U
Chlorobenzene	NS	NS	0.092 U	0.092 U	0.092 U	0.161	0.092 U	0.092 U	0.092 U	0.092 U	0.092 U	0.23 U	0.092 U
Ethylbenzene	NS	NS	1.03	1.05	0.808	15.6	2.75	13	2.24	3.77	1.07	1.31	0.182
p/m-Xylene	NS	NS	2.91	3.37	2.53	48.6	9.3	50.8	4.65	7.25	3.34	3.34	0.547
Bromoform	NS	NS	0.207 U	0.207 U	0.207 U	0.207 U	0.207 U	0.207 U	0.207 U	0.207 U	0.207 U	0.517 U	0.207 U
Styrene	NS	NS	0.634	0.46	0.404	0.634	1.21	0.468	0.609	0.49	0.277	0.234	0.085 U
1,1,2,2-Tetrachloroethane	NS	NS	0.137 U	0.137 U	0.137 U	0.137 U	0.137 U	0.137 U	0.137 U	0.137 U	0.137 U	0.343 U	0.137 U
o-Xylene	NS	NS	1.1	1.09	0.786	9.82	2.89	19.8	2.21	3.3	0.873	0.912	0.217
4-Ethyltoluene	NS	NS	0.295	0.334	0.162	0.3	0.462	6.05	0.669	1.31	0.162	0.246	0.098 U
1,3,5-Trimethylbenzene	NS	NS	0.29	0.359	0.177	0.305	0.61	7.03	0.644	0.533	0.152	0.246	0.098 U
1,2,4-Trimethylbenzene	NS	NS	0.978	1.19	0.575	0.831	1.73	26.8	2.25	3.91	0.393	0.246	0.197
Benzyl chloride	NS	NS	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04	1.04 U	1.04 U	2.59 U	1.04 U
1,3-Dichlorobenzene	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.301 U	0.12 U
1,4-Dichlorobenzene	NS	NS	0.12 U	0.385	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.301 U	0.12 U
1,2-Dichlorobenzene	NS	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.301 U	0.12 U
1,2,4-Trichlorobenzene	NS	NS	0.371 U	0.371 U	0.371 U	0.371 U	0.371 U	0.371 U	0.371 U	0.371 U	0.371 U	0.928 U	0.371 U
Hexachlorobutadiene	NS	NS	0.533 U	0.533 U	0.533 U	0.533 U	0.533 U	0.533 U	0.533 U	0.533 U	0.533 U	1.33 U	0.533 U

Notes:
1. Denotes Soil Vapor/Indoor Air Matrix 1.
2. Denotes Soil Vapor/Indoor Air Matrix 2.
NYSDOH Referenced Sub-Slab Guidance Herein Represents the Minimum Sub-Slab Vapor Concentrations Requiring Mitigation, Regardless of Indoor Air Concentrations.
Bold = Exceeds Matrix 1 or Matrix 2 NYSDOH Soil Vapor/Indoor Air Guidance Values for Mitigation.
NS = No Standard or Guidance Value
U = Analyte was analyzed for but not detected above the reporting limit.
E = Reported value is estimated due to the presence of interference.
ug/m3 = micrograms per cubic meter

5.4 Figures



X: 0069_CP-BASE3, CP-BASE-ROOF
P: CPD2BC
2/11/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB18.DWG

synapse
connect. advise. insure.

SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

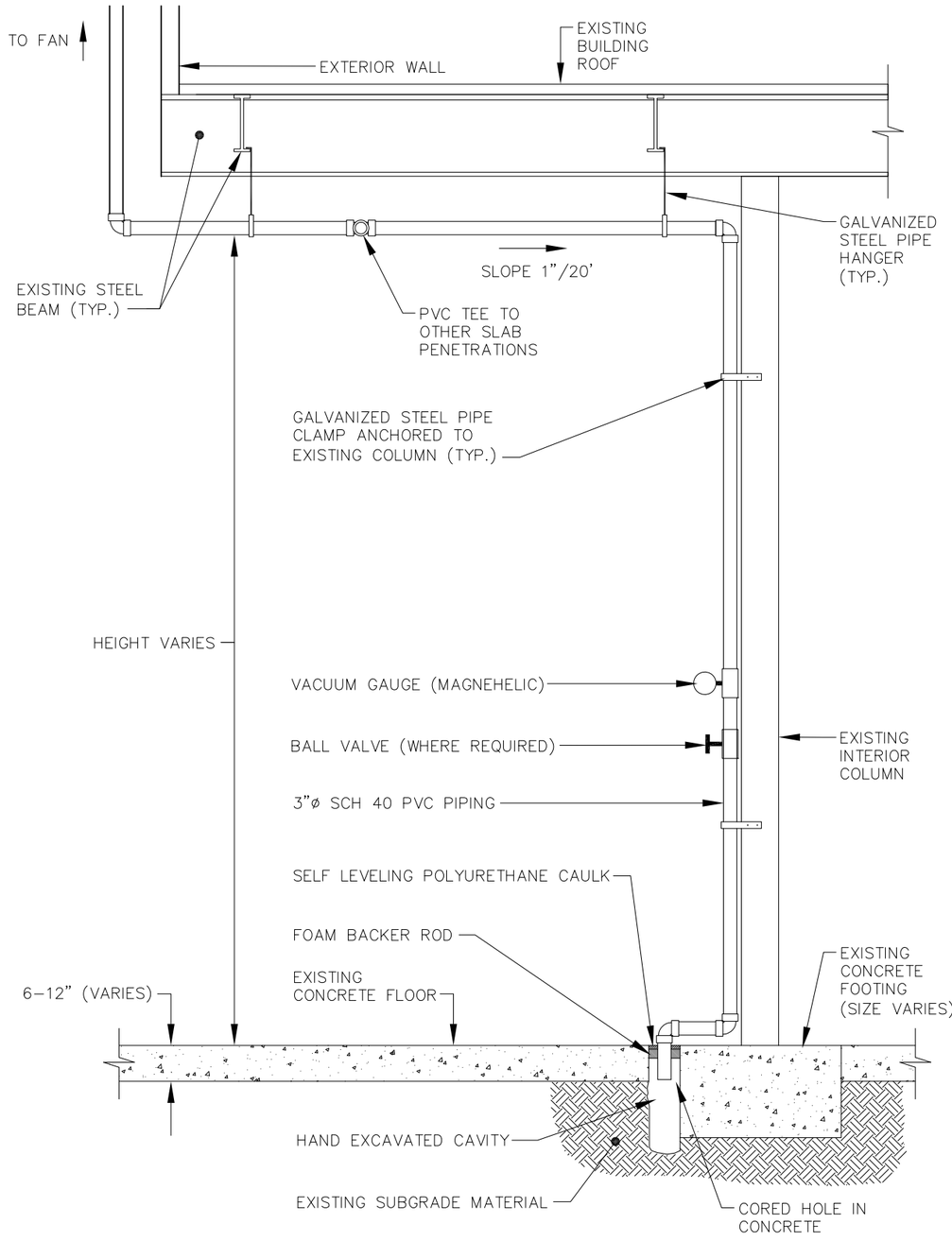
2200 BLEECKER STREET
UTICA, NEW YORK

BUILDING SUB-SLAB ZONE BOUNDARY & SSDS LOCATION PLAN

PROJECT NO.: DANA 01-15

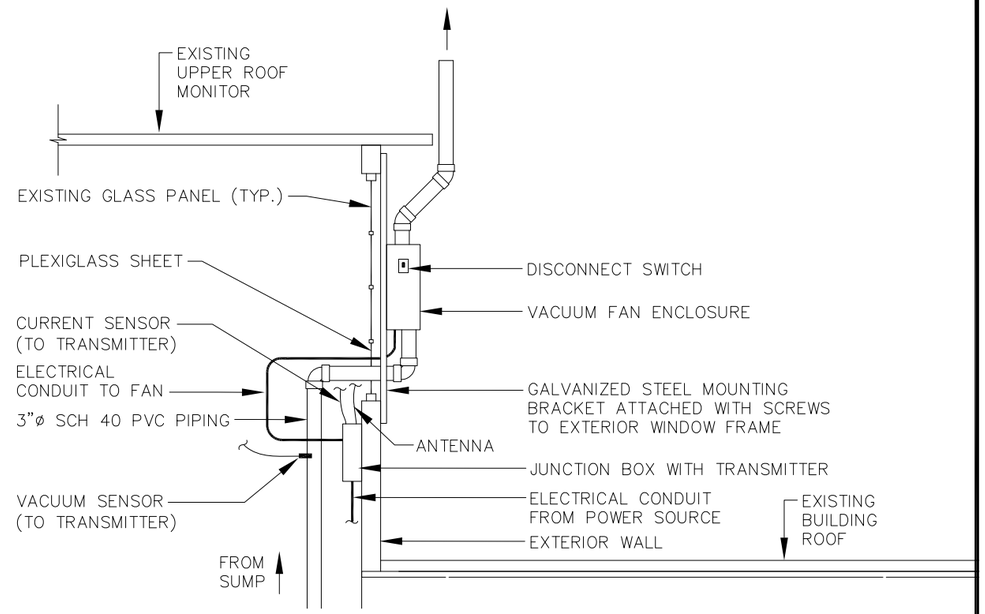
DATE: FEBRUARY 2016

FIGURE NO.: 5-1



TYPICAL SUB-SLAB VACUUM SUMP DETAIL

NOT TO SCALE



TYPICAL ROOF MOUNTING DETAIL

NOT TO SCALE

X: 0069_CP-BASE3, CP-BASE-ROOF
P: CPD2BC
2/11/16
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB20.DWG (DETAILS)

synapse
connect. advise. insure.

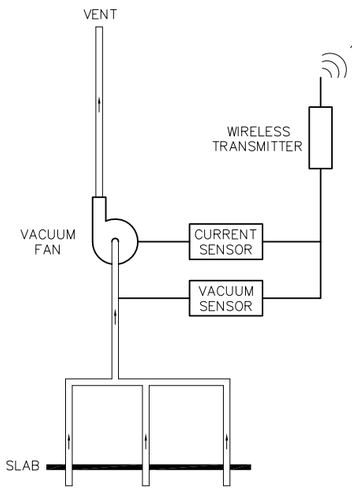
SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

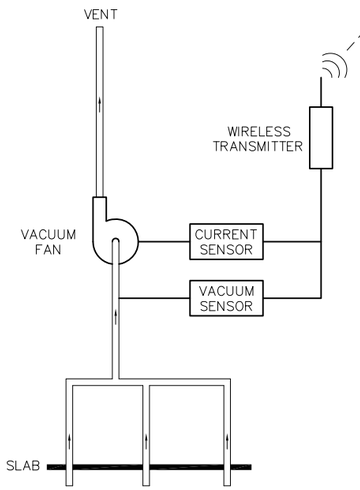
2200 BLEECKER STREET
UTICA, NEW YORK

VACUUM SUMP AND ROOF MOUNTING DETAILS

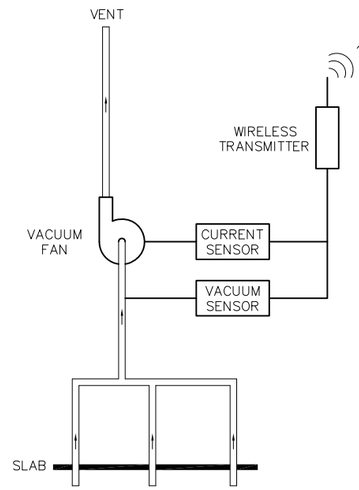
PROJECT NO.: DANA 01-15
DATE: FEBRUARY 2016
FIGURE NO.: 5-2



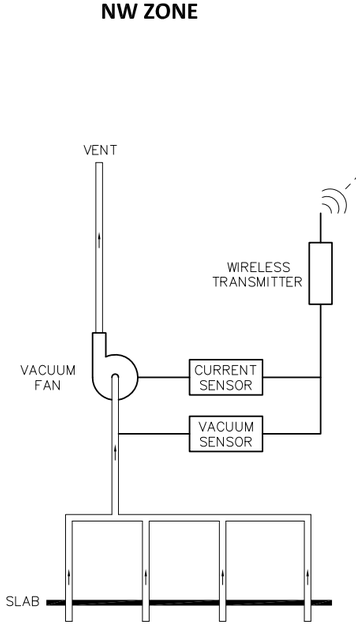
FAN #2
NW ZONE



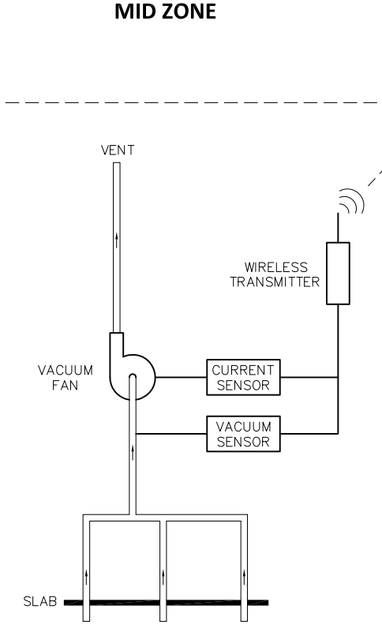
FAN #5
MID ZONE



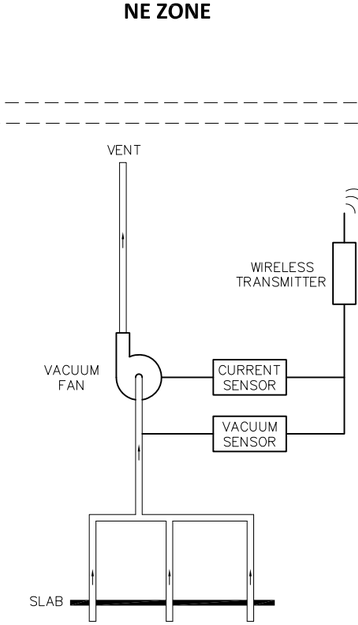
FAN #4
NE ZONE



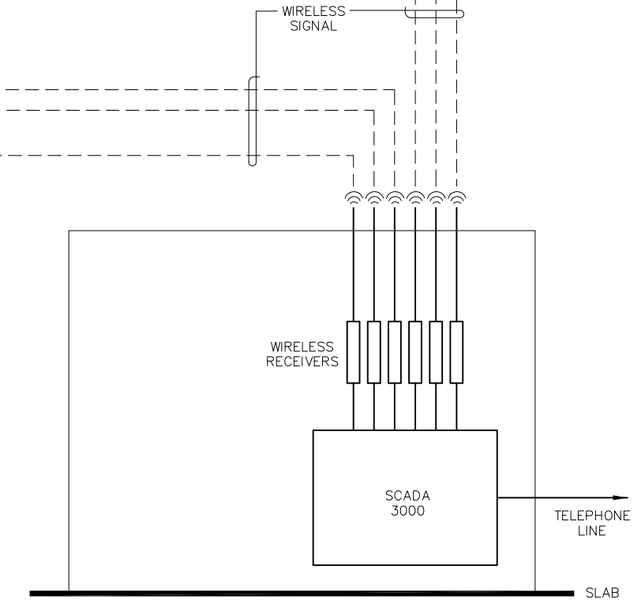
FAN #1
SW ZONE



FAN #6
CENTER ZONE



FAN #3
SE ZONE



RAF BUILDING

NOT TO SCALE

X: 0069_CP-BASE3, CP-BASE-ROOF
P: CPD2BC
2/22/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB19.DWG (ONE LINE)

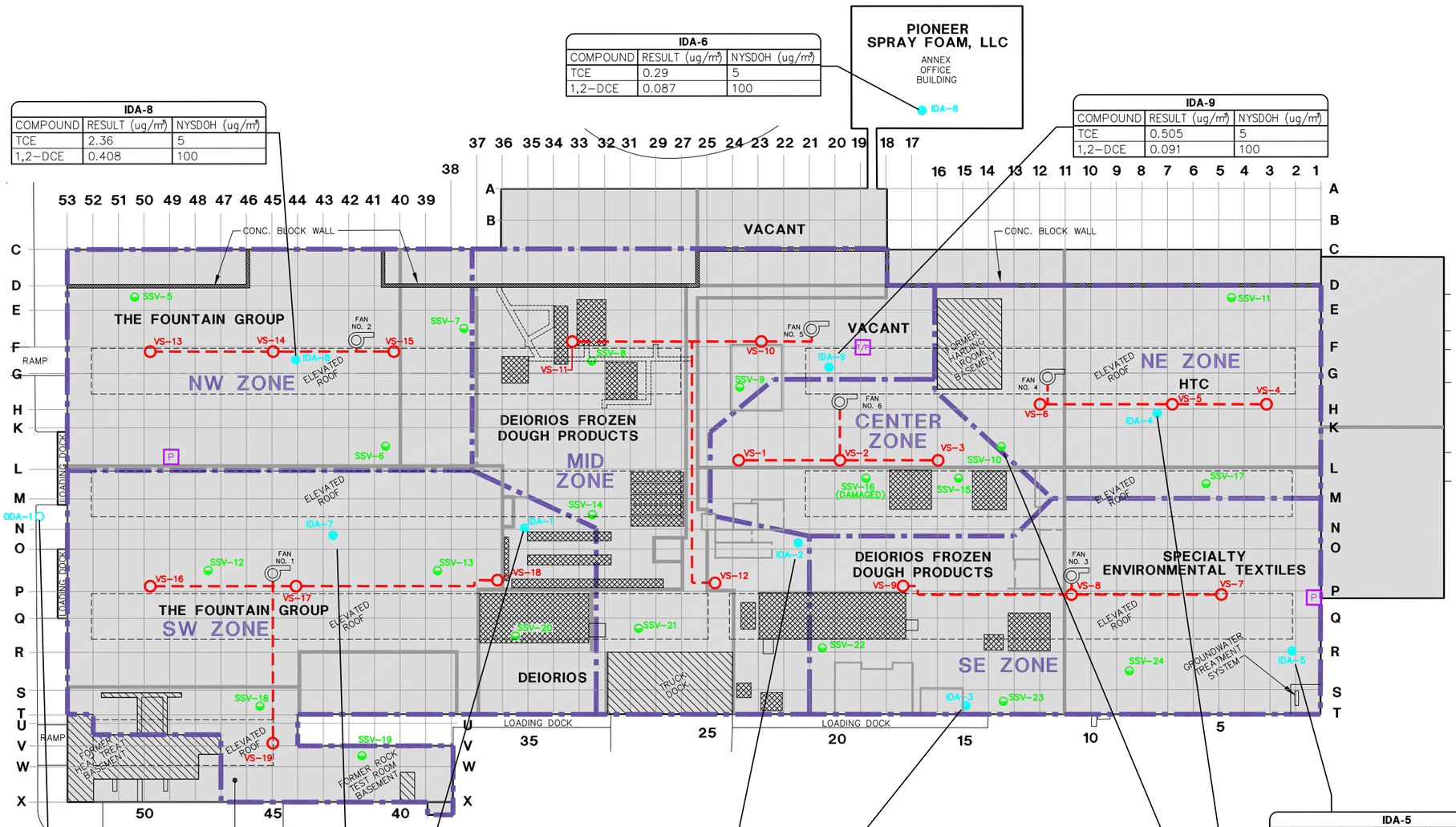
synapse
connect. advise. insure.
SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

SSDS FLOW AND MONITORING ONE LINE DIAGRAM

PROJECT NO.: DANA 01-15
DATE: FEBRUARY 2016
FIGURE NO.: **5-3**



IDA-6		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	0.29	5
1,2-DCE	0.087	100

IDA-8		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	2.36	5
1,2-DCE	0.408	100

IDA-9		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	0.505	5
1,2-DCE	0.091	100

ODA-1		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	0.124	5
1,2-DCE	0.079 U	100

IDA-7		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	4.24	5
1,2-DCE	0.412	100

IDA-1		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	1.1	5
1,2-DCE	0.127	100

IDA-2		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	0.33	5
1,2-DCE	0.079 U	100

IDA-3		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	0.301	5
1,2-DCE	0,079 U	100

IDA-5		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	6.13	5
1,2-DCE	1.52	1,000

IDA-4		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	0.876	5
1,2-DCE	0.087	100

SSV-10		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	7.63	250
1,2-DCE	0.228	1000

LEGEND

- 2 C — COLUMN LINE ID
- TENANT PARTITIONS (SUBJECT TO CHANGE)
- MAIN BUILDING
- SSV-1 — PERMANENT SUB-SLAB SAMPLE LOCATION
- VS-1 — VACUUM SUMP
- APPROXIMATE VACUUM PIPE LOCATION
- VAPOR MITIGATION FAN
- T/P — EXISTING TRANSFORMER/ ELECTRIC PANEL
- P — EXISTING ELECTRIC PANEL
- BASEMENT/TRUCK DOCK
- BUILDING SUB-SLAB ZONE BOUNDARY
- EXISTING EQUIPMENT ATOP OF SLAB
- EQUIPMENT PIPING TRENCH
- IDA-7 — INDOOR AIR SAMPLE LOCATION
- ODA-1 — OUTDOOR AIR SAMPLE LOCATION

SSV-10		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	7.63	250
1,2-DCE	0.228	1000

SUB-SLAB SAMPLE NUMBER
SUB-SLAB VAPOR GUIDANCE
TRICHLOROETHENE
1,2-DICHLOROETHENE

IDA-1		
COMPOUND	RESULT (ug/m³)	NYSDOH (ug/m³)
TCE	49	5
1,2-DCE	7.1	100

INDOOR AIR SAMPLE NUMBER
INDOOR AIR GUIDANCE
TRICHLOROETHENE
1,2-DICHLOROETHENE

DENOTES EXCEEDANCE OF NYSDOH GUIDANCE VALUE

NOTES:

1. BASE MAP INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LIMITED FIELD SURVEY PERFORMED BY BLASLAND, BOUCK & LEE, INC. (BBL), DATED 10/97. AS-BUILT SURVEY INFORMATION PERFORMED BY LAFAVE, WHITE & MCGIVERN, L.S., P.C., DATED 5/99, AND ON INFORMATION OBTAINED FROM PREVIOUS SITE PLANS WHICH MAY BE CONCEPTUAL OR ASSUMED.
2. EQUIPMENT LOCATIONS DIGITIZED FROM DRAWING BY FOOD TECH LLC ENTITLED "GROUND FLOOR PLAN", DATED 1/25/13.
3. ALL LOCATIONS ARE APPROXIMATE.
4. THE GROUNDWATER TREATMENT SYSTEM CONSISTS OF AN AIR STRIPPER AND TWO PUMPING MANHOLES IMPLEMENTED AS AN INTERIM REMEDIAL MEASURE SYSTEM DESIGNED AND INSTALLED IN 1995. OWNED AND OPERATED BY CHICAGO PNEUMATIC.
5. NYSDOH REFERENCED SUB-SLAB GUIDANCE HEREIN REPRESENTS THE MINIMUM SUB-SLAB VAPOR CONCENTRATION REQUIRING MITIGATION REGARDLESS OF INDOOR AIR CONCENTRATIONS.

0 100' 200'

GRAPHIC SCALE

X: 0069_CP-BASE3, CP-BASE-ROOF
P: CPD2BC
2/22/16
SYNAPSE/WIP/DANA 01-11/2015 SMP/DANAB21.DWG

synapse
connect. advise. insure.

SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

INDOOR AIR & SUB-SLAB VAPOR SAMPLING RESULTS MARCH 9, 2015

PROJECT NO.: DANA 01-15
DATE: FEBRUARY 2016
FIGURE NO.: 5-4

CERTIFICATION

I, Richard M. Loewenstein, Jr., PE as a licensed Professional Engineer in the State of New York, certify that Section 6 (January 1, 2015 – December 31, 2015) of the 2015 Periodic Review Report, for the property located at 2200 Bleecker Street, Utica, New York, is prepared pursuant to the DER-10 (May 3, 2010), Section 1.5(a) 8 and has been prepared in accordance with good engineering practices.

Richard M. Loewenstein, Jr., P.E.

Printed Name of Certifying Engineer

Signature of Certifying Engineer

February 26, 2016

Date of Certification

069787

Registration Number

New York

Registration State

CHA Consulting, Inc.

Company

Sr. VP, Director of Engineering

Title

6.0 ENGINEERING CONTROLS – OPERATION, MAINTENANCE AND MONITORING OF THE GROUNDWATER TREATMENT SYSTEM

6.1 INTRODUCTION

The groundwater treatment system (GTS) was originally constructed as an interim remedial measure (IRM) to address volatile organic compounds (VOCs) present in surface water and groundwater. The system became fully operational in March 1995 and has been operational since, with the exception of items discussed in Sections 6.4 and 6.5. As part of the selected Remedial Action (RA), the system was modified to collect and treat shallow groundwater in 1999.

The system was significantly upgraded in December 2006 in an effort to minimize system shutdowns and improve overall efficiency. Presently, the GTS consists of the northern collection trench (NCT), the southern collection trench (SCT), pumping manhole number 1 (MH-1), pumping manhole number 2 (MH-2), the piping system, an equalization tank, transfer pumps, bag filters, a control system and an air stripper. The GTS has been operating for 20 years. CHA, on behalf of Chicago Pneumatic Tool Company (CPTC), has been conducting Operation, Maintenance and Monitoring (OM&M) of the GTS since October 1, 2008.

Between January 1, 2015 and December 31, 2015 operation of the air stripper, pumps, and appurtenances has been consistent and continuous. System maintenance and emergency responses are summarized in Section 6.5; in general, emergency call outs were resolved quickly, and resulted in the GTS being shut down for the least amount of time, as possible. The treatment system flow totalizers, as recorded on inspection reports, indicate that a total of approximately 2,922,462 gallons of water was pumped, treated, and released to Outfall 03A between January 1, 2015 and December 31, 2015, operating at 95.8% efficiency and removing approximately 13.4 pounds of VOCs.

At this time, no changes to the Site Management Plan are recommended. Since concentrations of representative water samples from both the SCT and the NCT are still above regulatory standards, the requirements for discontinuing site management have not been achieved and the GTS is required. Annual submissions of the Periodic Review Report (PRR) are recommended. Continued OM&M of this GTS is ongoing and also recommended.

6.2 SITE OVERVIEW

The treatment process includes removal of VOCs from influent water utilizing a low-profile air stripper detailed in the Air Stripper Plan Figure 6-2. The low-profile air stripper treats influent groundwater pumped from MH-1 and MH-2. The configuration at the manholes is detailed in Pumping Manhole Plans and Sections Figure 6-3. MH-1 currently receives groundwater from the SCT. MH-2 was constructed at the northern (down-gradient) extent of the property to collect effluent water from an existing clay pipe and groundwater from the NCT. The collection trenches were constructed as part of the RA at prescribed locations on the property to collect shallow groundwater. Groundwater is directed, via gravity feed, to the respective manholes where it is then pumped to the equalization tank and then through bag filters and the air stripper.

MH-1 is equipped with two ½ horsepower (hp) pumps arranged in lead/lag mode and five bulb type control switches. MH-2 is equipped with two ¾ hp pumps arranged in lead/lag mode and five bulb type control switches. The pump controls are set, top to bottom in each manhole, as follows:

High level alarm;
Lag pump start;
Lead pump start;
Both pumps stop; and
Low level alarm, second off.

The main control panel for all pumps is located in the Main Building, adjacent to the air stripper. Groundwater is conveyed to the GTS area via a below grade containment piping system and single wall piping above grade. The GTS components inside the building are located within a designated room containing a locked separate entrance from the remaining portion of the Main Building.

After entering the treatment system area, groundwater flows to a 2,500-gallon equalization tank, which provides a more uniform flow into the air stripper and to a limited extent, allows solids to settle out prior to treatment. The equalization tank is equipped with four float switches, which monitor and initiate events for the system operation.

Two Gould's pumps are utilized to transfer water from the equalization tank through two bag filters piped in series and then to the air stripper. These pumps are rated for greater than 120 gallons per minute at 40 feet of head. An in-line strainer is installed on the influent to each of these pumps to deter solids from entering the pumps.

Groundwater is conveyed via the Gould's pumps from the equalization tank to one 100-micron bag filter followed by one 50-micron bag filter on the effluent side of the pumps to capture smaller particles. The filter housings are stainless steel construction and rated for a maximum pressure of 120 pounds per square inch (psi). The treatment system has a typical operating range of 15 to 35 psi. When bag filter pressures exceed 35 psi the air stripper feed pumps shut down and an automated alarm call-out is sent signaling that the bag filters need to be replaced before operation is able to resume. After passing through the primary and secondary bag filters, groundwater enters the air stripper unit.

The low-profile air stripper is a four-tray ShallowTray® 31200 Series model, equipped with a 3-phase, 20 hp, 1,800 cubic feet per minute (CFM) blower and is reportedly capable of processing water from 6 gallons per minute (gpm) to 425 gpm. The original control panel system was designed and constructed by Northeast Environmental Systems and the panel was further upgraded in 2006.

All data is remotely accessible using EOS data management systems. Once per day, the EOS system transmits a record of the GTS operating conditions via email to CHA's Syracuse office. The data is reviewed to determine whether the system is operating normally. In addition, the EOS system allows "real time" remote monitoring via computer, which is wirelessly connected to the EOS system. Real time monitoring of the GTS is generally conducted from one to multiple times per day depending on system demands and/or precipitation events. If the GTS is found to be in an alarm condition, an appropriate response is initiated.

The treated water from the low-profile air stripper discharges via gravity through an effluent pipe to SPDES Outfall 03A located at the upstream end of the eastern drainage ditch, formerly Area 14. The eastern drainage ditch is ultimately monitored as SPDES Outfall 003, prior to discharging off-site at the northern property boundary, as shown on Figure 6-1.

6.3 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

Air stripper influent and effluent samples are collected and analyzed for the required VOCs. The January 1, 2015 through December 31, 2015 Influent and Effluent Analytical Summary (Table 2) provides the analytical data for influent flow from MH-1 and MH-2 on a monthly basis, and the air stripper effluent on a weekly basis. Table 3, the 2015 Air Stripper Flow Summary, provides weekly and monthly average flows measured during sampling events.

The information presented in Tables 2 and 3 was developed to assist in evaluating mass removal of VOCs by the GTS. Table 4, the 2015 Air Stripper Mass Removal Summary, provides a monthly account of air stripper influent and effluent concentrations, VOCs removed, percent of VOCs removed, and total VOCs removed during the 12-month period from January 1, 2015 to December 31, 2015. As indicated, the

average removal efficiency for 2015 was 95.8%, resulting in the removal of approximately 13.4 pounds of VOCs.

6.4 MONITORING PLAN COMPLIANCE

The effluent from the air stripper which is discharged to SPDES Outfall 03A, requires sampling and analysis, as well as flow measurements to document compliance with the NYSDEC SPDES Permit No. NY0108537. Monitoring activities are summarized below.

- Weekly monitoring of flow and pH.
- Weekly effluent sampling and analysis for:
    - trichloroethylene (TCE);
    - cis-1,2-dichloroethene (cis-1,2-DCE);
    - trans-1,2-dichloroethene (trans-1,2-DCE); and
    - vinyl chloride (VC).

Between January 1, 2015 and December 31, 2015, representative system and manhole samples were collected by CHA personnel, placed in appropriately labeled laboratory glassware, and delivered by the CHA sampling personnel to Test America Laboratories. Specifically these samples were collected from the SPDES Outfall 03A sampling port, as well as, MH-1 influent and MH-2 influent sampling ports. Results from weekly sampling events conducted between January 1, 2015 and December 31, 2015 are provided in Table 5, Summary of Outfall 03A Analytical Results. The analytical results are submitted by CHA, on behalf of Chicago Pneumatic, to the NYSDEC in the form of monthly Discharge Monitoring Reports (DMRs). Between January 1, 2015 and December 31, 2015, there were two excursions to the SPDES Permit effluent limits. These excursions occurred in 1) May 2015; and 2) June 2015. The NYSDEC was immediately notified in writing (via email) of the excursions. There were no other permit excursions during 2015. DMR's have been provided in Appendix G.

The system is also remotely monitored daily using the EOS data management systems. Once per day, the EOS system transmits a record of the GTS operating conditions via email to CHA's Syracuse office. The data is reviewed to determine whether the system is operating normally. In addition, the EOS system allows "real time" remote monitoring via computer, which is connected to the EOS system via a wireless data connection. The system monitoring program is currently in full compliance with the Monitoring Plan.

6.4.1 Conclusions and Recommendations for Improvement

With the exception of small disruptions in daily operations on specified dates as detailed in Section 6.5 (Operation and Maintenance Plan Compliance), the implemented monitoring fully complied with the system Monitoring Plan. Flow and pH were monitored on a weekly basis as well as effluent sampling and analysis for the listed VOCs. The monitoring plan is effective in meeting the objectives of the remedial program.

6.5 OPERATION AND MAINTENANCE PLAN COMPLIANCE

The GTS is designed to operate continuously, 24 hours per day, 7 days a week. The manhole and equalization tank pumps operate, as needed, to direct and control water flow into the air stripper. Control floats normally activate the pumps in both manholes and the equalization tank. If the pump systems fail to control the water level, due to an extremely high volume entering the manhole, an alarm is activated. If daily monitoring of the GTS status emails and/or daily real-time monitoring note that the GTS is in an alarm condition, an appropriate response is initiated. Copies of the field logs, included in Appendix H, provide documentation of weekly site visits, recorded alarm conditions, and modifications made to the system from January 1, 2015 through December 31, 2015. A summary of scheduled and unscheduled maintenance events including system alarms, shutdowns and responses from January 1, 2015 through December 31, 2015 are presented in the table below. These shutdowns resulted in the GTS being shut down for a relatively short period of time (e.g., generally less than one (1) day).

Alarm Conditions and Maintenance Summary

January 1, 2015 – December 31, 2015

Date	Incident/Resolution
1/6/2015	GTS shutdown due to a blown gasket on the air stripper.
1/7/2015	CHA onsite with subcontractor Paragon Environmental Construction (PEC) to fix air stripper, install wye screen in effluent pump 6B and install MH-2 flow sensor.
3/3/2015	CHA on site with subcontractors PEC and Engler Electric to install ultrasonic level sensor for the EQ tank.
4/9/2015	MH-1 and MH-2 High Level Alarms. CHA changed out both bag filters and operated in alarm condition.
4/15/2015	MH-1 High Alarm. CHA changed out both bag filters and operated in alarm condition.
6/30/2015	Sump High Level Alarm; CHA pumped sump to clear alarms and changed out bag filters.
9/8/2015	CHA on site with subcontractor PEC for air stripper maintenance; GTS shutdown.
9/9/2015	CHA on site with subcontractor PEC for air stripper maintenance; GTS restarted upon completion.
9/22/2015	EQ High Level Alarm. Changed out both bag filters to clear alarm.
9/30/2015	A small leak occurred on the back side of the air stripper from the top tray gasket. CHA will continue to monitor for additional leakage.
10/29/2015	CHA onsite with subcontractor Optech; to replace blower motor but was unable to install due to a corroded shaft. GTS shutdown.
10/30/2015	CHA back onsite with subcontractor Optech to continue blower motor replacement. Got the drum fan off but had to take the unit back to the shop for further evaluation. GTS remains shutdown.
11/5/2015	CHA back onsite with subcontractor Optech to install the blower motor. Install was successful, GTS resumed as normal.
12/3/2015	EQ high alarm. Changed out one bag filter to clear alarm.
12/28/2015	EQ high alarm, MH-1 high alarm, and MH-2 high alarm. Both bag filters changed twice, pumped down MH-1 and MH-2, all alarms cleared.

The total volume of water pumped to the air stripper is measured by in-line flow meters that provide both instantaneous and total flow readings. These flow meters are located at the air stripper in the influent pipes from MH-1, MH-2, and the treatment area floor sump pump as shown in Figure 6-4. Between January 1, 2015 and December 31, 2015 approximately 2,922,462 gallons of water were pumped, treated, and

discharged to Outfall 03A. The Manhole Flow Summary (Table 1) indicates the manhole flow meter readings obtained during weekly inspections and provides average monthly flows for both manholes, as well as total flow for the same period of 2015. The GTS processed an average of 8,051 gpd between January 1, 2015 and December 31, 2015.

6.5.1 Conclusions and Recommendations for Improvement

The GTS has been operating for 20 years. Between January 1, 2015 and December 31, 2015 operation of the air stripper, pumps, and appurtenances has been consistent and for the most part continuous. In general, emergency call outs were resolved quickly, and resulted in the GTS being shut down for the least amount of time, as possible. The O&M plan is effective in meeting the objectives of the remedial program.

6.6 OVERALL CONCLUSIONS AND RECOMMENDATIONS

At this time, no changes to the Site Management Plan are recommended. Requirements of the Monitoring Plan were met during the reporting period. Likewise, the requirements of the Operation and Maintenance Plan were also met during the reporting period.

Based upon evaluation of the GTS, the remedial objectives for the site are being met. As indicated above, the total average removal efficiency was 95.8, resulting in the removal of approximately 13.4 pounds of VOCs between the dates January 1, 2015 and December 31, 2015. The GTS is operating and performing in accordance with the Monitoring Plan and Operation and Maintenance Plan.

Since concentrations of water from both the SCT and the NCT are still above regulatory standards, the requirements for discontinuing site management have not been met and the GTS is still needed. Annual submissions of the PRR are recommended. Continued operation, maintenance, and monitoring of this GTS is ongoing and recommended.

6.7 Tables

6-1 2015 Manhole Flow Summary

6-2 2015 Influent and Effluent Analytical Summary

6-3 2015 Air Stripper Flow Summary

6-4 2015 Air Stripper Mass Removal Summary

6-5 2015 Cumulative Summary of Outfall 03A Analytical Results

6.8 Figures

6-1 Groundwater Treatment System Plan

6-2 Air Stripper Plan

6-3 Pumping Manhole Plans and Sections

6-4 Groundwater Treatment System As-Built Drawing

TABLE 6-1
JANUARY 1, 2015 THROUGH DECEMBER 31, 2015 MANHOLE FLOW SUMMARY

2015 ANNUAL OM+M REPORT
2200 BLEECKER STREET, UTICA, NY
NYSDEC SITE NO. 622003

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
1/7/2015	9,123,900	12,718,740	8	10,855	15,295	26,150
1/14/2015	9,153,731	12,768,119	7	4,262	7,054	11,316
1/22/2015	9,160,079	12,822,101	8	794	6,748	7,541
1/28/2015	9,160,079	12,861,297	6	0	6,533	6,533
Average Monthly Flow			**29**	**4,242**	**9,135**	**13,377**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
2/5/2015	9,170,876	12,896,089	8	1,350	4,349	5,699
2/12/2015	9,181,922	12,920,522	7	1,578	3,490	5,068
2/18/2015	9,190,776	12,941,990	6	1,476	3,578	5,054
2/24/2015	9,198,701	12,962,075	6	1,321	3,348	4,668
Average Monthly Flow			**27**	**1,430**	**3,733**	**5,163**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
3/3/2015	9,209,602	12,987,378	7	1,557	3,615	5,172
3/12/2015	9,220,503	13,012,681	9	1,211	2,811	4,023
3/18/2015	9,237,143	13,044,641	6	2,773	5,327	8,100
3/26/2015	9,264,827	13,085,024	8	3,461	5,048	8,508
Average Monthly Flow			**30**	**2,204**	**4,098**	**6,303**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
4/1/2015	9,311,861	13,115,917	6	7,839	5,149	12,988
4/9/2015	9,358,895	13,171,846	8	5,879	6,991	12,870
4/15/2015	9,400,483	13,223,400	6	6,931	8,592	15,524
4/22/2015	9,435,426	13,279,153	7	4,992	7,965	12,957
4/29/2015	9,471,455	13,333,283	7	5,147	7,733	12,880
Average Monthly Flow			**34**	**6,077**	**7,302**	**13,379**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
5/7/2015	9,495,923	13,366,191	8	3,059	4,114	7,172
5/13/2015	9,513,064	13,392,437	6	2,857	4,374	7,231
5/20/2015	9,534,918	13,422,498	7	3,122	4,294	7,416
5/28/2015	9,554,225	13,452,263	8	2,413	3,721	6,134
Average Monthly Flow			**29**	**2,854**	**4,103**	**6,957**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
6/3/2015	9,570,243	13,456,889	6	2,670	771	3,441
6/10/2015	9,590,898	13,496,831	7	2,951	5,706	8,657
6/18/2015	9,590,998	13,496,886	8	13	7	19
6/24/2015	9,592,232	13,496,886	6	206	9	215
6/30/2015	9,640,362	13,531,866	6	8,022	5,830	13,852
Average Monthly Flow			**33**	**2,610**	**2,412**	**5,022**

TABLE 6-1
JANUARY 1, 2015 THROUGH DECEMBER 31, 2015 MANHOLE FLOW SUMMARY

2015 ANNUAL OM+M REPORT
2200 BLEECKER STREET, UTICA, NY
NYSDEC SITE NO. 622003

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
7/9/2015	9,678,216	13,602,785	9	4,206	7,880	12,086
7/15/2015	9,678,765	13,662,814	6	92	10,005	10,096
7/22/2015	9,696,085	13,696,617	7	2,474	4,829	7,303
7/29/2015	9,709,915	13,733,974	7	1,976	5,337	7,312
Average Monthly Flow			**29**	**2,398**	**6,969**	**9,368**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
8/6/2015	9,723,553	13,771,512	8	1,705	4,692	6,397
8/14/2015	9,734,959	13,806,552	8	1,426	4,380	5,806
8/20/2015	9,749,762	13,842,268	6	2,467	5,953	8,420
8/26/2015	9,767,336	13,887,393	6	2,929	7,521	10,450
Average Monthly Flow			**28**	**2,051**	**5,479**	**7,530**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
9/3/2015	9,781,775	13,914,797	8	1,805	3,426	5,230
9/11/2015	9,789,347	13,951,269	8	947	4,559	5,506
9/17/2015	9,799,602	13,975,815	6	1,709	4,091	5,800
9/24/2015	9,810,711	13,988,031	7	1,587	1,745	3,332
9/30/2015	9,822,695	14,014,127	6	1,997	4,349	6,347
Average Monthly Flow			**35**	**1,582**	**3,621**	**5,203**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
10/7/2015	9,840,359	14,044,439	7	2,523	4,330	6,854
10/14/2015	9,848,948	14,090,758	7	1,227	6,617	7,844
10/21/2015	9,875,611	14,128,629	7	3,809	5,410	9,219
10/30/2015	9,888,694	14,151,521	9	1,454	2,544	3,997
Average Monthly Flow			**30**	**2,200**	**4,580**	**6,780**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
11/5/2015	9,901,776	14,174,214	6	488	63	551
11/12/2015	9,944,952	14,220,605	7	6,168	6,627	12,795
11/18/2015	9,960,220	14,252,677	6	2,545	5,345	7,890
11/24/2015	9,974,165	14,282,134	6	2,324	4,910	7,234
Average Monthly Flow			**25**	**3,013**	**4,332**	**7,344**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
12/2/2015	9,990,264	14,317,049	8	2,012	4,364	6,377
12/10/2015	10,018,743	14,366,138	8	3,560	6,136	9,696
12/16/2015	10,038,456	14,400,890	6	3,286	5,792	9,078
12/22/2015	10,063,087	14,438,650	6	4,105	6,293	10,399
12/28/2015	10,102,630	14,453,272	6	6,591	2,437	9,028
Average Monthly Flow			**34**	**3,778**	**5,033**	**8,812**

TABLE 6-1
JANUARY 1, 2015 THROUGH DECEMBER 31, 2015 MANHOLE FLOW SUMMARY

2015 ANNUAL OM+M REPORT
2200 BLEECKER STREET, UTICA, NY
NYSDEC SITE NO. 622003

Summary of Manhole Flow for January 1, 2015 through December 31, 2015		
Total Flow	**gal**	**gpd**
MH-1	**1,065,573**	**2,935**
MH-2	**1,856,889**	**5,115**
Total 2015 Flow:	**2,922,462**	**8,051**

Notes:

Average monthly manhole flow is based on daily average

Table 6-2
JANUARY 1, 2015 through DECEMBER 31, 2015 INFLUENT AND EFFLUENT ANALYTICAL SUMMARY

2015 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

	Influent from MH-1					Influent from MH-2					Air Stripper Effluent					
Sample Date	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Monthly Average VOC's
Permit Limit											10	10	10	10		
1/7/2015	1.5	34	<5	1.2	41.7	<50	290	<5	910	1255	<5	<5	<5	<5	20	
1/14/2015											<5	<5	<5	<5	20	
1/22/2015											<5	<5	<5	<5	20	
1/28/2015											<5	<5	<5	<5	20	20.0
2/5/2015	2.2	41	<5	0.89	49.09	<50	87	<50	240	427	<5	<5	<5	<5	20	
2/12/2015											<5	<5	<5	<5	20	
2/18/2015											<5	<5	<5	<5	20	
2/24/2015											<5	1.2	<5	1.1	12.3	18.1
3/3/2015	6.8	53	<5	1	65.8	<50	100	<50	280	480	<5	<5	<5	<5	20	
3/12/2015											<5	<5	<5	<5	20	
3/18/2015											<5	<5	<5	<5	20	
3/26/2015											<5	<5	<5	<5	20	20.0
4/1/2015	3.8	33	<5	0.86	42.66	<50	240	<50	810	1150	<5	<5	<5	<5	20	
4/9/2015											<5	<5	<5	<5	20	
4/15/2015											<5	<5	<5	<5	20	
4/22/2015											<5	<5	<5	<5	20	
4/29/2015											<5	<5	<5	<5	20	20.0
5/7/2015	3.7	43	<5	1.2	52.9	<50	87	<50	250	437	<5	<5	<5	<5	20	
5/13/2015											<5	<5	<5	<5	20	
5/20/2015											<5	<5	<5	<5	20	
5/28/2015											<5	<5	<5	<5	20	20.0
6/3/2015	4.4	42	<5	1.3	52.7	<50	140	<50	440	680	<5	<5	<5	<5	20	
6/10/2015											<5	<5	<5	<5	20	
6/18/2015											<5	<5	<5	<5	20	
6/24/2015											<5	<5	<5	<5	20	
6/30/2015											<5	<5	<5	<5	20	20.0
7/9/2015	1.8	33	<5	1.2	41	<50	180	<50	540	870	<5	<5	<5	<5	20	
7/15/2015											<5	<5	<5	<5	20	
7/22/2015											<5	<5	<5	<5	20	
7/29/2015											<5	<5	<5	<5	20	20.0
8/6/2015	1.8	52	<5	1.6	60.4	<50	160	<50	460	720	<5	<5	<5	<5	20	
8/14/2015											<5	<5	<5	<5	20	
8/20/2015											<5	<5	<5	<5	20	
8/26/2015											<5	<5	<5	<5	20	20.0

Table 6-2
JANUARY 1, 2015 through DECEMBER 31, 2015 INFLUENT AND EFFLUENT ANALYTICAL SUMMARY

2015 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

	Influent from MH-1					Influent from MH-2					Air Stripper Effluent					
Sample Date	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Monthly Average VOC's
9/3/2015	2.2	51	<5	1.6	59.8	<100	160	<100	490	850	<5	<5	<5	<5	20	
9/11/2015											<5	<5	<5	<5	20	
9/17/2015											<5	<5	<5	<5	20	
9/24/2015											<5	<5	<5	<5	20	
9/30/2015											<5	<5	<5	<5	20	20.0
10/7/2015	1.3	44	<5	1.3	51.6	<40	100	<40	310	490	<5	<5	<5	<5	20	
10/14/2015											<5	<5	<5	<5	20	
10/21/2015											<5	<5	<5	<5	20	
10/30/2015											<5	<5	<5	<5	20	
10/30/2015											0	0	0	0	0	16.0
11/5/2015	<5	46	1.1	1.2	53.3	<50	210	<50	640	950	<5	<5	<5	<5	20	
11/12/2015											<5	<5	<5	<5	20	
11/18/2015											<5	<5	<5	<5	20	
11/24/2015											1	<5	<5	<5	16	19.0
12/2/2015	2.1	31	<5	0.7	38.8	25	320	<25	900	1270	<5	<5	<5	<5	20	
12/10/2015											<5	<5	<5	<5	20	
12/16/2015											<5	<5	<5	<5	20	
12/22/2015											<5	<5	<5	<5	20	
12/28/2015											<5	<5	<5	<5	20	20.0

Notes:
1) All values reported in micrograms per liter (ug/L), approximately equivalent to parts per billion (ppb).
2) VOCs = Volatile Organic Compounds.

TABLE 6-3
2015 AIR STRIPPER FLOW SUMMARY

2015 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Average Flow During Monitoring Period (gpd)
1/7/2015	26,150
1/14/2015	11,316
1/22/2015	7,541
1/28/2015	6,533
Average Monthly Flow (gpd)	**13,377**
2/5/2015	5,699
2/12/2015	5,068
2/18/2015	5,054
2/24/2015	4,668
Average Monthly Flow (gpd)	**5,163**
3/3/2015	5,172
3/12/2015	4,023
3/18/2015	8,100
3/26/2015	8,508
Average Monthly Flow (gpd)	**6,303**
4/1/2015	12,988
4/9/2015	12,870
4/15/2015	15,524
4/22/2015	12,957
4/29/2015	12,880
Average Monthly Flow (gpd)	**13,379**
5/7/2015	7,172
5/13/2015	7,231
5/20/2015	7,416
5/28/2015	6,134
Average Monthly Flow (gpd)	**6,957**
6/3/2015	3,441
6/10/2015	8,657
6/18/2015	19
6/24/2015	215
6/30/2015	13,852
Average Monthly Flow (gpd)	**5,022**
7/9/2015	12,086
7/15/2015	10,096
7/22/2015	7,303
7/29/2015	7,312
Average Monthly Flow (gpd)	**9,368**

TABLE 6-3
2015 AIR STRIPPER FLOW SUMMARY

2015 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Average Flow During Monitoring Period (gpd)
8/6/2015	6,397
8/14/2015	5,806
8/20/2015	8,420
8/26/2015	10,450
Average Monthly Flow (gpd)	**7,530**
9/3/2015	5,230
9/11/2015	5,506
9/17/2015	5,800
9/24/2015	3,332
9/30/2015	6,347
Average Monthly Flow (gpd)	**5,203**
10/7/2015	6,854
10/14/2015	7,844
10/21/2015	9,219
10/30/2015	3,997
Average Monthly Flow (gpd)	**6,780**
11/5/2015	551
11/12/2015	12,795
11/18/2015	7,890
11/24/2015	7,234
Average Monthly Flow (gpd)	**7,344**
12/2/2015	6,377
12/10/2015	9,696
12/16/2015	9,078
12/22/2015	10,399
12/28/2015	9,028
Average Monthly Flow (gpd)	**8,812**

Note:
1) gpd = gallons per day.
2) Average flow data is calculated from data collected during site visits.
3) Total Air Stripper flow includes total flows of MH-1 and MH-2.

TABLE 6-4
JANUARY 1, 2015 - DECEMBER 31, 2015 AIR STRIPPER MASS REMOVAL SUMMARY

2015 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Month	Air Stripper Influent - Average Monthly VOC[1] Concentration (µg/l)[2]	Air Stripper Effluent - Average Monthly VOC Concentration[5] (µg/l)	VOC's Removed (µg/l)	% VOC's Removed	Air Stripper Effluent - Average Monthly Flow (gpd)[3]	VOC's Removed (lbs)[4]
Jan	870	20.00	850	97.7	13,377	2.8
Feb	322	18.08	304	94.4	5,163	0.4
Mar	335	20.00	315	94.0	6,303	0.5
Apr	647	20.00	627	96.9	13,379	2.4
May	279	20.00	259	92.8	6,957	0.4
Jun	354	20.00	334	94.4	5,022	0.5
Jul	658	20.00	638	97.0	9,368	1.4
Aug	540	20.00	520	96.3	7,530	0.9
Sep	610	20.00	590	96.7	5,203	0.9
Oct	348	16.00	332	95.4	6,780	0.6
Nov	582	19.00	563	96.7	7,344	0.9
Dec	742	20.00	722	97.3	8,812	1.8
			2015 Average (%)[6]:	**95.8**	2015 Total (lbs):	**13.4**

Notes:
1) VOCs = volatile organic compounds
2) ug/l = micrograms per liter, approximately equivalent to parts per billion (ppb)
3) gpd = gallons per day
4) lbs = pounds
5) Test America Laboratories typical reporting limit equals 5.0 ug/L or 1.0 ug/L. Therefore, mass removal calculations are based on an estimated value of 5.0 ug/L or 1.0 ug/L, respectively.

TABLE 6-5
JANUARY 1, 2015 THROUGH DECEMBER 31, 2015 SUMMARY OF SPDES OUTFALL- 03A ANALYTICAL RESULTS

2015 ANNUAL OM+M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

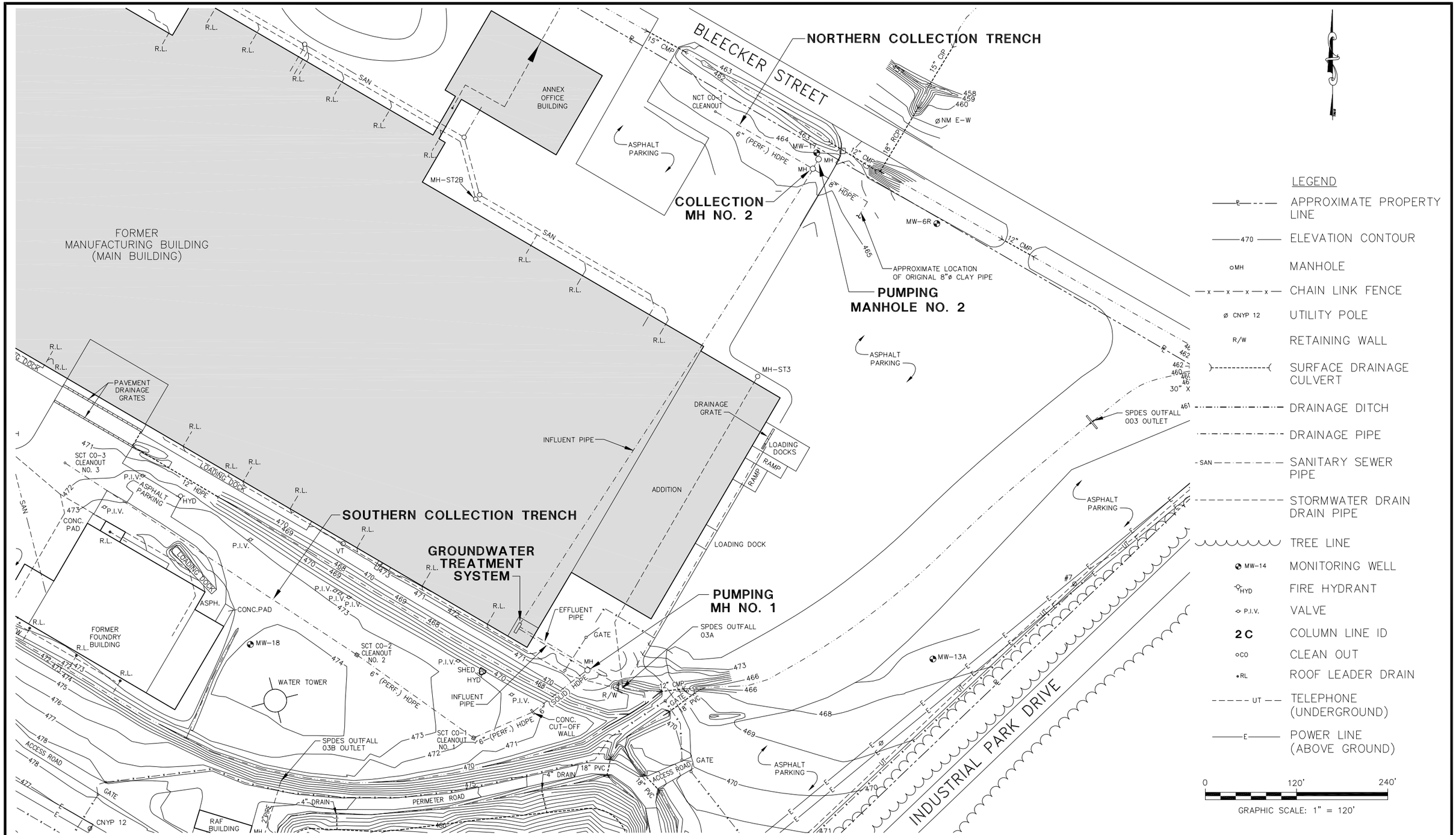
Sample Date	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	TCE (µg/L)	VC (µg/L)	Flow (Avg. GPD)	pH (SU)
Permit Limits	**10**	**10**	**10**	**10**		
1/7/2015	<5	<5	<5	<5	26150	7.47
1/14/2015	<5	<5	<5	<5	11316	7.68
1/22/2015	<5	<5	<5	<5	7541	7.52
1/28/2015	<5	<5	<5	<5	6533	6.87
2/5/2015	<5	<5	<5	<5	5699	6.50
2/12/2015	<5	<5	<5	<5	5068	7.19
2/18/2015	<5	<5	<5	<5	5054	7.44
2/24/2015	1.2	<5	1.1	<5	4668	7.09
3/3/2015	<5	<5	<5	<5	5172	6.05
3/12/2015	<5	<5	<5	<5	4023	7.95
3/18/2015	<5	<5	<5	<5	8100	7.13
3/26/2015	<5	<5	<5	<5	8508	7.78
4/1/2015	<5	<5	<5	<5	12988	6.62
4/9/2015	<5	<5	<5	<5	12870	7.08
4/15/2015	<5	<5	<5	<5	15524	6.75
4/22/2015	<5	<5	<5	<5	12957	7.08
4/29/2015	<5	<5	<5	<5	12880	7.62
5/7/2015	<5	<5	<5	<5	7172	7.20
5/13/2015	<5	<5	<5	<5	7231	8.01
5/20/2015	<5	<5	<5	<5	7416	8.45
5/28/2015	<5	<5	<5	<5	6134	7.24
6/3/2015	<5	<5	<5	<5	3441	6.78
6/10/2015	<5	<5	<5	<5	8657	7.91
6/18/2015	<5	<5	<5	<5	19	7.27
6/24/2015	<5	<5	<5	<5	215	7.62
6/30/2015	<5	<5	<5	<5	13852	5.76
7/9/2015	<5	<5	<5	<5	12086	5.58
7/15/2015	<5	<5	<5	<5	10096	6.77
7/22/2015	<5	<5	<5	<5	7303	7.81
7/29/2015	<5	<5	<5	<5	7312	0

TABLE 6-5
JANUARY 1, 2015 THROUGH DECEMBER 31, 2015 SUMMARY OF SPDES OUTFALL- 03A ANALYTICAL RESULTS

2015 ANNUAL OM+M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	TCE (µg/L)	VC (µg/L)	Flow (Avg. GPD)	pH (SU)
Permit Limits	**10**	**10**	**10**	**10**		
8/6/2015	<5	<5	<5	<5	6397	8.5
8/14/2015	<5	<5	<5	<5	5806	8.29
8/20/2015	<5	<5	<5	<5	8420	8.46
8/26/2015	<5	<5	<5	<5	10450	8.57
9/3/2015	<5	<5	<5	<5	5230	8.24
9/11/2015	<5	<5	<5	<5	5506	7.46
9/17/2015	<5	<5	<5	<5	5800	7.82
9/24/2015	<5	<5	<5	<5	3332	8.15
9/30/2015	<5	<5	<5	<5	6347	8.4
10/7/2015	<5	<5	<5	<5	6854	7.2
10/14/2015	<5	<5	<5	<5	7844	7.52
10/21/2015	<5	<5	<5	<5	9219	7.96
10/30/2015	<5	<5	<5	<5	3997	7.98
10/30/2015	0	0	0	0	3997	0
11/5/2015	<5	<5	<5	<5	551	6.66
11/12/2015	<5	<5	<5	<5	12795	8.19
11/18/2015	<5	<5	<5	<5	7890	7.06
11/24/2015	<5	<5	<5	1	7234	7.87
12/2/2015	<5	<5	<5	<5	6377	7.85
12/10/2015	<5	<5	<5	<5	9696	7.5
12/16/2015	<5	<5	<5	<5	9078	7.35
12/22/2015	<5	<5	<5	<5	10399	7.99
12/28/2015	<5	<5	<5	<5	9028	6.02

Notes:
1) cis-1,2-DCE = cis-1,2-Dichloroethene
2) trans-1,2-DCE = trans-1,2-Dichloroethene
3) TCE = Trichloroethylene
4) VC = Vinyl Chloride
5) ug/L = micrograms per liter
6) gpd = gallons per day.



NOTES:

1. BASE MAP INFORMATION SHOWN ON THIS DRAWING IS BASED ON A LIMITED FIELD SURVEY PERFORMED BY BLASLAND, BOUCK & LEE, INC. (BBL), DATED 10/97, AS-BUILT SURVEY INFORMATION PERFORMED BY LAFAVE, WHITE & MCGIVERN, L.S., P.C., DATED 5/99, AND ON INFORMATION OBTAINED FROM PREVIOUS SITE PLANS WHICH MAY BE CONCEPTUAL OR ASSUMED.
2. ALL ORIGINAL DRAINS AND DRAIN PIPE LOCATIONS INSIDE AND OUTSIDE OF THE BUILDINGS WERE DIGITIZED FROM COPIES OF THE 1948 CONSTRUCTION DRAWINGS AND ARE APPROXIMATE.

X: CP-BASE
D2BBW
1/3/14
SYNAPSE/WIP/DANA 01-11/2013 SMP/DANAB0312.DWG

synapse
connect. advise. insure.

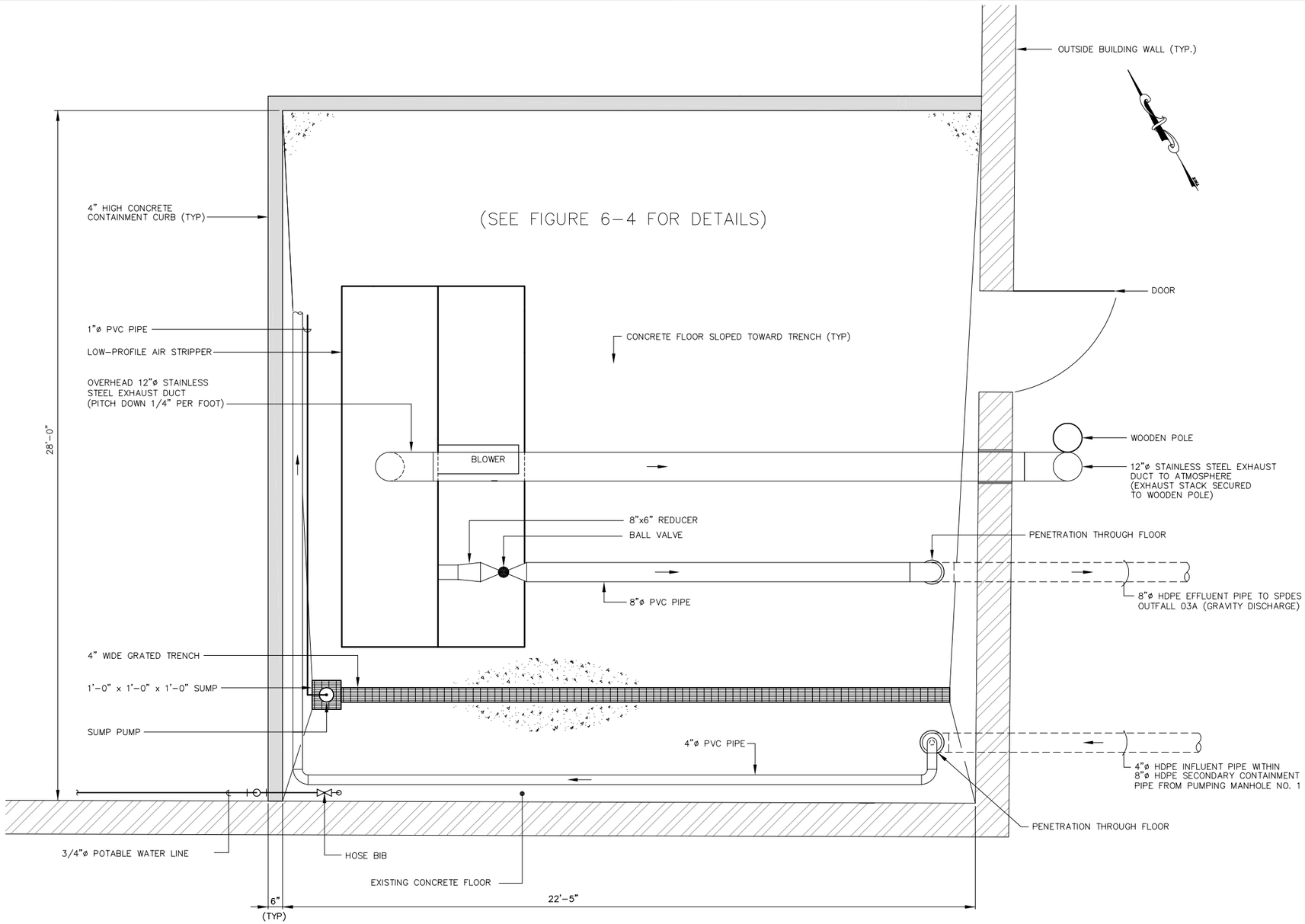
SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2012-2013 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

GROUNDWATER TREATMENT SYSTEM PLAN

PROJECT NO.: DANA 01-11
DATE: JANUARY 2014
FIGURE NO.: 6-1



FLOOR PLAN

1/4" = 1'-0"

GRAPHIC SCALE

0 2' 4' 8'

1/4" = 1'-0"

X: CP-BASE
P: BL
1/3/14
SYNAPSE/WIP/DANA 01-11/2013 SMP/DANAB14.DWG

synapse
connect. advise. insure.
SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2012-2013 PERIODIC REVIEW REPORT

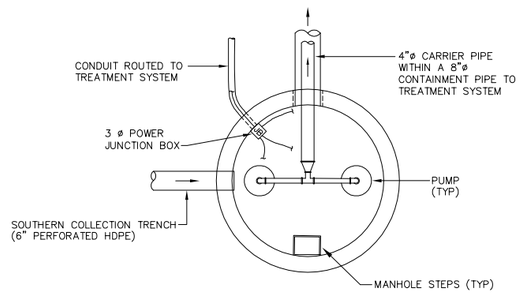
2200 BLEECKER STREET
UTICA, NEW YORK

AIR STRIPPER PLAN

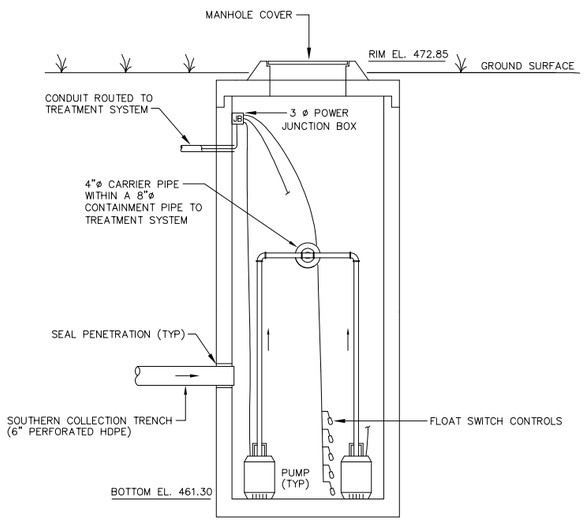
PROJECT NO.: DANA 01-11

DATE: JANUARY 2014

FIGURE NO.: 6-2



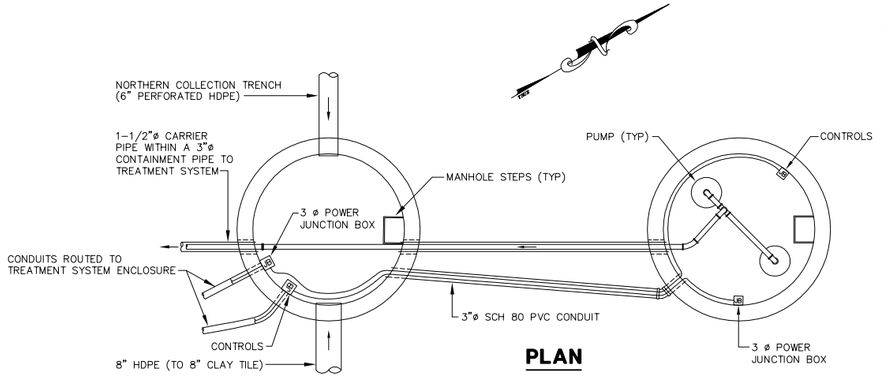
PLAN



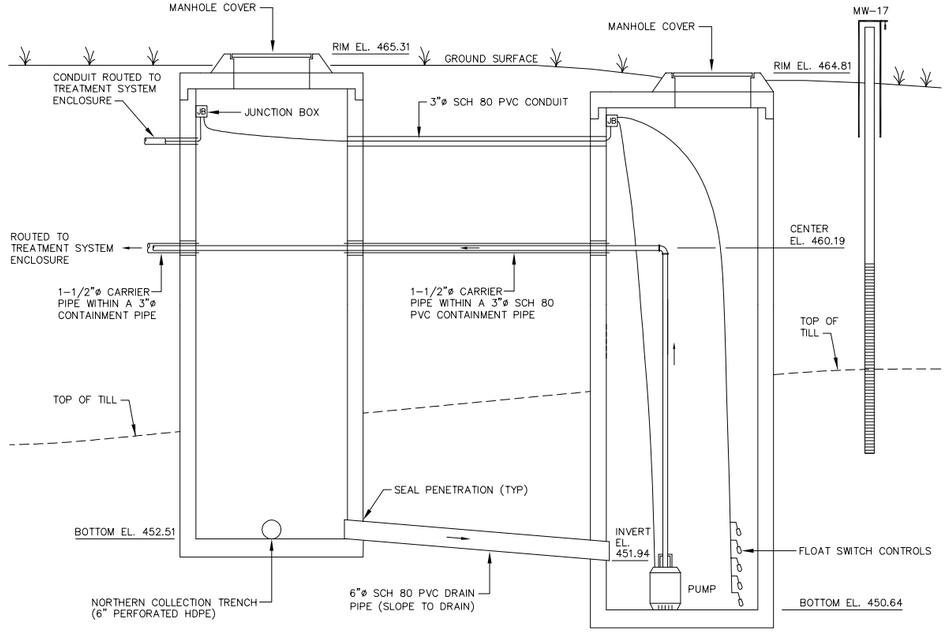
GENERAL SECTION

PUMPING MANHOLE NO. 1 PLAN AND SECTION

SCALE: 1/4" = 1'-0"



PLAN



COLLECTION MANHOLE **PUMPING MANHOLE**

GENERAL SECTION

PUMPING MANHOLE NO. 2 PLAN AND SECTION

SCALE: 1/4" = 1'-0"

0 4' 8'

GRAPHIC SCALE: 1/4" =1'-0"

X: CP-BASE
P: BL
1/3/14
SYNAPSE/WIP/DANA 01-11/2013 SMP/DANAB13.DWG

synapse
connect. advise. insure.

SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2012-2013 PERIODIC REVIEW REPORT

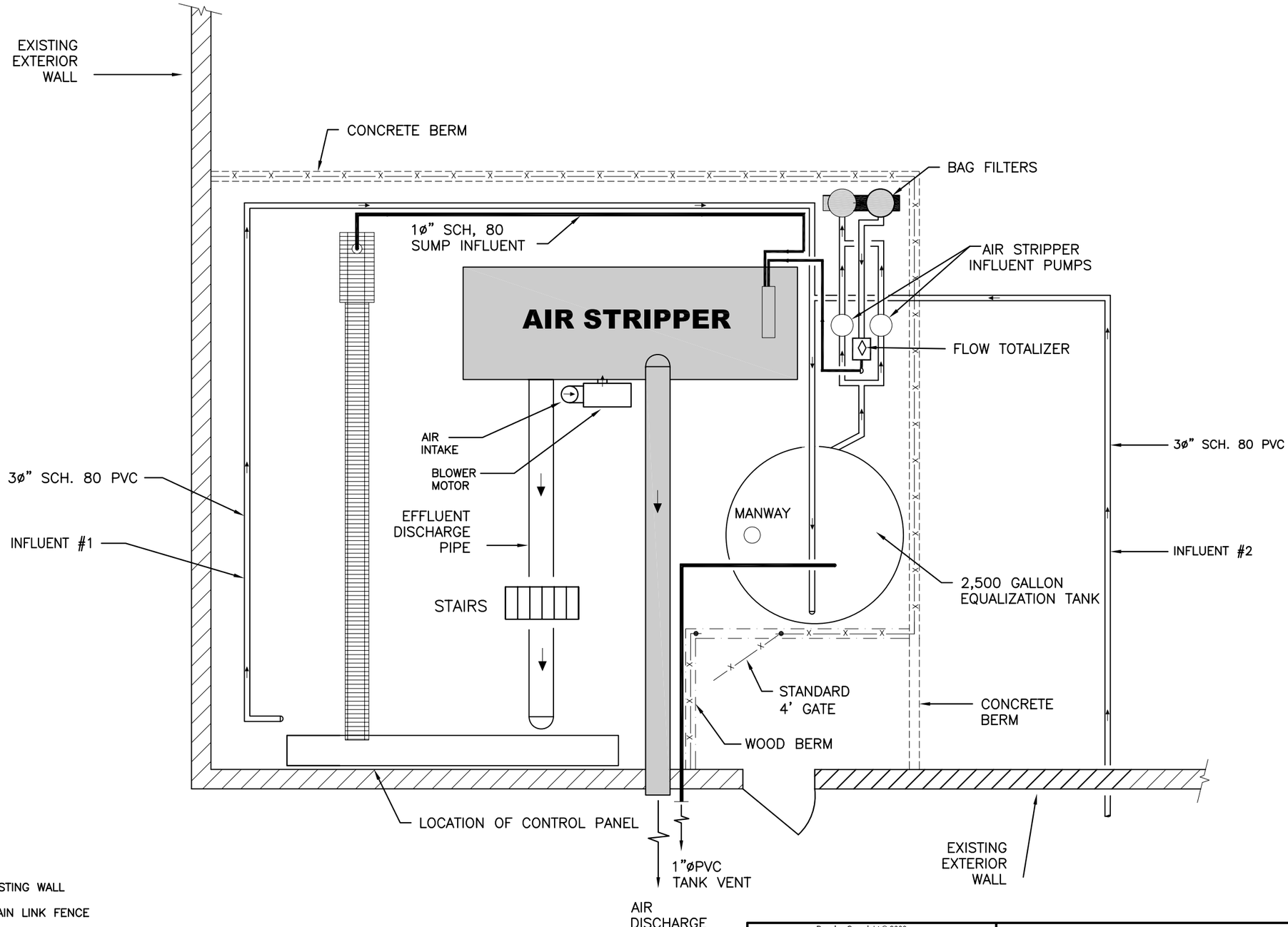
2200 BLEECKER STREET
UTICA, NEW YORK

PUMPING MANHOLE PLANS AND SECTIONS

PROJECT NO.: DANA 01-11

DATE: JANUARY 2014

FIGURE NO.: **6-3**



LEGEND

- EXISTING WALL
- X — CHAIN LINK FENCE
- CONCRETE BERM
- WOOD BERM

N

PLAN VIEW

NOT TO SCALE

CHA
441 South Salina Street · Syracuse, NY 13202-4712
Main: (315) 471-3920 · www.chacompanies.com

CHICAGO PNEUMATIC
UTICA, NEW YORK

GROUNDWATER TREATMENT SYSTEM
AS-BUILT DRAWING

PROJECT NO. 19247

DATE: 03/02/09

FIGURE 6-4

APPENDIX A
WEIGHT TICKETS & NON-HAZARDOUS MANIFESTS

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2745664
Date: 12/03/2015
Time: 11:25:50 - 13:52:09

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 14-0249

Origin: 74 / ONEIDA
Truck: PAR131
Comment:

Gross: 70700LBS
Tare: 26780LBS
Net: 43920LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	21.9600 Tons

Weighmaster: MORGAN 600822

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 14-0249 / 15-

2. Page 1 of

3. Generator's Name and Mailing Address: Utica Holding Company, 360 Erie Blvd East, Syracuse NY 13202

4. Generator's Phone (315) 849-0905

2200 Bleecker Street, Utica NY

5. Transporter 1 Company Name: Paragon Environmental Construction, Inc.

6. US EPA ID Number: NYR 000119289

A. State Transporter's ID

B. Transporter 1 Phone: (315) 699-0840

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID: 16122-TX

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Seneca Meadows Inc., 1786 Salcman Road, Waterloo NY 13165

10. US EPA ID Number: 50S08

E. State Facility's ID

F. Facility's Phone: (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	21.96	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a) Contaminated Soil

H. Handling Codes for Wastes Listed Above: a) L

15. Special Handling Instructions and Additional Information

File #: 4369 Approval #: 15-168

Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Utica Holding Co. | Signature | Date: Month 12 Day 3 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DAVID J CUTRONE | Signature | Date: Month 12 Day 3 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Kelly Eddy | Signature | Date: Month 12 Day 3 Year 15

NON-HAZARDOUS WASTE

140249 DB
633

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2745977
Date: 12/04/2015
Time: 07:13:16 - 09:16:45

Customer: 15PAR / PARAGON ENVIRONME

Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16

Cust Ref: 14-0249

Origin: 74 / ONEIDA
Truck: PAR633
Comment: LOAD FROM 12/3/15

Gross: 106660LBS
Tare: 45200LBS
Net: 61460LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	30.7300 Tons

Weighmaster: KRISTY

Driver:

633

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. N/A	Manifest Document No. 14-0249 15-	2. Page 1 of
3. Generator's Name and Mailing Address Utica Holding Company 360 Erie Blvd East Syracuse NY 13202		2200 Bleecker Street Utica NY	
4. Generator's Phone (315) 849-0905			
5. Transporter 1 Company Name Paragon Environmental Construction, Inc.	6. US EPA ID Number NYR 000119289	A. State Transporter's ID 19822TC B. Transporter 1 Phone (315) 699-0840	
7. Transporter 2 Company Name 633	8. US EPA ID Number	C. State Transporter's ID D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Seneca Meadows Inc. 1786 Salcman Road Waterloo NY 13165	10. US EPA ID Number 50S08	E. State Facility's ID F. Facility's Phone (315) 539-5624	

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	30.73	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above	H. Handling Codes for Wastes Listed Above
a) Contaminated Soil	a) L

140249 DB
633

15. Special Handling Instructions and Additional Information

File #: 4369 Approval #: 15-168

Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

On Behalf of Utica company

Printed/Typed Name	Signature	Date Month	Day	Year
Robert Creighton		12	3	15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
David Blackway		12	3	15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
Kristy Eddington		12	3	15

150249 cc
192

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2745687
Date: 12/03/2015
Time: 10:51:09 - 14:20:33

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 /.PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 14-0249

Origin: 74 / ONEIDA
Truck: PAR192
Comment:

Gross: 106000LBS
Tare: 46560LBS
Net: 59440LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	29.7200 Tons

Weighmaster: MORGAN 600822

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. ~~14-0249~~ N5-

2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315) 849-0905

2200 Bleecker Street
Utica NY

5. Transporter 1 Company Name
Paragon Environmental Construction, Inc.

6. US EPA ID Number
NYR 000119289

A. State Transporter's ID 40262 Tr
B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name
192

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number
50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	Est 30 29.72	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: AS Agent for Utica Holding Roger Creighton
Signature:
Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Chris Castiglia
Signature:
Date: Month 12 Day 3 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name:
Signature:
Date: Month Day Year

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2745629
Date: 12/03/2015
Time: 10:49:40 - 13:20:27

Customer: 15PAR / PARAGON ENVIRONME

Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16

Cust Ref: 14-0249

Origin: 74 / ONEIDA
Truck: PAR616
Comment:

Gross: 81960LBS
Tare: 31060LBS
Net: 50900LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	25.4500 Tons

Weighmaster: LYDIA 450104

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 14-0249 15- | 2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315) 849-0905

2200 Bleecker Street
Utica NY

5. Transporter 1 Company Name
Paragon Environmental Construction, Inc.

6. US EPA ID Number
NYR 000119289

A. State Transporter's ID 706440 MC
B. Transporter 1 Phone (315)699-0840

7. Transporter 2 Company Name 616

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number
50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	EST 20 25.45	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Utica Holding Co.	Jim Ayotte	12	3	15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jim Ayotte	Jim Ayotte	12	3	15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
		12	3	15

NON-HAZARDOUS WASTE

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2746109
Date: 12/04/2015
Time: 09:48:49 - 11:43:54

Customer: 15PAR / PARAGON ENVIRONME

Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16

Cust Ref: 14-0249

Origin: 74 / ONEIDA
Truck: PAR616
Comment:

Gross: 79420LBS
Tare: 31160LBS
Net: 48260LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	24.1300 Tons

Weighmaster: MORGAN 600822

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. ~~14-0249~~ 15- 2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

2200 Bleecker Street
Utica NY

4. Generator's Phone (315) 849-0905

5. Transporter 1 Company Name
Paragon Environmental Construction, Inc.

6. US EPA ID Number
NYR 000119289

A. State Transporter's ID 70640 MC
B. Transporter 1 Phone ~~(315) 699-0840~~

7. Transporter 2 Company Name
616

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number
50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	EST 20 24.13	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Utica Holding Co. | Signature: [signature] | Date: Month 12 Day 4 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jim Ayotte | Signature: [signature] | Date: Month 12 Day 4 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name | Signature | Date: Month Day Year

XC131

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2746110
Date: 12/04/2015
Time: 10:32:08 - 11:44:56

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 14-0249

Origin: 74 / ONEIDA
Truck: PAR131
Comment:

Gross: 68480LBS
Tare: 26800LBS
Net: 41680LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	20.8400 Tons

Weighmaster: MORGAN 600822

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 14-0249 15-

2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315) 849-0905

2200 Bleecker Street
Utica NY

5. Transporter 1 Company Name
Paragon Environmental Construction, Inc.

6. US EPA ID Number
NYR 000119289

A. State Transporter's ID
B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID 16122-T
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number
50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	20-84	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Utica Holding Co.		12 / 4 / 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
DAVID J CUTRONE		12 / 4 / 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)
		12 / 4 / 15

14-0249 CC
192

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2746159
Date: 12/04/2015
Time: 11:27:15 - 12:53:59

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 14-0249
Gross: 122840LBS
Tare: 46180LBS
Net: 76660LBS

Origin: 74 / ONEIDA
Truck: PAR192
Comment:

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	38.3300 Tons

Weighmaster: LYDIA 450104

Driver: EE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 14-0249 LS- | 2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315 849-0905)

2200 Bleecker Street
Utica NY

5. Transporter 1 Company Name: Paragon Environmental Construction, Inc.

6. US EPA ID Number: NYR 000119289

A. State Transporter's ID
B. Transporter 1 Phone (315) 699-0840
C. State Transporter's ID 40263 T-
D. Transporter 2 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Seneca Meadows Inc
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number: 50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	Est 30	T
b.			38.33	
c. 150249 CC (G2)				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Utica Holding | Signature | Date: Month 12 Day 4 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Chris Castiglia | Signature | Date: Month 12 Day 4 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name | Signature | Date: Month Day Year

140249 08
633

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2746295
Date: 12/04/2015
Time: 13:02:05 - 15:24:03

Customer: 15PAR / PARAGON ENVIRONME

Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16

Cust Ref: 14-0249

Origin: 74 / ONEIDA
Truck: PAR633
Comment:

Gross: 99040LBS
Tare: 46100LBS
Net: 52940LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	26.4700 Tons

Weighmaster: KRISTY

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 14-0249 15-

2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315 849-0905)

2200 Bleecker Street
Utica NY

5. Transporter 1 Company Name Paragon Environmental Construction, Inc.

6. US EPA ID Number NYR 000119289

A. State Transporter's ID

B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name CP3

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number 50S08

E. State Facility's ID

F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	ESTC 26.47	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L 140249 08 633

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Behalf of Utica Holding Company

Printed/Typed Name David Bradway | Signature | Date Month 12 Day 4 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name David Bradway | Signature | Date Month 12 Day 4 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name Kristy Gall | Signature | Date Month Day Year

NON-HAZARDOUS WASTE

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2746097
Date: 12/04/2015
Time: 09:46:15 - 11:30:00

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 14-0249
Gross: 69440LBS
Tare: 28980LBS
Net: 40460LBS
Origin: 74 / ONEIDA
Truck: PAR630
Comment:

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	20.2300 Tons

Weighmaster: MORGAN 600822
Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 14-0249 / 15- | 2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315) 849-0905

2200 Bleecker Street
Utica NY 13323-M6

5. Transporter 1 Company Name
Paragon Environmental Construction, Inc.

6. US EPA ID Number
NYR 000119289

A. State Transporter's ID
B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name
(630)

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number
50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	Est 20	T
b.			20.23	
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4389 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Utica Holding Co	Utica Holding Co	12	11	15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Sean Cullen		12	11	15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
		12	12	

NON-HAZARDOUS WASTE

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

******* Reprint Ticket *******

Ticket: 2746923
Date: 12/07/2015
Time: 09:59:21 - 10:59:20

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 15-0249
Gross: 69080LBS
Tare: 29120LBS
Net: 39960LBS
Origin: 74 / ONEIDA
Truck: PAR630
Comment:

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	19.9800 Tons

Weighmaster: KRISTY

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. [illegible]-0249 15- | 2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315 849-0905)

2200 Bleecker Street
Utica NY 13323-MG

5. Transporter 1 Company Name
Paragon Environmental Construction, Inc.

6. US EPA ID Number
NYR 000119289

A. State Transporter's ID
B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name
630

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number
50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	Est 20	T
b.			19.98	
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Utica Holding Co	[signature]	12	7	15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
[illegible]	[signature]	12	7	15

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name	Signature	Date Month	Day	Year

NON-HAZARDOUS WASTE

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2747121
Date: 12/07/2015
Time: 14:30:58 - 14:51:42

Customer: 15PAR / PARAGON ENVIRONME

Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16

Cust Ref: 15-0249

Origin: 74 / ONEIDA
Truck: PAR616
Comment:

Gross: 82440LBS
Tare: 30840LBS
Net: 51600LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	25.8000 Tons

Weighmaster: KRISTY

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. [illegible]-0249 15-

2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315) 849-0905

2200 Bleecker Street
Utica NY

5. Transporter 1 Company Name
Paragon Environmental Construction, Inc.

6. US EPA ID Number
NYR 000119289

A. State Transporter's ID 70640 MC
B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name
616

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number
50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

GENERATOR

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	EST 20 25.80	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Utica Holding Co.	Jim Ayotte	12	7	15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jim Ayotte	Jim Ayotte	12	7	15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
Morgan Wadhams	[signature]	12	7	15

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2746912
Date: 12/07/2015
Time: 10:23:19 - 10:52:00

Customer: 15PAR / PARAGON ENVIRONME

Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 15-0249

Origin: 74 / ONEIDA
Truck: PAR616
Comment:

Gross: 87140LBS
Tare: 31140LBS
Net: 56000LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	28.0000 Tons

Weighmaster: KRISTY

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. -0249 15-

2. Page 1 of

3. Generator's Name and Mailing Address: Utica Holding Company, 360 Erie Blvd East, Syracuse NY 13202

4. Generator's Phone (315 849-0905)

2200 Bleecker Street, Utica NY

5. Transporter 1 Company Name: Paragon Environmental Construction, Inc.

6. US EPA ID Number: NYR 000119289

A. State Transporter's ID 70640 MC

B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name 616

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Seneca Meadows Inc., 1786 Salcman Road, Waterloo NY 13165

10. US EPA ID Number 50S08

E. State Facility's ID

F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	EST 20 2800	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

a) Contaminated Soil

H. Handling Codes for Wastes Listed Above

a) L

15. Special Handling Instructions and Additional Information

File #: 4369 Approval #: 15-168

Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Utica Holding Co.	James Ayotte	12	7	15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
James Ayotte	James J. Ayotte	12	7	15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
		12	7	15

NON-HAZARDOUS WASTE

DC
#131
150249

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2746948
Date: 12/07/2015
Time: 10:48:03 - 11:28:57

Customer: 15PAR / PARAGON ENVIRONME

Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 15-0249

Origin: 74 / ONEIDA
Truck: PAR131
Comment:

Gross: 72500LBS
Tare: 26700LBS
Net: 45800LBS

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	22.9000 Tons

Weighmaster: MORGAN 600822

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. [illegible]-0249 15- | 2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315) 849-0905

2200 Bleecker Street
Utica NY

5. Transporter 1 Company Name: Paragon Environmental Construction, Inc.

6. US EPA ID Number: NYR 000119289

A. State Transporter's ID
B. Transporter 1 Phone: ~~(315) 699-0840~~ (613) 354

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number: 50S08

E. State Facility's ID
F. Facility's Phone: (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	22.90	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: UTICA Holding Co. | Signature | Date: Month 12 Day 7 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID J CUTRONE | Signature | Date: Month 12 Day 7 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.
Printed/Typed Name | Signature | Date: Month Day Year

NON-HAZARDOUS WASTE

12/3/08

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2746926
Date: 12/07/2015
Time: 10:24:34 - 11:03:35

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 15-0249

Gross: 106160LBS
Tare: 45520LBS
Net: 60640LBS

Origin: 74 / ONEIDA
Truck: PAR633
Comment:

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	30.3200 Tons

Weighmaster: KRISTY

Driver:

150249 6330

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 15-0249

2. Page 1 of

3. Generator's Name and Mailing Address: Utica Holding Company, 360 Erie Blvd East, Syracuse NY 13202

4. Generator's Phone (315 849-0905)

2200 Bleecker Street, Utica NY

5. Transporter 1 Company Name: Paragon Environmental Construction, Inc.

6. US EPA ID Number: NYR 000119289

A. State Transporter's ID (315) 699-0840

B. Transporter 1 Phone 19822 TG

7. Transporter 2 Company Name 633

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Seneca Meadows Inc., 1786 Salcman Road, Waterloo NY 13165

10. US EPA ID Number 50S08

E. State Facility's ID

F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	Est 30 30 32	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a) Contaminated Soil

H. Handling Codes for Wastes Listed Above: a) L

15. Special Handling Instructions and Additional Information

File #: 4369 Approval #: 15-168

Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

On Behalf of Utica Holding Company

Printed/Typed Name	Signature	Date Month	Day	Year
David Blackway		12	7	15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
David Blackway		12	7	15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name	Signature	Date Month	Day	Year

NON-HAZARDOUS WASTE

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2747486
Date: 12/08/2015
Time: 07:59:56 - 11:17:40

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 /,PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 15-0249
Gross: 64280LBS
Tare: 29180LBS
Net: 35100LBS

Origin: 74 / ONEIDA
Truck: PAR630
Comment:

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	17.5500 Tons

Weighmaster: MORGAN 600822

Driver:

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 14-0249 15- | 2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315) 849-0905

2200 Bleecker Street
Utica NY 13323-M6

5. Transporter 1 Company Name
Paragon Environmental Construction, Inc.

6. US EPA ID Number
NYR 000119289

A. State Transporter's ID
B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name
630

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number
50S08

E. State Facility's ID
F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	Est 20	T
b.			17.55	
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

NON-HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Utica Holding Co | Signature | Date Month 12 Day 7 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Sean Callan | Signature | Date Month 12 Day 7 Year 15

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name | Signature | Date Month Day Year

15249 DB
633 last load

Seneca Meadows, Inc.
1786 Salcman Rd.
Waterloo, NY 13165
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 2747496
Date: 12/08/2015
Time: 07:58:28 - 11:24:45

Customer: 15PAR / PARAGON ENVIRONME
Carrier: 7426 / PARAGON ENVIRONMEN
Profile: 2015-168-15PAR / 15PAR-2015-16
Cust Ref: 15-0249
Gross: 76180LBS
Tare: 44220LBS
Net: 31960LBS

Origin: 74 / ONEIDA
Truck: PAR633
Comment:

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	15.9800 Tons

Weighmaster: MORGAN 600822

Driver: _____

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NA

Manifest Document No. -0249 15-

2. Page 1 of

3. Generator's Name and Mailing Address
Utica Holding Company
360 Erie Blvd East
Syracuse NY 13202

4. Generator's Phone (315 849-0905)

2200 Bleecker Street
Utica NY

5. Transporter 1 Company Name: Paragon Environmental Construction, Inc.

6. US EPA ID Number: NYR 000119289

A. State Transporter's ID

B. Transporter 1 Phone (315) 699-0840

7. Transporter 2 Company Name 633

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Seneca Meadows Inc.
1786 Salcman Road
Waterloo NY 13165

10. US EPA ID Number 50S08

E. State Facility's ID

F. Facility's Phone (315) 539-5624

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA Non DOT Regulated Material	1	DT	EST 30 15 98	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Contaminated Soil

H. Handling Codes for Wastes Listed Above
a) L

15. Special Handling Instructions and Additional Information
File #: 4369 Approval #: 15-168
Emergency Contact: Paragon Environmental Construction, Inc. @ 315-699-0840

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

on Behalf of Utica Holding Company

Printed/Typed Name: David Brock | Signature | Date: Month 12 Day 8 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: David Blockway | Signature | Date: Month 12 Day 8 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name | Signature | Date: Month 12 Day 28 Year 15

APPENDIX B
SITE INSPECTION REPORTS – FORM A

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 1/23/2015

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	GOOD	
B	General Property Drainage	Snow Covered	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Snow Covered	
B	Ditches		
C	Culverts		
D	Perimeter Fence	Gates ✓	
E	Utilities	Elec. ✓ Phone ✓	
3 Containment Cell			
A	Surface Cover System	Burrows _____ Vegetation_____	
B	Gas Vents (2)		
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
C	Collection Pipe / Cleanout	Drip	
D	Perimeter Drains (4)	No Flow	
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	
B	Pumps and Plumbing	Pump 1 Hours 437.6 Pump 2 Hours 223.6	
B'	Pump Changeover	(Y or N) Lead Pump _____ Lag Pump_____	
B"	Test Automatic Pump Controls	LSHH_____, LSH ____, LSL ____, LSLL _____	
C	Electrical Components	Test Pumps (Y or N) Light Bulbs_____	
D	Manhole Interstitial Space	No Inspected	
E	Conveyance Pipe	Drip	
F	Influent Pipe		
G	Confined Space Entry	(Y or N) (see Form B)	

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 1/23/15

Category	Inspected	Observation/Condition	✓
5 Building			
A	Structure	Lock ✓, Vent ✓, Heater ✓	✓
B	Electrical and Telephone	Elec ✓ Phone ✓	✓
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form F)	✓
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N)	✓
A'	Flow Totalizer	Reading = 865 00 gal.	✓
B	Secondary Containment	Liquid (Y or N)	✓
C	Piping Components		✓
D	Electrical Components	Lock ✓ Light Bulbs ✓	✓
E	Leachate Sampling	(Y or N) (see Form C)	✓

Additional Comments:

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 2/20/2015

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	Good	✓
B	General Property Drainage	Snow Covered	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows ____ Vegetation____	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or (N)) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External___ Internal___	✓
B	Pumps and Plumbing	Pump 1 Hours ____ Pump 2 Hours 223.6	✓
B'	Pump Changeover	(Y or (N)) Lead Pump ~~13~~ 16 Lag Pump____	✓
B"	Test Automatic Pump Controls	LSHH____, LSH ____, LSL ____, LSLL ____	✓
C	Electrical Components	Test Pumps (Y or (N)) Light Bulbs____	✓
D	Manhole Interstitial Space		✓
E	Conveyance Pipe		✓
F	Influent Pipe		✓
G	Confined Space Entry	(Y or (N)) (see Form B)	✓

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 2/20/2015

Category		Inspected	Observation/Condition	✓
5	**Building**			
A	Structure		Lock /, Vent /, Heater /	
B	Electrical and Telephone		Elec / Phone	
C	Auto Dialer and Controls		Test Functions (Y or N) (see Form F)	
6	**Leachate Storage System**			
A	Tank (External)		Internal (Y or N)	
A'	Flow Totalizer		Reading = 868 00 gal.	
B	Secondary Containment		Liquid (Y or N)	
C	Piping Components			
D	Electrical Components		Lock____ Light Bulbs____	
E	Leachate Sampling		(Y or N) (see Form C)	

Additional Comments:

synapse

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 3/19/2015

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	Good	✓
B	General Property Drainage	Snow Covered	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Snow Covered	✓
B	Ditches	Snow Covered	✓
C	Culverts	No Flow	✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows ✓ Vegetation ✓	✓
B	Gas Vents (2)	Good Condition	✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)	No Inspected	✓
4 Leachate Collection Manhole			
A	Structure	External___ Internal___ Not Inspected	✓
B	Pumps and Plumbing	Pump 1 Hours 1378 Pump 2 Hours 2231.6	✓
B'	Pump Changeover	(Y or N) Lead Pump _____ Lag Pump_____	✓
B"	Test Automatic Pump Controls	LSHH_____, LSH _____, LSL _____, LSLL _____	✓
C	Electrical Components	Test Pumps (Y or N), Light Bulbs ✓	✓
D	Manhole Interstitial Space	OK	✓
E	Conveyance Pipe	OK	✓
F	Influent Pipe	Drip	✓
G	Confined Space Entry	(Y or N) (see Form B)	✓

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 3/19/2015

Category		Inspected	Observation/Condition	✓
5	**Building**			
A	Structure		Lock ✓, Vent ✓, Heater ✓	✓
B	Electrical and Telephone		Elec ✓ Phone ✓	✓
C	Auto Dialer and Controls		Test Functions (Y or N) (see Form F)	✓
6	**Leachate Storage System**			
A	Tank (External)		Internal (Y or N)	✓
A'	Flow Totalizer		Reading = 868 00 gal.	✓
B	Secondary Containment		Liquid (Y or N)	✓
C	Piping Components			✓
D	Electrical Components		Lock ✓ Light Bulbs ✓	✓
E	Leachate Sampling		(Y or N) (see Form C)	✓

Additional Comments:

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 4/25/2015

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	Good	✓
B	General Property Drainage	Good	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Good / Clear	✓
B	Ditches	Moderate Flow	✓
C	Culverts	Flow	✓
D	Perimeter Fence	Gates /	✓
E	Utilities	Elec. / Phone /	✓
3 Containment Cell			
A	Surface Cover System	Burrows ____ Vegetation____	✓
B	Gas Vents (2)	Good	✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)	Flow	✓
4 Leachate Collection Manhole			
A	Structure	External / Internal___ Not Inspected	✓
B	Pumps and Plumbing	Pump 1 Hours 437.8 Pump 2 Hours 223.8	✓
B'	Pump Changeover	(Y or N) Lead Pump 1 Lag Pump 2	✓
B"	Test Automatic Pump Controls	LSHH____, LSH ____, LSL ____, LSLL ____	✓
C	Electrical Components	Test Pumps (Y or N), Light Bulbs____	✓
D	Manhole Interstitial Space	No Water / OK	✓
E	Conveyance Pipe		✓
F	Influent Pipe	Drip	✓
G	Confined Space Entry	(Y or N) (see Form B)	✓

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: 4/25/2015 Date: R. Creighton

Category		Inspected	Observation/Condition	✓
5	**Building**			
A	Structure		Lock ✓, Vent ✓, Heater ✓	
B	Electrical and Telephone		Elec ✓ Phone ✓	
C	Auto Dialer and Controls		Test Functions (Y or N) (see Form F)	
6	**Leachate Storage System**			
A	Tank (External)		Internal (Y or N)	
A'	Flow Totalizer		Reading = 871 00 gal.	
B	Secondary Containment		Liquid (Y or N)	
C	Piping Components			
D	Electrical Components		Lock____ Light Bulbs____	
E	Leachate Sampling		(Y or N) (see Form C)	

Additional Comments:

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: FISHER + CREIGHTON Date: 6/23/15

Category	Inspected	Observation/Condition	√
1 General Property			
A	General Property Access	OK	✓
B	General Property Drainage		✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads	OK	✓
B	Ditches	VEGETATED	✓
C	Culverts		✓
D	Perimeter Fence	Gates A	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows ____ Vegetation ✓ MOWED	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 456 Pump 2 Hours 223	✓
B'	Pump Changeover	(Y or N) Lead Pump 1 Lag Pump 2	✓
B"	Test Automatic Pump Controls	LSHH____, LSH ✓, LSL ✓, LSLL ✓	✓
C	Electrical Components	Test Pumps (Y or N), Light Bulbs ✓ #2 Pump NG	✓
D	Manhole Interstitial Space	2"	✓
E	Conveyance Pipe		✓
F	Influent Pipe	DRIP	✓
G	Confined Space Entry	(Y or N) (see Form B)	✓

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: FISHER + CREIGHTON Date: 6/23/15

Category		Inspected	Observation/Condition	√
5	**Building**			
	A	Structure	Lock ✓, Vent ✓, Heater OFF	✓
	B	Electrical and Telephone	Elec ✓ Phone ✓	✓
	C	Auto Dialer and Controls	Test Functions (Y or N) (see Form F)	✓
6	**Leachate Storage System**			
	A	Tank (External)	Internal (Y or N)	✓
	A'	Flow Totalizer	Reading = 87400 gal.	✓
	B	Secondary Containment	Liquid (Y or N)	✓
	C	Piping Components	NEED INSULATION REPAIR	✓
	D	Electrical Components	Lock ✓ Light Bulbs ✓	✓
	E	Leachate Sampling	(Y or N) (see Form C)	✓

Additional Comments:

- TESTED PUMP #2 CONTROLS - OK; PUMP HUMS BUT DOES NOT TURN.

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 7/20/2015

Category	Inspected	Observation/Condition	√
1 General Property			
A	General Property Access	Good	✓
B	General Property Drainage	Good	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Good	✓
B	Ditches	Recently Mowed	✓
C	Culverts	Clear	✓
D	Perimeter Fence	Gates____	✓
E	Utilities	Elec.____ Phone____	✓
3 Containment Cell			
A	Surface Cover System	Burrows 2 Vegetation ✓	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or (N)) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)	No Flow	✓
4 Leachate Collection Manhole			
A	Structure	External___ Internal___	✓
B	Pumps and Plumbing	Pump 1 Hours 4564.3 Pump 2 Hours 7233.6	✓
B'	Pump Changeover	(Y or (N)) Lead Pump _____ Lag Pump_____	✓
B"	Test Automatic Pump Controls	LSHH_____, LSH _____, LSL _____, LSLL _____	✓
C	Electrical Components	Test Pumps (Y or (N)) Light Bulbs_____	✓
D	Manhole Interstitial Space		✓
E	Conveyance Pipe		✓
F	Influent Pipe		✓
G	Confined Space Entry	(Y or (N)) (see Form B)	✓

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 7/20/2015

Category	Inspected	Observation/Condition	√
5 Building			
A	Structure	Lock___, Vent____, Heater____	✓
B	Electrical and Telephone	Elec____ Phone_____	✓
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form F)	✓
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N)	✓
A'	Flow Totalizer	Reading = 87500 gal.	✓
B	Secondary Containment	Liquid (Y or N)	✓
C	Piping Components		✓
D	Electrical Components	Lock____ Light Bulbs____	✓
E	Leachate Sampling	(Y or N) (see Form C)	✓

Additional Comments:

Met with Rick Tuffi Tree service about quote for perimeter Tree & brush work.

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton / P. Fisher Date: 8/12/2015

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	GOOD	
B	General Property Drainage	~~SPDES Outfall (001~~ 002 003)	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	GOOD / Trees removed from Fence	
B	Ditches	GOOD	
C	Culverts	GOOD	
D	Perimeter Fence	Gates 1	
E	Utilities	Elec. 1 Phone 1	
3 Containment Cell			
A	Surface Cover System	Burrows 2 Vegetation 1	
B	Gas Vents (2)		
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
C	Collection Pipe / Cleanout	Drip	
D	Perimeter Drains (4)	No Flow	
4 Leachate Collection Manhole			
A	Structure	External___ Internal___	
B	Pumps and Plumbing	Pump 1 Hours 456.4 Pump 2 Hours 223.6	
B'	Pump Changeover	(Y or N) Lead Pump 1 Lag Pump 2 8/12/15 - 0.00 Pump Replaced	
B"	Test Automatic Pump Controls	LSHH_____, LSH _____, LSL _____, LSLL _____	
C	Electrical Components	Test Pumps (Y or N), Light Bulbs_____	
D	Manhole Interstitial Space		
E	Conveyance Pipe		
F	Influent Pipe		
G	Confined Space Entry	(Y or N) (see Form B)	

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton / P. Fisher Date: 8/12/2015

Category		Inspected	Observation/Condition	✓
5	**Building**			
	A	Structure	Lock /, Vent /, Heater /	/
	B	Electrical and Telephone	Elec / Phone /	/
	C	Auto Dialer and Controls	Test Functions (Y) or N) (see Form F)	/
6	**Leachate Storage System**			
	A	Tank (External)	Internal (Y) or N)	/
	A'	Flow Totalizer	Reading = 378 00 gal.	/
	B	Secondary Containment	Liquid (Y or (N))	/
	C	Piping Components		/
	D	Electrical Components	Lock____ Light Bulbs____	/
	E	Leachate Sampling	(Y or (N)) (see Form C) LT-17 Discharge	/

Additional Comments:

1. Lag Pump Replacement, change over to Lead
2. Totalizer & Remote meter Replacement
3. Call Rick Turk Tree Service regarding Tree work.
4. LT-17 Discharge to OCSD. 3,900 gallons

CONFINED SPACE ENTRY PERMIT (FORM B)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton / P. Fisher Date: 8/12/2015

TO BE COMPLETED BY PROJECT MANAGER **POST OUTSIDE SPACE**

LOCATION OF WORK (Manhole): RAF Leachate Collection Manhole

HAZARDS IN THIS CONFINED SPACE: None

DESCRIPTION OF WORK: LAG Pump Replacement

HAZARDS CREATED BY WORK TO BE DONE:

OBSERVER: P. Fisher ENTRY LEADER: R. Creighton

EMPLOYEES ASSIGNED: J. Fisher

ENTRY DATE: 8/12/2015 ENTRY TIME: 9:30 EXIT TIME: 11:30

OUTSIDE CONTRACTORS WORKING IN AREA:

1. Have all employees who will enter this space or act as standby received the following approvals and training: (CIRCLE ANSWER)
   - (Yes) No a. Medical clearance within the past year.
   - (Yes) No b. Training in confined space entry.
   - (Yes) No c. Job emergency procedures have been reviewed with all employees involved.
   - (Yes) No d. Completed rescue drill for this type of confined space.

2. Equipment identified by checks (✓) in boxes will be available at entrance for emergencies. Equipment identified by (X) in boxes will be used by personnel in space.

☐	☐	1. 30-min. SCBA	☐	☐	16. Fresh Air Blower and Hose
☐	☐	2. 15-min. SCBA	☐	☐	17. LEL-O_2 Monitor-Alarm
☐	☐	3. Other Respirator _____	☐	☐	18. Toxic Gas Colorimetric Tubes
☐	☐	4. 2-Way Radios	☐	☐	19. Toxic Gas Air Monitor
☐	☐	5. Tether - Life Lines	☐	☐	20. Hard Hats
☐	☐	6. Harness - Safety Belt	☑	☐	21. Safety Shoes
☐	☐	7. Wristlets	☑	☐	22. Safety Glasses
☐	☐	8. Fall Device for Tether	☐	☐	23. Full Face Shields
☐	☐	9. Rolling Body Board (Creeper)	☐	☐	24. Chemical Protective Arm Covers
☐	☐	10. Ladder	☐	☐	25. Full Chemical Protective Suit
☑	☐	11. Ladder Extensions	☐	☐	26. Chemical Protective Gloves
☐	☐	12. Barricades for All Openings	☐	☐	27. Chemical Protective Boots
☐	☐	13. Tripod or Other Lifting Device	☐	☐	28. Emergency Lights/Flashlights
☑	☐	14. Opening Device for Covers	☐	☑	29. Fire Extinguisher
☑	☐	15. Device to Lock Covers Open	☑	☐	30. Pre-Entry H&S Briefing
			☑	☐	31. Stand-By Employee(s)

3. All lines that could discharge contaminants into the space have been/will be blanked off or line disconnected and pumping means locked out and tagged. *Yes* ____ *No* ✓ *N/A*

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 9/16/2015

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	Good	
B	General Property Drainage	Good	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Good	
B	Ditches	No Flow	
C	Culverts	Good	
D	Perimeter Fence	Gates ✓	
E	Utilities	Elec. ✓ Phone ✓	
3 Containment Cell			
A	Surface Cover System	Burrows 1 Vegetation_____	
B	Gas Vents (2)		
B'	PID Readings	(Y or (N)) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
C	Collection Pipe / Cleanout		
D	Perimeter Drains (4)	No Flow	
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	
B	Pumps and Plumbing	Pump 1 Hours 456.5 Pump 2 Hours 223.6	
B'	Pump Changeover	(Y or (N)) Lead Pump _____ Lag Pump_____	
B"	Test Automatic Pump Controls	LSHH_____, LSH _____, LSL _____, LSLL _____	
C	Electrical Components	Test Pumps (Y or (N)), Light Bulbs_____	
D	Manhole Interstitial Space		
E	Conveyance Pipe		
F	Influent Pipe		
G	Confined Space Entry	(Y or (N)) (see Form B)	

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 9/16/2015

Category	Inspected	Observation/Condition	✓
5 Building			
A	Structure	Lock /, Vent /, Heater /	
B	Electrical and Telephone	Elec / Phone /	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form F)	
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N)	
A'	Flow Totalizer	Reading = _____00 gal. Totalizer Not Functioning	
B	Secondary Containment	Liquid (Y or N)	
C	Piping Components		
D	Electrical Components	Lock____ Light Bulbs____	
E	Leachate Sampling	(Y or N) (see Form C)	

Additional Comments:

1) Totalizer Not Functioning
MVR-700 Mudler Systems
5-Wheel plus 1 wheel

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 10/1/2015

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	GOOD	
B	General Property Drainage	GOOD	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	GOOD	
B	Ditches		
C	Culverts		
D	Perimeter Fence	Gates /	
E	Utilities	Elec. / Phone /	
3 Containment Cell			
A	Surface Cover System	Burrows 1 Vegetation_____	
B	Gas Vents (2)		
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
C	Collection Pipe / Cleanout	Not Viewed	
D	Perimeter Drains (4)	No Flow	
4 Leachate Collection Manhole			
A	Structure	External / Internal___	
B	Pumps and Plumbing	Pump 1 Hours 456.5 Pump 2 Hours 223.6	
B'	Pump Changeover	(Y or N) Lead Pump 1 Lag Pump_____	
B"	Test Automatic Pump Controls	LSHH_____, LSH _____, LSL _____, LSLL _____	
C	Electrical Components	Test Pumps (Y or N), Light Bulbs_____	
D	Manhole Interstitial Space	Not Inspected	
E	Conveyance Pipe	Drip	
F	Influent Pipe		
G	Confined Space Entry	(Y or N) (see Form B)	

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 10/1/2015

Category		Inspected	Observation/Condition	✓
5	**Building**			
A	Structure		Lock /, Vent /, Heater /	/
B	Electrical and Telephone		Elec /, Phone /	/
C	Auto Dialer and Controls		Test Functions (Y or N) (see Form F)	/
6	**Leachate Storage System**			
A	Tank (External)		Internal (Y or N)	/
A'	Flow Totalizer		Reading = 899,00 gal. Estimated	/
B	Secondary Containment		Liquid (Y or N)	/
C	Piping Components			/
D	Electrical Components		Lock____ Light Bulbs____	/
E	Leachate Sampling		(Y or N) (see Form C)	/

Additional Comments:

1) onsite Reset Fan Nos. 4 & 6
2) To photograph Flow totalizer to determine issue with contacting internal magnets.

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 11/22/2015

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	Good	
B	General Property Drainage	Good	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Good	
B	Ditches	Flow	
C	Culverts	Clear	
D	Perimeter Fence	Gates /	
E	Utilities	Elec. / Phone /	
3 Containment Cell			
A	Surface Cover System	Burrows 1 Vegetation	
B	Gas Vents (2)		
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
C	Collection Pipe / Cleanout		
D	Perimeter Drains (4)	No Flow	
4 Leachate Collection Manhole			
A	Structure	External / Internal / Good	
B	Pumps and Plumbing	Pump 1 Hours 156.7 Pump 2 Hours 223.6	
B'	Pump Changeover	(Y or N) Lead Pump 1 Lag Pump 2	
B"	Test Automatic Pump Controls	LSHH ____, LSH ____, LSL ____, LSLL ____	
C	Electrical Components	Test Pumps (Y or N), Light Bulbs 1	
D	Manhole Interstitial Space	No Water	
E	Conveyance Pipe		
F	Influent Pipe	D/I P	
G	Confined Space Entry	(Y or N) (see Form B)	

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 11/22/2015

Category	Inspected	Observation/Condition	✓
5 Building			
A	Structure	Lock___, Vent___, Heater Off	
B	Electrical and Telephone	Elec ✓ Phone ✓	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form F)	
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N)	
A'	Flow Totalizer	Reading = 87800 00 gal. Estimated	
B	Secondary Containment	Liquid (Y or N)	
C	Piping Components		
D	Electrical Components	Lock ✓ Light Bulbs ✓	
E	Leachate Sampling	(Y or N) (see Form C)	

Additional Comments: Turn Tank Belly pads on!

synapse

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: CREIGHTON + FISHER Date: 12-2-15

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	FLOWING GOOD	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches	OPEN + RESENTLY CLEARED	✓
C	Culverts	OPEN + FLOWING	✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows 2 Vegetation ✓ GOOD	✓
B	Gas Vents (2)	OPEN	✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)	NEED REPLACE MARKERS; 3 OF 4	✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 456.5 Pump 2 Hours 224.4	✓
B'	Pump Changeover	(Y or N) NEW Lead Pump 1 Lag Pump 2	✓
B"	Test Automatic Pump Controls	LSHH ✓, LSH ✓, LSL ✓, LSLL ✓	✓
C	Electrical Components	Test Pumps (Y or N), Light Bulbs_____	✓
D	Manhole Interstitial Space		✓
E	Conveyance Pipe		✓
F	Influent Pipe		✓
G	Confined Space Entry	(Y or N) (see Form B)	✓

RAF MONTHLY INSPECTION REPORT (FORM A)
OPERATION, MAINTENANCE AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: CREIGHTON FISHER Date: 12-2-15

Category		Inspected	Observation/Condition	✓
5	**Building**			
A	Structure		Lock ✓, Vent ~~Close~~ Heater ON	✓
B	Electrical and Telephone		Elec ✓ Phone ✓	✓
C	Auto Dialer and Controls		Test Functions (Y or N) (see Form F)	✓
6	**Leachate Storage System**			
A	Tank (External)		Internal (Y or N)	✓
A'	Flow Totalizer		Reading = 887 00 gal. Estimated CHANGE REMOTE READER	✓
B	Secondary Containment		Liquid (Y or N)	✓
C	Piping Components			✓
D	Electrical Components		Lock ✓ Light Bulbs ✓	✓
E	Leachate Sampling		(Y or N) (see Form C)	✓

Additional Comments:

APPENDIX C
AUTO DIALER ALARM INCIDENT AND TESTING REPORT - FORM F

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

AUTO DIALER ALARM INCIDENT AND TESTING REPORT (FORM F - 1)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Remedial Action Facility

Synapse Representative: FISHER & CREIGHTON Received Alarm: Y or N

Test Alarm: Y or N Date: 6/23/15 Date and Time: _____;_____

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
0	Tank Level (Inches)		Measured: 59½"; Reading: 67.3
1	Tank High Level (100%)		OK
2	Tank Leak		OK
3	Tank 90% Full		
4	High Manhole Level		OK 2"
5	Manhole Leak		OK 2"
6	Pipe Leak		
7	Tank Low Temperature		
8	Inside Temperature		65.5° / TERMO 65°
9	Outside Temperature		63.8°
10-21	SSDS		See Form F - 2
22	Power Off		OK

Reason for Alarm: _____

Action Taken: _____

Comments: _____

_____

_____

_____

_____

synapse

AUTO DIALER ALARM INCIDENT AND TESTING REPORT (FORM F - 2)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sub-Slab Depressurization System

Synapse Representative: FISHER + CREIGHTON Received Alarm: Y or N

Test Alarm: Y or N Date: 6/24/15 Date and Time: _____;_____

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
10	Fan #1 Off	OFF	Restart @ 12:15 6/24/15
11	Fan #2 Off		
12	Fan #3 Off		
13	Fan #4 Off		
14	Fan #5 Off		
15	Fan #6 Off	OFF	Restart @ 12:20 6/24/15
16	Vacuum #1 Low		
17	Vacuum #2 Low		
18	Vacuum #3 Low		
19	Vacuum #4 Low		
20	Vacuum #5 Low		
21	Vacuum #6 Low		

Note: #1 = SW Zone; #2 = NW Zone; #3 = SE Zone; #4 = NE Zone; #5 = W Center Zone; #6 = E Center Zone

Reason for Alarm: _____

Action Taken: _____

Comments: _____

_____

_____

_____

synapse

AUTO DIALER ALARM INCIDENT AND TESTING REPORT (FORM F - 1)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Remedial Action Facility

Synapse Representative: R. Creighton Received Alarm: (Y) or N

Test Alarm: Y or N Date: 8/3/2015 Date and Time: 8/3/2015 ; 6:65 AM

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
0	Tank Level (Inches)		Measured:_____; Reading:_____
1	Tank High Level (100%)		
2	Tank Leak		
3	Tank 90% Full		
4	High Manhole Level		
5	Manhole Leak		
6	Pipe Leak		
7	Tank Low Temperature		
8	Inside Temperature		
9	Outside Temperature	✓	
10-21	SSDS		See Form F - 2
22	Power Off		

Reason for Alarm: _____

Action Taken: _____

Comments: _____

_____

_____

_____

_____

synapse

AUTO DIALER ALARM INCIDENT AND TESTING REPORT (FORM F - 2)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sub-Slab Depressurization System

Synapse Representative: R. Creighton Received Alarm: (Y) or N

Test Alarm: Y or N Date: 8/3/2015 Date and Time: 8/3/2015 ; 6:05AM

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
10	Fan #1 Off	✓	Stopped Running
11	Fan #2 Off		
12	Fan #3 Off		
13	Fan #4 Off	✓	Stopped Running
14	Fan #5 Off		
15	Fan #6 Off	✓	Stopped Running
16	Vacuum #1 Low		
17	Vacuum #2 Low		
18	Vacuum #3 Low		
19	Vacuum #4 Low		
20	Vacuum #5 Low		
21	Vacuum #6 Low		

Note: #1 = SW Zone; #2 = NW Zone; #3 = SE Zone; #4 = NE Zone; #5 = W Center Zone; #6 = E Center Zone

Reason for Alarm: Possible Power Surge or loss

Action Taken: Restarted Fan Nos. 1, 4 & 6 on 8/4/2015 @ 9:05AM

Comments: Continue to Monitor

synapse

AUTO DIALER ALARM INCIDENT AND TESTING REPORT (FORM F - 1)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Remedial Action Facility

Synapse Representative: R. Creighton Received Alarm: (Y) or N

Test Alarm: Y or (N) Date: 10/1/2015 Date and Time: 9/27/15 ; 10:30 AM

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
0	Tank Level (Inches)		Measured:_____; Reading:_____
1	Tank High Level (100%)		
2	Tank Leak		
3	Tank 90% Full		
4	High Manhole Level		
5	Manhole Leak		
6	Pipe Leak		
7	Tank Low Temperature		
8	Inside Temperature		
9	Outside Temperature	✓	
10-21	SSDS		See Form F - 2
22	Power Off		

Reason for Alarm: Power Failure

Action Taken: _____

Comments: _____

synapse

AUTO DIALER ALARM INCIDENT AND TESTING REPORT (FORM F - 2)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sub-Slab Depressurization System

Synapse Representative: R. Crowlton Received Alarm: (Y) or N

Test Alarm: Y or (N) Date: 10/1/2015 Date and Time: 9/27/15 ; 10:30 AM

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
10	Fan #1 Off	✓	Fan off | Restart 10/1/15 10:29
11	Fan #2 Off		
12	Fan #3 Off		
13	Fan #4 Off	✓	Fan off | Restart 10/1/15 10:30
14	Fan #5 Off		
15	Fan #6 Off	✓	Fan off | Restart 10/1/15 10:32
16	Vacuum #1 Low		
17	Vacuum #2 Low		
18	Vacuum #3 Low		
19	Vacuum #4 Low		
20	Vacuum #5 Low		
21	Vacuum #6 Low		

Note: #1 = SW Zone; #2 = NW Zone; #3 = SE Zone; #4 = NE Zone; #5 = W Center Zone; #6 = E Center Zone

Reason for Alarm: _____

Action Taken: Restart Fan Nos 4 & 6

Comments: Access to the roof was not available until 10/1/2015 due to locked Roof Door, No Response from 2200 Bleecker until 9/30/2015.

synapse

AUTO DIALER ALARM INCIDENT AND TESTING REPORT (FORM F - 1)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Remedial Action Facility

Synapse Representative: R Creighton Received Alarm: Y or N

Test Alarm: Y or N Date: 11/20/2015 Date and Time: 11/20/15 ; 6:25 AM

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
0	Tank Level (Inches)		Measured:_____; Reading:_____
1	Tank High Level (100%)		
2	Tank Leak		
3	Tank 90% Full		
4	High Manhole Level		
5	Manhole Leak		
6	Pipe Leak		
7	Tank Low Temperature		
8	Inside Temperature		
9	Outside Temperature	✓	
10-21	SSDS		See Form F - 2
22	Power Off		

Reason for Alarm: _____

Action Taken: _____

Comments: _____

_____

_____

_____

_____

synapse

AUTO DIALER ALARM INCIDENT AND TESTING REPORT (FORM F - 2)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sub-Slab Depressurization System

Synapse Representative: R. Creighton Received Alarm: Y or N

Test Alarm: Y or N Date: _____ Date and Time: _____;_____

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
10	Fan #1 Off	✓	11/20/15 6:25AM
11	Fan #2 Off		
12	Fan #3 Off		
13	Fan #4 Off		
14	Fan #5 Off		
15	Fan #6 Off		
16	Vacuum #1 Low		
17	Vacuum #2 Low		
18	Vacuum #3 Low		
19	Vacuum #4 Low		
20	Vacuum #5 Low		
21	Vacuum #6 Low		

Note: #1 = SW Zone; #2 = NW Zone; #3 = SE Zone; #4 = NE Zone; #5 = W Center Zone; #6 = E Center Zone

Reason for Alarm: Not determined

Action Taken: Restart Fan No. 1 11/22/15 @ 12:45pm

Comments: _____

synapse

APPENDIX D
LEACHATE DISPOSAL CORRESPONDENCE AND ANALYTICAL DATA

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

From: Osier, Christopher
To: Roger Creighton
Subject: RE: Utica Holding Company - Leachate Tank 17
Date: Monday, August 03, 2015 11:30:05 AM
Attachments: image001.png

Looks good. Send it whenever.

-Chris

From: Roger Creighton [mailto:RCreighton@synapsellc.com]
Sent: Monday, August 03, 2015 11:25 AM
To: Osier, Christopher
Subject: Utica Holding Company - Leachate Tank 17

Chris,

Attached please find the analytical results submitted to Oneida County Department of Water Quality and Pollution Control for requested discharge of approximately 3,900 gallons of leachate to the Oneida County sanitary system. Please don't hesitate to contact me should you have any questions.

Regards,

Roger

Roger Creighton
Senior Associate

Synapse Partners, LLC
360 Erie Blvd. East
Syracuse, NY 13202
Phone: 315-475-3700 ext. 123
Direct: 315-849-0905
Mobile: 315-254-8547
Fax: 315-475-3780
rcreighton@synapsellc.com

ANALYTICAL REPORT

Lab Number:	L1513379
Client:	Synapse Risk Management, LLC 360 Erie Blvd. East Syracuse, NY 13202
ATTN:	Roger Creighton
Phone:	(315) 475-3700
Project Name:	2200 BLEECKER STREET
Project Number:	DANA 01.15.02
Report Date:	06/24/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1513379-01	LT-17	WATER	UTICA, NY	06/15/15 13:30	06/15/15
L1513379-02	TRIP BLANK	WATER	UTICA, NY	06/08/15 00:00	06/15/15

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379
Project Number: DANA 01.15.02 **Report Date:** 06/24/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379
Project Number: DANA 01.15.02 **Report Date:** 06/24/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The MS was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the sample to be utilized for the MS would have caused the spike compounds to be diluted below the range of calibration.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/24/15

ORGANICS

VOLATILES

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379

Project Number: DANA 01.15.02 **Report Date:** 06/24/15

SAMPLE RESULTS

Lab ID: L1513379-01
Client ID: LT-17
Sample Location: UTICA, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 06/17/15 13:04
Analyst: GT

Date Collected: 06/15/15 13:30
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	ND		ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	1.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379

Project Number: DANA 01.15.02 **Report Date:** 06/24/15

SAMPLE RESULTS

Lab ID: L1513379-01 Date Collected: 06/15/15 13:30

Client ID: LT-17 Date Received: 06/15/15

Sample Location: UTICA, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylenes, Total[1]	ND		ug/l	1.0	0.30	1
Styrene[1]	ND		ug/l	1.0	0.30	1
Acetone[1]	ND		ug/l	10	1.8	1
Carbon disulfide[1]	ND		ug/l	5.0	0.90	1
2-Butanone[1]	ND		ug/l	10	2.2	1
Vinyl acetate[1]	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1
2-Hexanone[1]	ND		ug/l	10	2.5	1
Acrolein[1]	ND		ug/l	8.0	1.9	1
Acrylonitrile[1]	ND		ug/l	10	1.9	1
Dibromomethane[1]	ND		ug/l	1.0	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		80-120
Fluorobenzene	102		80-120
4-Bromofluorobenzene	112		80-120

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02
Lab Number: L1513379
Report Date: 06/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 06/17/15 11:55
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG794447-6					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	ND		ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	1.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379

Project Number: DANA 01.15.02 **Report Date:** 06/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 06/17/15 11:55
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG794447-6					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-Xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	1.0	0.30
Styrene[1]	ND		ug/l	1.0	0.30
Acetone[1]	ND		ug/l	10	1.8
Carbon disulfide[1]	ND		ug/l	5.0	0.90
2-Butanone[1]	ND		ug/l	10	2.2
Vinyl acetate[1]	ND		ug/l	10	2.9
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4
2-Hexanone[1]	ND		ug/l	10	2.5
Acrolein[1]	ND		ug/l	8.0	1.9
Acrylonitrile[1]	ND		ug/l	10	1.9
Methyl tert butyl ether[1]	ND		ug/l	10	0.58
Dibromomethane[1]	ND		ug/l	1.0	1.0
1,4-Dioxane[1]	ND		ug/l	2000	490
tert-Butyl Alcohol[1]	ND		ug/l	100	6.0
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	103		80-120
4-Bromofluorobenzene	98		80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG794447-5								
Methylene chloride	102		-		70-111	-		30
1,1-Dichloroethane	103		-		78-116	-		30
Chloroform	102		-		86-111	-		30
Carbon tetrachloride	106		-		60-112	-		30
1,2-Dichloropropane	102		-		83-113	-		30
Dibromochloromethane	98		-		58-129	-		30
1,1,2-Trichloroethane	97		-		80-118	-		30
2-Chloroethylvinyl ether	97		-		69-124	-		30
Tetrachloroethene	97		-		80-126	-		30
Chlorobenzene	91		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	104		-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	98		-		71-120	-		30
trans-1,3-Dichloropropene	93		-		73-106	-		30
cis-1,3-Dichloropropene	96		-		78-111	-		30
Bromoform	96		-		45-131	-		30
1,1,2,2-Tetrachloroethane	97		-		81-122	-		30
Benzene	102		-		84-116	-		30
Toluene	98		-		83-121	-		30
Ethylbenzene	99		-		84-123	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG794447-5								
Chloromethane	96		-		70-144	-		30
Bromomethane	94		-		63-141	-		30
Vinyl chloride	97		-		56-118	-		30
Chloroethane	100		-		74-130	-		30
1,1-Dichloroethene	99		-		77-116	-		30
trans-1,2-Dichloroethene	103		-		81-121	-		30
cis-1,2-Dichloroethene[1]	99		-		85-110	-		30
Trichloroethene	100		-		84-118	-		30
1,2-Dichlorobenzene	94		-		78-128	-		30
1,3-Dichlorobenzene	88		-		77-125	-		30
1,4-Dichlorobenzene	88		-		77-125	-		30
p/m-Xylene[1]	98		-		81-121	-		30
o-Xylene[1]	92		-		81-124	-		30
Styrene[1]	96		-		84-133	-		30
Acetone[1]	116		-		40-160	-		30
Carbon disulfide[1]	90		-		54-134	-		30
2-Butanone[1]	103		-		57-116	-		30
Vinyl acetate[1]	95		-		40-160	-		30
4-Methyl-2-pentanone[1]	99		-		79-125	-		30
2-Hexanone[1]	98		-		78-120	-		30
Acrolein[1]	99		-		40-160	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG794447-5								
Acrylonitrile[1]	105		-		66-123	-		30
Methyl tert butyl ether[1]	100		-		57-126	-		30
Dibromomethane[1]	100		-		65-126	-		30
1,4-Dioxane[1]	**166**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**137**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	98		-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	106				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	99				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794447-4 QC Sample: L1512944-02 Client ID: MS Sample												
Benzene	61	20	64	**17**	Q	-	-		84-116	-		30
Toluene	3.9	20	23	94		-	-		83-121	-		30
Ethylbenzene	ND	20	20	100		-	-		84-123	-		30
p/m-Xylene[1]	3.1	40	49	114		-	-		81-121	-		30
o-Xylene[1]	1.9	20	25	116		-	-		81-124	-		30
Methyl tert butyl ether[1]	4.6J	20	26	**128**	Q	-	-		57-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	101				80-120
Fluorobenzene	109				80-120
Pentafluorobenzene	102				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG794447-3 QC Sample: L1512944-01 Client ID: DUP Sample						
Benzene	ND	ND	ug/l	NC		30
Toluene	ND	ND	ug/l	NC		30
Ethylbenzene	ND	ND	ug/l	NC		30
p/m-Xylene[1]	ND	ND	ug/l	NC		30
o-Xylene[1]	ND	ND	ug/l	NC		30
Xylene (Total)[1]	ND	ND	ug/l	NC		30
Methyl tert butyl ether[1]	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		102		80-120
Fluorobenzene	102		100		80-120
4-Bromofluorobenzene	109		112		80-120

SEMIVOLATILES

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379

Project Number: DANA 01.15.02 **Report Date:** 06/24/15

SAMPLE RESULTS

Lab ID: L1513379-01
Client ID: LT-17
Sample Location: UTICA, NY
Matrix: Water
Analytical Method: 5,625
Analytical Date: 06/23/15 04:00
Analyst: JB

Date Collected: 06/15/15 13:30
Date Received: 06/15/15
Field Prep: Not Specified
Extraction Method: EPA 625
Extraction Date: 06/21/15 01:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.28	1
Benzidine[1]	ND		ug/l	20	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether[1]	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorobutadiene	ND		ug/l	2.0	0.42	1
Hexachlorocyclopentadiene[1]	ND		ug/l	10	0.58	1
Hexachloroethane	ND		ug/l	2.0	0.30	1
Isophorone	ND		ug/l	5.0	0.79	1
Naphthalene	ND		ug/l	2.0	0.33	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.66	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.30	1
Acenaphthylene	ND		ug/l	2.0	0.37	1
Anthracene	ND		ug/l	2.0	0.20	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.57	1
Fluorene	ND		ug/l	2.0	0.32	1
Phenanthrene	ND		ug/l	2.0	0.23	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.43	1
Pyrene	ND		ug/l	2.0	0.52	1

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379

Project Number: DANA 01.15.02 **Report Date:** 06/24/15

SAMPLE RESULTS

Lab ID: L1513379-01 Date Collected: 06/15/15 13:30

Client ID: LT-17 Date Received: 06/15/15

Sample Location: UTICA, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2-Nitrophenol	ND		ug/l	5.0	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol[1]	ND		ug/l	10	1.4	1
Pentachlorophenol	ND		ug/l	5.0	3.2	1
Phenol	ND		ug/l	5.0	0.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	62		33-120

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02
Lab Number: L1513379
Report Date: 06/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,625
Analytical Date: 06/23/15 02:44
Analyst: JB

Extraction Method: EPA 625
Extraction Date: 06/21/15 01:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG795640-1					
Acenaphthene	ND		ug/l	2.0	0.28
Benzidine[1]	ND		ug/l	20	0.26
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Azobenzene[1]	ND		ug/l	2.0	0.54
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether[1]	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene[1]	ND		ug/l	10	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA[1]	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02
Lab Number: L1513379
Report Date: 06/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,625
Analytical Date: 06/23/15 02:44
Analyst: JB

Extraction Method: EPA 625
Extraction Date: 06/21/15 01:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG795640-1					
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Aniline[1]	ND		ug/l	2.0	0.55
4-Chloroaniline[1]	ND		ug/l	5.0	0.84
1-Methylnaphthalene[1]	ND		ug/l	2.0	0.38
2-Nitroaniline[1]	ND		ug/l	5.0	0.96
3-Nitroaniline[1]	ND		ug/l	5.0	0.67
4-Nitroaniline[1]	ND		ug/l	5.0	0.83
Dibenzofuran[1]	ND		ug/l	2.0	0.22
2-Methylnaphthalene[1]	ND		ug/l	2.0	0.36
n-Nitrosodimethylamine[1]	ND		ug/l	2.0	0.50
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol[1]	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	5.0	1.0
4-Nitrophenol	ND		ug/l	10	1.1

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02
Lab Number: L1513379
Report Date: 06/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,625
Analytical Date: 06/23/15 02:44
Analyst: JB

Extraction Method: EPA 625
Extraction Date: 06/21/15 01:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG795640-1					
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol[1]	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	5.0	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol[1]	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol[1]	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol[1]	ND		ug/l	5.0	0.75
Benzoic Acid[1]	ND		ug/l	50	1.0
Benzyl Alcohol[1]	ND		ug/l	2.0	0.68
Carbazole[1]	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	83		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG795640-2								
Acenaphthene	64		-		46-118	-		30
1,2,4-Trichlorobenzene	50		-		39-98	-		30
2-Chloronaphthalene	68		-		40-140	-		30
2,4-Dinitrotoluene	77		-		24-96	-		30
2,6-Dinitrotoluene	84		-		40-140	-		30
Fluoranthene	75		-		40-140	-		30
4-Chlorophenyl phenyl ether	70		-		40-140	-		30
n-Nitrosodi-n-propylamine	70		-		41-116	-		30
Butyl benzyl phthalate	72		-		40-140	-		30
Anthracene	72		-		40-140	-		30
Pyrene	74		-		26-127	-		30
P-Chloro-M-Cresol[1]	67		-		23-97	-		30
2-Chlorophenol	53		-		27-123	-		30
2-Nitrophenol	66		-		30-130	-		30
4-Nitrophenol	30		-		10-80	-		30
2,4-Dinitrophenol	35		-		20-130	-		30
Pentachlorophenol	62		-		9-103	-		30
Phenol	22		-		12-110	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG795640-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	29				21-120
Phenol-d6	21				10-120
Nitrobenzene-d5	72				23-120
2-Fluorobiphenyl	78				15-120
2,4,6-Tribromophenol	88				10-120
4-Terphenyl-d14	78				33-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795640-4 QC Sample: L1513379-01 Client ID: LT-17						
Acenaphthene	ND	ND	ug/l	NC		30
Benzidine[1]	ND	ND	ug/l	NC		30
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC		30
Hexachlorobenzene	ND	ND	ug/l	NC		30
Bis(2-chloroethyl)ether	ND	ND	ug/l	NC		30
2-Chloronaphthalene	ND	ND	ug/l	NC		30
3,3'-Dichlorobenzidine	ND	ND	ug/l	NC		30
2,4-Dinitrotoluene	ND	ND	ug/l	NC		30
2,6-Dinitrotoluene	ND	ND	ug/l	NC		30
Azobenzene[1]	ND	ND	ug/l	NC		30
Fluoranthene	ND	ND	ug/l	NC		30
4-Chlorophenyl phenyl ether	ND	ND	ug/l	NC		30
4-Bromophenyl phenyl ether[1]	ND	ND	ug/l	NC		30
Bis(2-chloroisopropyl)ether	ND	ND	ug/l	NC		30
Bis(2-chloroethoxy)methane	ND	ND	ug/l	NC		30
Hexachlorobutadiene	ND	ND	ug/l	NC		30
Hexachlorocyclopentadiene[1]	ND	ND	ug/l	NC		30
Hexachloroethane	ND	ND	ug/l	NC		30
Isophorone	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795640-4 QC Sample: L1513379-01 Client ID: LT-17					
Naphthalene	ND	ND	ug/l	NC	30
Nitrobenzene	ND	ND	ug/l	NC	30
NitrosoDiPhenylAmine(NDPA)/DPA[1]	ND	ND	ug/l	NC	30
n-Nitrosodi-n-propylamine	ND	ND	ug/l	NC	30
Bis(2-Ethylhexyl)phthalate	ND	1.1J	ug/l	NC	30
Butyl benzyl phthalate	ND	ND	ug/l	NC	30
Di-n-butylphthalate	ND	ND	ug/l	NC	30
Di-n-octylphthalate	ND	ND	ug/l	NC	30
Diethyl phthalate	ND	ND	ug/l	NC	30
Dimethyl phthalate	ND	ND	ug/l	NC	30
Benzo(a)anthracene	ND	ND	ug/l	NC	30
Benzo(a)pyrene	ND	ND	ug/l	NC	30
Benzo(b)fluoranthene	ND	ND	ug/l	NC	30
Benzo(k)fluoranthene	ND	ND	ug/l	NC	30
Chrysene	ND	ND	ug/l	NC	30
Acenaphthylene	ND	ND	ug/l	NC	30
Anthracene	ND	ND	ug/l	NC	30
Benzo(ghi)perylene	ND	ND	ug/l	NC	30
Fluorene	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795640-4 QC Sample: L1513379-01 Client ID: LT-17					
Phenanthrene	ND	ND	ug/l	NC	30
Dibenzo(a,h)anthracene	ND	ND	ug/l	NC	30
Indeno(1,2,3-cd)Pyrene	ND	ND	ug/l	NC	30
Pyrene	ND	ND	ug/l	NC	30
Aniline[1]	ND	ND	ug/l	NC	30
4-Chloroaniline[1]	ND	ND	ug/l	NC	30
1-Methylnaphthalene[1]	ND	ND	ug/l	NC	30
2-Nitroaniline[1]	ND	ND	ug/l	NC	30
3-Nitroaniline[1]	ND	ND	ug/l	NC	30
4-Nitroaniline[1]	ND	ND	ug/l	NC	30
Dibenzofuran[1]	ND	ND	ug/l	NC	30
2-Methylnaphthalene[1]	ND	ND	ug/l	NC	30
n-Nitrosodimethylamine[1]	ND	ND	ug/l	NC	30
2,4,6-Trichlorophenol	ND	ND	ug/l	NC	30
P-Chloro-M-Cresol[1]	ND	ND	ug/l	NC	30
2-Chlorophenol	ND	ND	ug/l	NC	30
2,4-Dichlorophenol	ND	ND	ug/l	NC	30
2,4-Dimethylphenol	ND	ND	ug/l	NC	30
2-Nitrophenol	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab	Associated sample(s): 01	QC Batch ID: WG795640-4		QC Sample: L1513379-01	Client ID: LT-17
4-Nitrophenol	ND	ND	ug/l	NC	30
2,4-Dinitrophenol	ND	ND	ug/l	NC	30
4,6-Dinitro-o-cresol[1]	ND	ND	ug/l	NC	30
Pentachlorophenol	ND	ND	ug/l	NC	30
Phenol	ND	ND	ug/l	NC	30
2-Methylphenol[1]	ND	ND	ug/l	NC	30
3-Methylphenol/4-Methylphenol[1]	ND	ND	ug/l	NC	30
2,4,5-Trichlorophenol[1]	ND	ND	ug/l	NC	30
Benzoic Acid[1]	ND	ND	ug/l	NC	30
Benzyl Alcohol[1]	ND	ND	ug/l	NC	30
Carbazole[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		23		21-120
Phenol-d6	15		16		10-120
Nitrobenzene-d5	62		61		23-120
2-Fluorobiphenyl	64		65		15-120
2,4,6-Tribromophenol	72		77		10-120
4-Terphenyl-d14	62		63		33-120

PCBS

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379

Project Number: DANA 01.15.02 **Report Date:** 06/24/15

SAMPLE RESULTS

Lab ID: L1513379-01
Client ID: LT-17
Sample Location: UTICA, NY
Matrix: Water
Analytical Method: 5,608
Analytical Date: 06/23/15 08:36
Analyst: JT

Date Collected: 06/15/15 13:30
Date Received: 06/15/15
Field Prep: Not Specified
Extraction Method: EPA 608
Extraction Date: 06/20/15 12:46
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 06/23/15 07:34
Analyst: JT

Extraction Method: EPA 608
Extraction Date: 06/20/15 12:46
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG795581-1						
Aroclor 1016	ND		ug/l	0.050	0.021	A
Aroclor 1221	ND		ug/l	0.050	0.028	A
Aroclor 1232	ND		ug/l	0.050	0.012	A
Aroclor 1242	ND		ug/l	0.050	0.014	A
Aroclor 1248	ND		ug/l	0.050	0.014	A
Aroclor 1254	ND		ug/l	0.050	0.022	A
Aroclor 1260	ND		ug/l	0.050	0.023	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	43		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795581-3 QC Sample: L1513379-01 Client ID: LT-17													
Aroclor 1016	ND	0.5	0.392	78		-	-		40-126	-		30	A
Aroclor 1260	ND	0.5	0.310	62		-	-		40-127	-		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62				30-150	A
Decachlorobiphenyl	87				30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG795581-2									
Aroclor 1016	86		-		40-126	-		30	A
Aroclor 1260	78		-		40-127	-		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65				30-150	A
Decachlorobiphenyl	80				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795581-4 QC Sample: L1513493-01 Client ID: DUP Sample							
Aroclor 1016	ND	ND	ug/l	NC		30	A
Aroclor 1221	ND	ND	ug/l	NC		30	A
Aroclor 1232	ND	ND	ug/l	NC		30	A
Aroclor 1242	ND	ND	ug/l	NC		30	A
Aroclor 1248	ND	ND	ug/l	NC		30	A
Aroclor 1254	ND	ND	ug/l	NC		30	A
Aroclor 1260	ND	ND	ug/l	NC		30	A

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		64		30-150	A
Decachlorobiphenyl	51		46		30-150	A

PESTICIDES

Project Name: 2200 BLEECKER STREET **Lab Number:** L1513379

Project Number: DANA 01.15.02 **Report Date:** 06/24/15

SAMPLE RESULTS

Lab ID:	L1513379-01	Date Collected:	06/15/15 13:30
Client ID:	LT-17	Date Received:	06/15/15
Sample Location:	UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	06/20/15 12:46
Analytical Date:	06/23/15 13:01	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.003	1	A
Lindane	ND		ug/l	0.020	0.003	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.004	1	A
Aldrin	ND		ug/l	0.020	0.003	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.006	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.003	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.003	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.005	1	A
Endosulfan I	ND		ug/l	0.020	0.006	1	A
Endosulfan II	ND		ug/l	0.040	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.100	0.006	1	A
Toxaphene	ND		ug/l	0.400	0.126	1	A
Chlordane	ND		ug/l	0.200	0.042	1	A
cis-Chlordane	ND		ug/l	0.020	0.004	1	A
trans-Chlordane	ND		ug/l	0.020	0.008	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02
Lab Number: L1513379
Report Date: 06/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 06/23/15 13:40
Analyst: GP

Extraction Method: EPA 608
Extraction Date: 06/20/15 12:46
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG795576-1						
Delta-BHC	ND		ug/l	0.020	0.003	A
Lindane	ND		ug/l	0.020	0.003	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.004	A
Aldrin	ND		ug/l	0.020	0.003	A
Heptachlor epoxide	ND		ug/l	0.020	0.006	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.003	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.003	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.005	A
Endosulfan I	ND		ug/l	0.020	0.006	A
Endosulfan II	ND		ug/l	0.040	0.004	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.100	0.006	A
Toxaphene	ND		ug/l	0.400	0.126	A
Chlordane	ND		ug/l	0.200	0.042	A
cis-Chlordane	ND		ug/l	0.020	0.004	A
trans-Chlordane	ND		ug/l	0.020	0.008	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	46		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG795576-2									
Delta-BHC	50		-		30-150	-		30	A
Lindane	72		-		30-150	-		30	A
Alpha-BHC	76		-		30-150	-		30	A
Beta-BHC	64		-		30-150	-		30	A
Heptachlor	64		-		30-150	-		30	A
Aldrin	53		-		30-150	-		30	A
Heptachlor epoxide	71		-		30-150	-		30	A
Endrin	75		-		30-150	-		30	A
Endrin aldehyde	56		-		30-150	-		30	A
Endrin ketone	65		-		30-150	-		30	A
Dieldrin	76		-		30-150	-		30	A
4,4'-DDE	72		-		30-150	-		30	A
4,4'-DDD	83		-		30-150	-		30	A
4,4'-DDT	78		-		30-150	-		30	A
Endosulfan I	65		-		30-150	-		30	A
Endosulfan II	73		-		30-150	-		30	A
Endosulfan sulfate	57		-		30-150	-		30	A
Methoxychlor	68		-		30-150	-		30	A
cis-Chlordane	65		-		30-150	-		30	A
trans-Chlordane	67		-		30-150	-		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG795576-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56				30-150	A
Decachlorobiphenyl	46				30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795576-3 QC Sample: L1513493-01 Client ID: MS Sample													
Delta-BHC	ND	0.156	0.124	79		-	-		19-140	-		30	A
Lindane	ND	0.156	0.180	115		-	-		56-123	-		30	A
Alpha-BHC	ND	0.156	0.191	122		-	-		37-134	-		30	A
Beta-BHC	ND	0.156	0.158	101		-	-		17-147	-		30	A
Heptachlor	ND	0.156	0.172	110		-	-		40-111	-		30	A
Aldrin	ND	0.156	0.143	92		-	-		40-120	-		30	A
Heptachlor epoxide	ND	0.156	0.174	111		-	-		37-142	-		30	A
Endrin	ND	0.156	0.179	115		-	-		56-121	-		30	A
Endrin aldehyde	ND	0.156	0.124	79		-	-		42-122	-		30	A
Endrin ketone	ND	0.156	0.141	90		-	-		30-150	-		30	A
Dieldrin	ND	0.156	0.179	115		-	-		52-126	-		30	A
4,4'-DDE	ND	0.156	0.172	110		-	-		30-145	-		30	A
4,4'-DDD	ND	0.156	0.190	122		-	-		31-141	-		30	A
4,4'-DDT	ND	0.156	0.172	110		-	-		38-127	-		30	A
Endosulfan I	ND	0.156	0.168	108		-	-		45-153	-		30	A
Endosulfan II	ND	0.156	0.166	106		-	-		.1-202	-		30	A
Endosulfan sulfate	ND	0.156	0.126	81		-	-		26-144	-		30	A
Methoxychlor	ND	0.156	0.148	95		-	-		30-150	-		30	A
cis-Chlordane	ND	0.156	0.163	104		-	-		30-150	-		30	A
trans-Chlordane	ND	0.156	0.190	122		-	-		30-150	-		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795576-3 QC Sample: L1513493-01 Client ID: MS Sample												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	115				30-150	A
Decachlorobiphenyl	80				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Organochlorine Pesticides by GC - Westborough Lab	Associated sample(s): 01	QC Batch ID: WG795576-4		QC Sample: L1513379-01		Client ID: LT-17	
Delta-BHC	ND	ND	ug/l	NC		30	A
Lindane	ND	ND	ug/l	NC		30	A
Alpha-BHC	ND	ND	ug/l	NC		30	A
Beta-BHC	ND	ND	ug/l	NC		30	A
Heptachlor	ND	ND	ug/l	NC		30	A
Aldrin	ND	ND	ug/l	NC		30	A
Heptachlor epoxide	ND	ND	ug/l	NC		30	A
Endrin	ND	ND	ug/l	NC		30	A
Endrin aldehyde	ND	ND	ug/l	NC		30	A
Endrin ketone	ND	ND	ug/l	NC		30	A
Dieldrin	ND	ND	ug/l	NC		30	A
4,4'-DDE	ND	ND	ug/l	NC		30	A
4,4'-DDD	ND	ND	ug/l	NC		30	A
4,4'-DDT	ND	ND	ug/l	NC		30	A
Endosulfan I	ND	ND	ug/l	NC		30	A
Endosulfan II	ND	ND	ug/l	NC		30	A
Endosulfan sulfate	ND	ND	ug/l	NC		30	A
Methoxychlor	ND	ND	ug/l	NC		30	A
Toxaphene	ND	ND	ug/l	NC		30	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits	
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795576-4 QC Sample: L1513379-01 Client ID: LT-17						
Chlordane	ND	ND	ug/l	NC	30	A
cis-Chlordane	ND	ND	ug/l	NC	30	A
trans-Chlordane	ND	ND	ug/l	NC	30	A

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		62		30-150	A
Decachlorobiphenyl	47		46		30-150	A

METALS

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02
Lab Number: L1513379
Report Date: 06/24/15

SAMPLE RESULTS

Lab ID: L1513379-01
Client ID: LT-17
Sample Location: UTICA, NY
Matrix: Water
Date Collected: 06/15/15 13:30
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	06/20/15 18:07	06/22/15 21:32	EPA 3005A	19,200.7	JH
Chromium, Total	ND		mg/l	0.01	0.002	1	06/20/15 18:07	06/22/15 21:32	EPA 3005A	19,200.7	JH
Copper, Total	0.013		mg/l	0.010	0.002	1	06/20/15 18:07	06/22/15 21:32	EPA 3005A	19,200.7	JH
Lead, Total	0.006	J	mg/l	0.010	0.002	1	06/20/15 18:07	06/22/15 21:32	EPA 3005A	19,200.7	JH
Nickel, Total	0.061		mg/l	0.025	0.004	1	06/20/15 18:07	06/22/15 21:32	EPA 3005A	19,200.7	JH
Zinc, Total	0.018	J	mg/l	0.050	0.007	1	06/20/15 18:07	06/22/15 21:32	EPA 3005A	19,200.7	JH

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02
Lab Number: L1513379
Report Date: 06/24/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG795562-1										
Cadmium, Total	ND		mg/l	0.005	0.001	1	06/20/15 18:07	06/22/15 15:17	19,200.7	JH
Chromium, Total	ND		mg/l	0.01	0.002	1	06/20/15 18:07	06/22/15 15:17	19,200.7	JH
Copper, Total	ND		mg/l	0.010	0.002	1	06/20/15 18:07	06/22/15 15:17	19,200.7	JH
Lead, Total	ND		mg/l	0.010	0.002	1	06/20/15 18:07	06/22/15 15:17	19,200.7	JH
Nickel, Total	ND		mg/l	0.025	0.004	1	06/20/15 18:07	06/22/15 15:17	19,200.7	JH
Zinc, Total	ND		mg/l	0.050	0.007	1	06/20/15 18:07	06/22/15 15:17	19,200.7	JH

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG795562-2								
Cadmium, Total	108		-		85-115	-		
Chromium, Total	100		-		85-115	-		
Copper, Total	101		-		85-115	-		
Lead, Total	105		-		85-115	-		
Nickel, Total	100		-		85-115	-		
Zinc, Total	103		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795562-4 QC Sample: L1513412-01 Client ID: MS Sample												
Cadmium, Total	ND	0.051	0.055	108		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.20	100		-	-		75-125	-		20
Copper, Total	0.013	0.25	0.267	102		-	-		75-125	-		20
Lead, Total	0.002J	0.51	0.521	102		-	-		75-125	-		20
Nickel, Total	0.006J	0.5	0.487	97		-	-		75-125	-		20
Zinc, Total	0.038J	0.5	0.550	110		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG795562-3 QC Sample: L1513412-01 Client ID: DUP Sample						
Zinc, Total	0.038J	0.037J	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

SAMPLE RESULTS

Lab ID: L1513379-01
Client ID: LT-17
Sample Location: UTICA, NY
Matrix: Water

Date Collected: 06/15/15 13:30
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	06/16/15 08:00	06/16/15 09:00	74,1664A	ML

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02
Lab Number: L1513379
Report Date: 06/24/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG793927-1										
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	06/16/15 08:00	06/16/15 09:00	74,1664A	ML

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER STREET

Project Number: DANA 01.15.02

Lab Number: L1513379

Report Date: 06/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG793927-2								
Oil & Grease, Hem-Grav	88		-		78-114	-		18

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG793927-4 QC Sample: L1513335-01 Client ID: MS Sample												
Oil & Grease, Hem-Grav	ND	44.4	42	95		-	-		78-114	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG793927-3 QC Sample: L1513334-03 Client ID: DUP Sample						
Oil & Grease, Hem-Grav	ND	ND	mg/l	NC		18

Project Name: 2200 BLEECKER STREET
Project Number: DANA 01.15.02

Lab Number: L1513379
Report Date: 06/24/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513379-01A	Vial Na2S2O3 preserved	B	N/A	5.0	Y	Absent	624(3)
L1513379-01B	Vial Na2S2O3 preserved	B	N/A	5.0	Y	Absent	624(3)
L1513379-01C	Vial Na2S2O3 preserved	B	N/A	5.0	Y	Absent	624(3)
L1513379-01D	Amber 1000ml Na2S2O3	B	7	5.0	Y	Absent	625(7)
L1513379-01E	Amber 1000ml Na2S2O3	B	7	5.0	Y	Absent	625(7)
L1513379-01F	Amber 1000ml Na2S2O3	B	7	5.0	Y	Absent	PESTICIDE-608(7)
L1513379-01G	Amber 1000ml Na2S2O3	B	7	5.0	Y	Absent	PESTICIDE-608(7)
L1513379-01H	Amber 1000ml Na2S2O3	B	7	5.0	Y	Absent	NYPCB-608-2L(7)
L1513379-01I	Amber 1000ml Na2S2O3	B	7	5.0	Y	Absent	NYPCB-608-2L(7)
L1513379-01J	Amber 1000ml Na2S2O3	B	7	5.0	Y	Absent	NYPCB-608-2L(7)
L1513379-01K	Amber 1000ml Na2S2O3	B	7	5.0	Y	Absent	NYPCB-608-2L(7)
L1513379-01L	Amber 1000ml HCl preserved	B	7	5.0	Y	Absent	OG-1664(28)
L1513379-01M	Amber 1000ml HCl preserved	B	7	5.0	Y	Absent	OG-1664(28)
L1513379-01N	Plastic 250ml HNO3 preserved	B	<2	5.0	Y	Absent	NI-UI(180),ZN-UI(180),CD-UI(180),CR-UI(180),CU-UI(180),PB-UI(180)
L1513379-02A	Vial Na2S2O3 preserved	B	N/A	5.0	Y	Absent	HOLD-624(3)
L1513379-02B	Vial Na2S2O3 preserved	B	N/A	5.0	Y	Absent	HOLD-624(3)

*Values in parentheses indicate holding time in days

Project Name:	2200 BLEECKER STREET	**Lab Number:**	L1513379
Project Number:	DANA 01.15.02	**Report Date:**	06/24/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2200 BLEECKER STREET	**Lab Number:**	L1513379
Project Number:	DANA 01.15.02	**Report Date:**	06/24/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2200 BLEECKER STREET	**Lab Number:**	L1513379
Project Number:	DANA 01.15.02	**Report Date:**	06/24/15

REFERENCES

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6-16-15

ALPHA Job #: L1513379

Client Information

Client: Stantec
Address: 300 Erie Blvd East
Syracuse, NY 13202
Phone: 315-475-3160
Fax: 315-475-3780
Email: rick.gilson@stantec.com

Project Information

Project Name:
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☑ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	624	625	8011 + Glycol	TAL Metals (Ca, Cr, Cu, Ni, Pb, Zn)	PCBs (608)	PST (608)			Sample Specific Comments	Total Bottle
L1513379-01	LT-17	6/15/15	13:30	X1	RW	3	2	2	1	4	2				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	6/15/15 15:23	FEDEX AAL	06/15 1523
FEDEX	06/15 2150		6/17 2150
	6/16/15 0025		0025

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX E
WATER LEVEL FIELD LOGS - FORM D

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

WATER LEVEL FIELD LOG (FORM D)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 4/30/2015

Location	Installed Depth (ft.)	Measured Depth (ft.)[1] (TOR)	Top Elevation (ft.)[1] (TOR)	Water Depth (ft.)[1]	Water Elevation (ft.)[2]	Water Column (ft.)	Time	Comments
MW-6R	10.52	10.51	465.47	4.05	461.42	6.46		
MW-13A	10.92	~~10.71.45~~	469.23	2.45	466.78	8.46		
MW-14A	13.00	12.95	478.37	3.47	474.9	9.48		
MW-17	11.25	11.25	466.02	10.55	455.47	0.70		
MW-18	11.73	11.73	475.96	5.05	470.91	6.68		
SCT CO-1			472.30					
SCT CO-2			473.42					
SCT CO-3			471.21					
NCT CO-1			464.70					
MH-2 (Collection)	12.80		465.31					

Notes:

1) Depth measurements are taken in hundredths of a foot from the Top of Riser (TOR), which is a reference point at the highest part on the inner 2-inch PVC riser pipe.
2) Elevations are referenced to sea level, as set by the National Geodetic Vertical Datum (NGVD) of 1988.
3) MW = Monitoring Well
4) SCT = Southern Collection Trench
5) NCT = Northern Collection Trench
6) CO = Clean Out (Depths and Elevations are Approximate)
7) MH = Manhole

General Comments:

WATER LEVEL FIELD LOG (FORM D)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 10/29/2015

Location	Installed Depth (ft.)	Measured Depth (ft.)[1] (TOR)	Top Elevation (ft.)[1] (TOR)	Water Depth (ft.)[1]	Water Elevation (ft.)[2]	Water Column (ft.)	Time	Comments
MW-6R	10.52	10.52	465.47	3.65	461.82	6.87		
MW-13A	10.92	10.92	469.23	3.39	465.84	7.53		
MW-14A	13.00	12.92	478.37	2.73	475.64	10.19		
MW-17	11.25	11.25	466.02	10.90	455.12	0.37		
MW-18	11.73	11.75	475.96	5.43	470.53	6.32		
SCT CO-1			472.30					
SCT CO-2			473.42					
SCT CO-3			471.21					
NCT CO-1			464.70					
MH-2 (Collection)	12.80		465.31					

Notes:

1) Depth measurements are taken in hundredths of a foot from the Top of Riser (TOR), which is a reference point at the highest part on the inner 2-inch PVC riser pipe.
2) Elevations are referenced to sea level, as set by the National Geodetic Vertical Datum (NGVD) of 1988.
3) MW = Monitoring Well
4) SCT = Southern Collection Trench
5) NCT = Northern Collection Trench
6) CO = Clean Out (Depths and Elevations are Approximate)
7) MH = Manhole

General Comments:

APPENDIX F
GROUNDWATER SAMPLING LOGS – FORM E

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 4/30/15 Well Number: MW-17

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:33					10.65							
Stabilization Criteria			100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge	
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

Total depth: 11.25'

* Insufficient water to sample

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 4/30/15 Well Number: MW-6R

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:28					4.05							
14:07	15	5	10	210	5.25							
14:10	"	"	"	"	5.55							
14:12	"	"	"	"	5.55							
14:14	"	"	"	"	5.57							
Stabilization Criteria			100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge	
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

Total depth: 10.51'

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	14:15	

synapse

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 4/30/15 Well Number: MW-13A

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:22					2.45							
12:58	15	5	10	210	3.39							
12:58	"	"	"	"	3.55							
1:00	"	"	"	"	3.60							
1:03	"	"	"	"	3.63							
1:06	"	"	"	"	3.65							
Stabilization Criteria			100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge	
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

Total depth: 10.97'

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	13:10	

synapse

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 4/30/15 Well Number: MW-14-A

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:16					3.47							
12:16	15	5	10	250	3.95							
12:20	"	"	"	250	4.35							
12:24	"	"	"	250	4.39							
12:27	"	"	"	250	4.40							
Stabilization Criteria				100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

Total depth: 12:45'

Refill 10s, discharge 5 second.

Throttle: 19

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	12:30	

synapse

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 4/30/19 Well Number: MW-18

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:36					5.05							
14:40	15	5	10	250	5.73							
14:43	"	"	"	"	6.41							
14:45	"	"	"	"	6.90							
14:47	"	"	"	"	7.15							
14:49	"	"	"	"	7.20							
14:51	"	"	"	"	7.22							
Stabilization Criteria			100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge	
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

Total Depth: 11.79'

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	14:51	

synapse

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 10/29/15 Well Number: MW-17

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
					10.90							
Stabilization Criteria				100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End

synapse

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 10/29/15 Well Number: MW- 14A

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:05					2.73							
11:49	20	~~0~~ 5	10	150	4.42	6.86	12.6	0.690	8.21	~~15~~ 165	15.6	0.150
11:53	"	"	"	"	4.46	6.84	12.62	0.692	7.03	165	22	
11:57					4.55	6.82	12.62	0.694	6.61	171	18.4	
12:02					4.45	6.81	12.57	0.696	6.67	176	13.8	
Stabilization Criteria			100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge	
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

* Depth to bottom: 10.12 feet

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	12:10	12:40

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 10/29/15 Well Number: MW-13A

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:00					3.39							
12:51	20	5	10	175	4.55	7.23	16.56	0.640	4.50	-21	6.2	
12:55	"	"	-	-	4.60	7.21	16.60	0.644	3.21	-46	2.5	
12:58	"	"	"	"	4.72	7.18	16.60	0.648	2.24	-66	1.6	
13:00	"	"	"	"	4.78	7.17	16.70	0.650	1.87	-74	1.2	
Stabilization Criteria			100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge	
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

* Depth to bottom: 8.92 Ft.

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO_3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO_4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	13:05	13:20

synaps

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Crighton Date: 10/29/15 Well Number: MW-6R

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:11					3.65							
13:27	20	5	10	200	4.30	6.79	16.46	0.731	7.06	-37	124	
13:30	"	"	"	"	4.60	6.17	16.14	0.749	2.06	-37	60	
13:32	"	"	"	"	4.60	6.67	15.97	0.759	1.53	-54	39.2	
13:37	"	"	"	"	4.70	6.63	15.90	0.779	1.38	-84	12.8	
Stabilization Criteria			100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge	
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

* Depth to bottom: 7.92 feet

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	13:40	

synapse

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: Roger Creighton Date: 10/29/15 Well Number: MW-18

TIME	PUMP SETTING (feet of H_2O)	DISCHARGE TIME (seconds)	REFILL TIME (seconds)	FLOW RATE (ml/min)	DEPTH TO WATER (feet)	pH (SU)	TEMP (°C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	ORP (mv)	TURBIDITY (NTU)	PURGE VOLUME (liters)
11:16					5.43							
13:55	20	5	10	205	6.01	7.05	14.39	0.569	4.01	-46	73.3	
14:00	"	"	"	"	6.49	7.00	14.30	0.554	2.68	-47	33.4	
14:02	"	"	"	"	6.70	6.97	14.26	0.549	2.10	-55	13.7	
14:06	"	"	"	"	6.85	6.95	14.23	0.555	1.76	-65	5.6	
Stabilization Criteria			100-400 ml/min	Drawdown <0.3'	± 0.1 units	3%	3%	10%	± 10 mv	10% (>1 NTU)	Total Purge	
Stabilization Achieved (Y/N)												

Sampling/Purge Equipment	
Water Level Meter:	Solinst Model 101
pH/S.C./Dissolved Oxygen/ORP/Turbidity:	Horbia Model
Pump:	QED Bladder Pump Model
Intake Depth (feet below PVC):	
Tubing:	QED Bonded Poly Sample Tubing

* Depth to bottom: 9.15 feet
* may be to top of pump

Laboratory Analyses/Containers			
Container	Preservative	#	Analysis
8-OZ P	HNO3	1	Metals/Hardness
4-OZ P/G	None	1	Alk/Bicard/Card
32-OZ P	None	1	Br, Cl, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	14:10	

synapse

APPENDIX G
GROUNDWATER ANALYTICAL DATA

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

ANALYTICAL REPORT

Lab Number:	L1509154
Client:	Synapse Risk Management, LLC 360 Erie Blvd. East Syracuse, NY 13202
ATTN:	Roger Creighton
Phone:	(315) 475-3700
Project Name:	SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number:	DANA 01.15.02
Report Date:	05/12/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02

Lab Number: L1509154
Report Date: 05/12/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1509154-01	MW-14A	WATER	2200 BLEECKER ST., UTICA, NY	04/30/15 12:30	04/30/15
L1509154-02	MW-13A	WATER	2200 BLEECKER ST., UTICA, NY	04/30/15 13:10	04/30/15
L1509154-03	MW-6R	WATER	2200 BLEECKER ST., UTICA, NY	04/30/15 14:15	04/30/15
L1509154-04	MW-18	WATER	2200 BLEECKER ST., UTICA, NY	04/30/15 14:51	04/30/15
L1509154-05	DUP 043015	WATER	2200 BLEECKER ST., UTICA, NY	04/30/15 00:00	04/30/15
L1509154-06	TRIP BLANK	WATER	2200 BLEECKER ST., UTICA, NY	04/30/15 00:00	04/30/15

Project Name:	SEMI-ANNUAL GROUNDWATER SAMPLI	**Lab Number:**	L1509154
Project Number:	DANA 01.15.02	**Report Date:**	05/12/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

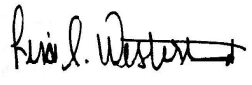
Project Name:	SEMI-ANNUAL GROUNDWATER SAMPLI	**Lab Number:**	L1509154
Project Number:	DANA 01.15.02	**Report Date:**	05/12/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Lisa Westerlind

Title: Technical Director/Representative Date: 05/12/15

ORGANICS

VOLATILES

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-01
Client ID: MW-14A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/09/15 14:06
Analyst: PD

Date Collected: 04/30/15 12:30
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.35	J	ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	97		70-130

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-02
Client ID: MW-13A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/09/15 14:40
Analyst: PD

Date Collected: 04/30/15 13:10
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	96		70-130

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-03
Client ID: MW-6R
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/09/15 15:15
Analyst: PD

Date Collected: 04/30/15 14:15
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-04
Client ID: MW-18
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/09/15 15:49
Analyst: PD

Date Collected: 04/30/15 14:51
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	6.8		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-05
Client ID: DUP 043015
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/09/15 16:23
Analyst: PD

Date Collected: 04/30/15 00:00
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	6.8		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	95		70-130

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02
Lab Number: L1509154
Report Date: 05/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/15 12:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG783546-3					
Vinyl chloride	ND		ug/l	1.0	0.07
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI

Project Number: DANA 01.15.02

Lab Number: L1509154

Report Date: 05/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG783546-1 WG783546-2								
Methylene chloride	105		88		70-130	18		20
1,1-Dichloroethane	115		102		70-130	12		20
Chloroform	104		92		70-130	12		20
Carbon tetrachloride	115		104		63-132	10		20
1,2-Dichloropropane	109		95		70-130	14		20
Dibromochloromethane	92		83		63-130	10		20
1,1,2-Trichloroethane	103		94		70-130	9		20
Tetrachloroethene	87		79		70-130	10		20
Chlorobenzene	99		88		75-130	12		20
Trichlorofluoromethane	108		98		62-150	10		20
1,2-Dichloroethane	107		95		70-130	12		20
1,1,1-Trichloroethane	106		95		67-130	11		20
Bromodichloromethane	101		89		67-130	13		20
trans-1,3-Dichloropropene	114		103		70-130	10		20
cis-1,3-Dichloropropene	103		92		70-130	11		20
1,1-Dichloropropene	101		92		70-130	9		20
Bromoform	95		85		54-136	11		20
1,1,2,2-Tetrachloroethane	107		98		67-130	9		20
Benzene	107		95		70-130	12		20
Toluene	108		95		70-130	13		20
Ethylbenzene	106		95		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI

Project Number: DANA 01.15.02

Lab Number: L1509154

Report Date: 05/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG783546-1 WG783546-2								
Chloromethane	113		108		64-130	5		20
Bromomethane	106		82		39-139	**26**	Q	20
Vinyl chloride	**158**	Q	140		55-140	12		20
Chloroethane	137		123		55-138	11		20
1,1-Dichloroethene	104		91		61-145	13		20
trans-1,2-Dichloroethene	99		88		70-130	12		20
Trichloroethene	98		87		70-130	12		20
1,2-Dichlorobenzene	97		86		70-130	12		20
1,3-Dichlorobenzene	98		87		70-130	12		20
1,4-Dichlorobenzene	97		87		70-130	11		20
Methyl tert butyl ether	101		91		63-130	10		20
p/m-Xylene	104		93		70-130	11		20
o-Xylene	107		95		70-130	12		20
cis-1,2-Dichloroethene	98		86		70-130	13		20
Dibromomethane	94		83		70-130	12		20
1,2,3-Trichloropropane	108		98		64-130	10		20
Acrylonitrile	114		105		70-130	8		20
Diisopropyl Ether	126		110		70-130	14		20
Tert-Butyl Alcohol	89		89		70-130	0		20
Styrene	104		94		70-130	10		20
Dichlorodifluoromethane	117		104		36-147	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02
Lab Number: L1509154
Report Date: 05/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG783546-1 WG783546-2								
Acetone	110		102		58-148	8		20
Carbon disulfide	112		92		51-130	20		20
2-Butanone	107		100		63-138	7		20
Vinyl acetate	123		110		70-130	11		20
4-Methyl-2-pentanone	103		93		59-130	10		20
2-Hexanone	119		110		57-130	8		20
Acrolein	92		81		40-160	13		20
Bromochloromethane	104		90		70-130	14		20
2,2-Dichloropropane	**136**	Q	123		63-133	10		20
1,2-Dibromoethane	94		85		70-130	10		20
1,3-Dichloropropane	103		94		70-130	9		20
1,1,1,2-Tetrachloroethane	107		97		64-130	10		20
Bromobenzene	99		86		70-130	14		20
n-Butylbenzene	113		100		53-136	12		20
sec-Butylbenzene	108		96		70-130	12		20
tert-Butylbenzene	107		93		70-130	14		20
o-Chlorotoluene	113		100		70-130	12		20
p-Chlorotoluene	111		100		70-130	10		20
1,2-Dibromo-3-chloropropane	99		93		41-144	6		20
Hexachlorobutadiene	83		72		63-130	14		20
Isopropylbenzene	101		90		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI

Project Number: DANA 01.15.02

Lab Number: L1509154

Report Date: 05/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG783546-1 WG783546-2								
p-Isopropyltoluene	106		92		70-130	14		20
Naphthalene	82		80		70-130	2		20
n-Propylbenzene	114		101		69-130	12		20
1,2,3-Trichlorobenzene	78		73		70-130	7		20
1,2,4-Trichlorobenzene	83		77		70-130	8		20
1,3,5-Trimethylbenzene	112		97		64-130	14		20
1,2,4-Trimethylbenzene	111		98		70-130	12		20
Methyl Acetate	114		96		70-130	17		20
Ethyl Acetate	118		108		70-130	9		20
Cyclohexane	114		102		70-130	11		20
Ethyl-Tert-Butyl-Ether	115		104		70-130	10		20
Tertiary-Amyl Methyl Ether	100		87		66-130	14		20
1,4-Dioxane	110		82		56-162	**29**	Q	20
Freon-113	93		84		70-130	10		20
p-Diethylbenzene	108		94		70-130	14		20
p-Ethyltoluene	113		100		70-130	12		20
1,2,4,5-Tetramethylbenzene	108		96		70-130	12		20
Ethyl ether	115		102		59-134	12		20
trans-1,4-Dichloro-2-butene	122		110		70-130	10		20
Iodomethane	**33**	Q	**43**	Q	70-130	**26**	Q	20
Methyl cyclohexane	96		85		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI

Project Number: DANA 01.15.02

Lab Number: L1509154

Report Date: 05/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG783546-1 WG783546-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	112		113		70-130
Dibromofluoromethane	99		99		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02
Lab Number: L1509154
Report Date: 05/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG783546-4 WG783546-5 QC Sample: L1509154-02 Client ID: MW-13A												
Methylene chloride	ND	10	9.4	94		10	100		70-130	6		20
1,1-Dichloroethane	ND	10	10	106		11	114		70-130	10		20
Chloroform	ND	10	9.5	95		10	101		70-130	5		20
Carbon tetrachloride	ND	10	10	105		11	112		63-132	10		20
1,2-Dichloropropane	ND	10	9.7	97		10	106		70-130	3		20
Dibromochloromethane	ND	10	8.1	81		8.6	86		63-130	6		20
1,1,2-Trichloroethane	ND	10	9.2	93		9.7	97		70-130	5		20
Tetrachloroethene	ND	10	7.3	73		7.9	79		70-130	8		20
Chlorobenzene	ND	10	8.5	85		9.2	92		75-130	8		20
Trichlorofluoromethane	ND	10	10	102		11	108		62-150	10		20
1,2-Dichloroethane	ND	10	9.8	98		10	105		70-130	2		20
1,1,1-Trichloroethane	ND	10	9.7	97		10	104		67-130	3		20
Bromodichloromethane	ND	10	9.1	91		9.8	98		67-130	7		20
trans-1,3-Dichloropropene	ND	10	9.6	96		10	102		70-130	4		20
cis-1,3-Dichloropropene	ND	10	8.7	87		9.3	93		70-130	7		20
1,1-Dichloropropene	ND	10	9.1	91		9.5	95		70-130	4		20
Bromoform	ND	10	7.8	79		8.5	85		54-136	9		20
1,1,2,2-Tetrachloroethane	ND	10	9.6	96		10	101		67-130	4		20
Benzene	ND	10	9.7	97		10	103		70-130	3		20
Toluene	ND	10	9.2	92		10	100		70-130	8		20
Ethylbenzene	ND	10	9.1	91		9.8	98		70-130	7		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02
Lab Number: L1509154
Report Date: 05/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG783546-4 WG783546-5 QC Sample: L1509154-02 Client ID: MW-13A												
Chloromethane	ND	10	9.5	95		12	122		64-130	**23**	Q	20
Bromomethane	ND	10	3.0	**30**	Q	4.9	49		39-139	**48**	Q	20
Vinyl chloride	ND	10	14	**144**	Q	16	**156**	Q	55-140	13		20
Chloroethane	ND	10	14	138		14	**145**	Q	55-138	0		20
1,1-Dichloroethene	ND	10	9.5	95		10	102		61-145	5		20
trans-1,2-Dichloroethene	ND	10	9.0	90		9.7	97		70-130	7		20
Trichloroethene	ND	10	8.7	87		9.3	93		70-130	7		20
1,2-Dichlorobenzene	ND	10	8.2	82		8.8	88		70-130	7		20
1,3-Dichlorobenzene	ND	10	8.1	81		8.9	89		70-130	9		20
1,4-Dichlorobenzene	ND	10	8.1	81		8.8	88		70-130	8		20
Methyl tert butyl ether	ND	10	9.4	94		9.8	98		63-130	4		20
p/m-Xylene	ND	20	18	88		19	96		70-130	5		20
o-Xylene	ND	20	18	91		20	98		70-130	11		20
cis-1,2-Dichloroethene	ND	10	8.9	89		9.4	94		70-130	5		20
Dibromomethane	ND	10	8.6	86		9.0	90		70-130	5		20
1,2,3-Trichloropropane	ND	10	9.8	98		9.8	98		64-130	0		20
Acrylonitrile	ND	10	11	111		11	113		70-130	0		20
Diisopropyl Ether	ND	10	12	115		12	123		70-130	0		20
Tert-Butyl Alcohol	ND	50	42	84		44	87		70-130	5		20
Styrene	ND	20	18	90		20	98		70-130	11		20
Dichlorodifluoromethane	ND	10	12	122		13	131		36-147	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02
Lab Number: L1509154
Report Date: 05/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG783546-4 WG783546-5 QC Sample: L1509154-02 Client ID: MW-13A												
Acetone	ND	10	12	119		11	113		58-148	9		20
Carbon disulfide	ND	10	9.4	94		10	102		51-130	6		20
2-Butanone	ND	10	11	107		10	106		63-138	10		20
Vinyl acetate	ND	10	12	115		11	114		70-130	9		20
4-Methyl-2-pentanone	ND	10	9.4	94		9.6	96		59-130	2		20
2-Hexanone	ND	10	11	111		11	113		57-130	0		20
Acrolein	ND	10	7.9	79		8.0	80		40-160	1		20
Bromochloromethane	ND	10	9.1	91		10	100		70-130	9		20
2,2-Dichloropropane	ND	10	10	103		11	111		63-133	10		20
1,2-Dibromoethane	ND	10	8.4	84		8.9	89		70-130	6		20
1,3-Dichloropropane	ND	10	9.2	92		9.8	98		70-130	6		20
1,1,1,2-Tetrachloroethane	ND	10	9.4	94		10	102		64-130	6		20
Bromobenzene	ND	10	8.3	83		9.0	90		70-130	8		20
n-Butylbenzene	ND	10	8.9	89		9.6	96		53-136	8		20
sec-Butylbenzene	ND	10	8.5	85		9.2	93		70-130	8		20
tert-Butylbenzene	ND	10	8.6	86		9.4	94		70-130	9		20
o-Chlorotoluene	ND	10	9.2	93		10	100		70-130	8		20
p-Chlorotoluene	ND	10	9.4	94		10	101		70-130	6		20
1,2-Dibromo-3-chloropropane	ND	10	8.4	84		9.0	90		41-144	7		20
Hexachlorobutadiene	ND	10	6.2	**62**	Q	6.8	68		63-130	9		20
Isopropylbenzene	ND	10	8.3	83		9.1	91		70-130	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02

Lab Number: L1509154
Report Date: 05/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG783546-4 WG783546-5 QC Sample: L1509154-02 Client ID: MW-13A												
p-Isopropyltoluene	ND	10	8.3	83		9.0	90		70-130	8		20
Naphthalene	ND	10	7.3	73		7.9	79		70-130	8		20
n-Propylbenzene	ND	10	9.2	92		9.9	100		69-130	7		20
1,2,3-Trichlorobenzene	ND	10	6.6	**66**	Q	7.1	72		70-130	7		20
1,2,4-Trichlorobenzene	ND	10	6.9	**69**	Q	7.6	76		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	8.9	90		9.8	98		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	9.2	92		9.8	98		70-130	6		20
Methyl Acetate	ND	10	9.6	96		9.5	95		70-130	1		20
Ethyl Acetate	ND	10	11	108		11	108		70-130	0		20
Cyclohexane	ND	10	9.6J	96		9.7J	97		70-130	1		20
Ethyl-Tert-Butyl-Ether	ND	10	11	107		11	112		70-130	0		20
Tertiary-Amyl Methyl Ether	ND	10	9.0	90		9.2	92		66-130	2		20
1,4-Dioxane	ND	500	440	88		440	88		56-162	0		20
Freon-113	ND	10	7.7	77		8.0	80		70-130	4		20
p-Diethylbenzene	ND	10	8.4	84		9.3	93		70-130	10		20
p-Ethyltoluene	ND	10	9.1	91		9.9	99		70-130	8		20
1,2,4,5-Tetramethylbenzene	ND	10	8.6	86		9.3	93		70-130	8		20
Ethyl ether	ND	10	10	105		11	112		59-134	10		20
trans-1,4-Dichloro-2-butene	ND	10	8.7	87		9.3	93		70-130	7		20
Methyl cyclohexane	ND	10	7.5J	75		7.7J	77		70-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI

Project Number: DANA 01.15.02

Lab Number: L1509154

Report Date: 05/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG783546-4 WG783546-5 QC Sample: L1509154-02 Client ID: MW-13A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		108		70-130
4-Bromofluorobenzene	112		112		70-130
Dibromofluoromethane	101		99		70-130
Toluene-d8	103		103		70-130

PCBS

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-01
Client ID: MW-14A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/15 05:56
Analyst: JT

Date Collected: 04/30/15 12:30
Date Received: 04/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/05/15 09:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-02
Client ID: MW-13A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/15 06:11
Analyst: JT

Date Collected: 04/30/15 13:10
Date Received: 04/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/05/15 09:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-03
Client ID: MW-6R
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/15 06:26
Analyst: JT

Date Collected: 04/30/15 14:15
Date Received: 04/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/05/15 09:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	37		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	39		30-150	A

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-04
Client ID: MW-18
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/15 06:55
Analyst: JT

Date Collected: 04/30/15 14:51
Date Received: 04/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/05/15 09:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-05
Client ID: DUP 043015
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/15 06:40
Analyst: JT

Date Collected: 04/30/15 00:00
Date Received: 04/30/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/05/15 09:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02
Lab Number: L1509154
Report Date: 05/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/06/15 08:22
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 05/05/15 09:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG781953-1						
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	71		30-150	A

Matrix Spike Analysis

Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI

Project Number: DANA 01.15.02

Lab Number: L1509154

Report Date: 05/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG781953-4 WG781953-5 QC Sample: L1509154-02 Client ID: MW-13A													
Aroclor 1016	ND	2.6	1.65	63		1.63	63		40-140	1		50	A
Aroclor 1260	ND	2.6	1.76	68		1.68	64		40-140	5		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		57		30-150	B
Decachlorobiphenyl	66		62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		57		30-150	A
Decachlorobiphenyl	70		66		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI

Project Number: DANA 01.15.02

Lab Number: L1509154

Report Date: 05/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG781953-2 WG781953-3									
Aroclor 1016	62		63		40-140	1		50	A
Aroclor 1260	66		67		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		51		30-150	B
Decachlorobiphenyl	69		67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	51		52		30-150	A
Decachlorobiphenyl	74		72		30-150	A

METALS

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-01
Client ID: MW-14A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 04/30/15 12:30
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00128		mg/l	0.00100	0.00025	1	05/06/15 13:41	05/06/15 17:11	EPA 3005A	1,6020A	KL
Copper, Total	0.00242		mg/l	0.00100	0.00026	1	05/06/15 13:41	05/06/15 17:11	EPA 3005A	1,6020A	KL
Lead, Total	0.00015	J	mg/l	0.00100	0.00012	1	05/06/15 13:41	05/06/15 17:11	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00256	1	05/06/15 13:41	05/06/15 17:11	EPA 3005A	1,6020A	KL

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-02
Client ID: MW-13A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 04/30/15 13:10
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00083	J	mg/l	0.00100	0.00025	1	05/06/15 13:41	05/06/15 16:14	EPA 3005A	1,6020A	KL
Copper, Total	ND		mg/l	0.00100	0.00026	1	05/06/15 13:41	05/06/15 16:14	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	05/06/15 13:41	05/06/15 16:14	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00256	1	05/06/15 13:41	05/06/15 16:14	EPA 3005A	1,6020A	KL

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-03
Client ID: MW-6R
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 04/30/15 14:15
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00091	J	mg/l	0.00100	0.00025	1	05/06/15 13:41	05/06/15 17:15	EPA 3005A	1,6020A	KL
Copper, Total	0.00052	J	mg/l	0.00100	0.00026	1	05/06/15 13:41	05/06/15 17:15	EPA 3005A	1,6020A	KL
Lead, Total	0.00017	J	mg/l	0.00100	0.00012	1	05/06/15 13:41	05/06/15 17:15	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00256	1	05/06/15 13:41	05/06/15 17:15	EPA 3005A	1,6020A	KL

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-04
Client ID: MW-18
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 04/30/15 14:51
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00045	J	mg/l	0.00100	0.00025	1	05/06/15 13:41	05/06/15 17:18	EPA 3005A	1,6020A	KL
Copper, Total	0.00031	J	mg/l	0.00100	0.00026	1	05/06/15 13:41	05/06/15 17:18	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	05/06/15 13:41	05/06/15 17:18	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00256	1	05/06/15 13:41	05/06/15 17:18	EPA 3005A	1,6020A	KL

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Lab Number: L1509154
Project Number: DANA 01.15.02
Report Date: 05/12/15

SAMPLE RESULTS

Lab ID: L1509154-05
Client ID: DUP 043015
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 04/30/15 00:00
Date Received: 04/30/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00031	J	mg/l	0.00100	0.00025	1	05/06/15 13:41	05/06/15 17:22	EPA 3005A	1,6020A	KL
Copper, Total	0.00029	J	mg/l	0.00100	0.00026	1	05/06/15 13:41	05/06/15 17:22	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	05/06/15 13:41	05/06/15 17:22	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00256	1	05/06/15 13:41	05/06/15 17:22	EPA 3005A	1,6020A	KL

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02
Lab Number: L1509154
Report Date: 05/12/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG782339-1										
Chromium, Total	0.00034	J	mg/l	0.00100	0.00025	1	05/06/15 13:41	05/06/15 16:03	1,6020A	KL
Copper, Total	ND		mg/l	0.00100	0.00026	1	05/06/15 13:41	05/06/15 16:03	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	05/06/15 13:41	05/06/15 16:03	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00256	1	05/06/15 13:41	05/06/15 16:03	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI

Project Number: DANA 01.15.02

Lab Number: L1509154

Report Date: 05/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG782339-2								
Chromium, Total	105		-		80-120	-		
Copper, Total	110		-		80-120	-		
Lead, Total	111		-		80-120	-		
Zinc, Total	115		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02

Lab Number: L1509154
Report Date: 05/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG782339-3 WG782339-4 QC Sample: L1509154-02 Client ID: MW-13A												
Chromium, Total	0.00083J	0.2	0.2231	112		0.2084	104		75-125	7		20
Copper, Total	ND	0.25	0.2836	113		0.2649	106		75-125	7		20
Lead, Total	ND	0.51	0.5783	113		0.5605	110		75-125	3		20
Zinc, Total	ND	0.5	0.6061	121		0.5811	116		75-125	4		20

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02

Lab Number: L1509154
Report Date: 05/12/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1509154-01A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-01B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-01C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-01D	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-01E	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-01F	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1509154-02A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02A1	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02A2	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02B1	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02B2	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02C1	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02C2	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-02D	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-02D1	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-02D2	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-02E	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-02E1	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-02E2	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-02F	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1509154-02F1	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: SEMI-ANNUAL GROUNDWATER SAMPLI
Project Number: DANA 01.15.02

Lab Number: L1509154
Report Date: 05/12/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1509154-02F2	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1509154-03A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-03B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-03C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1509154-03D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-03E	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-03F	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1509154-04A	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1509154-04B	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1509154-04C	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1509154-04D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-04E	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-04F	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1509154-05A	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1509154-05B	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1509154-05C	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1509154-05D	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-05E	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1509154-05F	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1509154-06A	Vial HCl preserved	B	N/A	3.4	Y	Absent	HOLD-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SEMI-ANNUAL GROUNDWATER SAMPLI	**Lab Number:**	L1509154
Project Number:	DANA 01.15.02	**Report Date:**	05/12/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SEMI-ANNUAL GROUNDWATER SAMPLI	**Lab Number:**	L1509154
Project Number:	DANA 01.15.02	**Report Date:**	05/12/15

Data Qualifiers

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SEMI-ANNUAL GROUNDWATER SAMPLI	**Lab Number:**	L1509154
Project Number:	DANA 01.15.02	**Report Date:**	05/12/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 5/1/15

ALPHA Job #: L1509154

Client Information

Client: Synapse Risk Management LLC
Address: 360 Erie Blvd. East
Syracuse, NY 13202
Phone: 315-475-3700
Fax: 315-475-3780
Email: rcreighton@synapsellc.com

Project Information

Project Name: Semi-Annual Groundwater Sampling
Project Location: 2700 Bleecker St, Utica, NY
Project #: DANA 01.15.02
(Use Project name as Project #)
Project Manager: Roger Creighton
ALPHAQuote #:

Turn-Around Time

Standard: X Due Date: 5/12/15
Rush (only if pre approved): # of Days:

Deliverables

ASP-A: ☐ ASP-B: X
EQuIS (1 File): ☐ EQuIS (4 File): ☐
Other: ☐

Regulatory Requirement

NY TOGS: X NY Part 375: ☐
AWQ Standards: ☐ NY CP-51: ☐
NY Restricted Use: ☐ Other: ☐
NY Unrestricted Use: ☐
NYC Sewer Discharge: ☐

Billing Information

Same as Client Info: X
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ: ☐ NY: X
Other: ☐

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCBs 8082	TO Metals - Pb, Zn, Cr, Cu	VOCs - TCE, Cis-, Trans-1,2 DCE, VC						Total Bottle
L1509154-01	MW-14A	4/30/15	12:30	GW	RC	2	1	3						
-02	MW-13A /MS /MSD	4/30/15	13:10	GW	RC	6	3	9						
-03	MW-6R	4/30/15	14:15	GW	RC	2	1	3						
-04	MW-18	4/30/15	14:51	GW	RC	2	1	3						
-05	Dup. 043015	4/30/15		GW	RC	2	1	3						

Sample Filtration
Done: ☐
Lab to do: ☐
Preservation
Lab to do: ☐
(Please Specify below)

Sample Specific Comments

Container Type	A	P	V
Preservative	A	C	B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	4/30/15 16:10		4/30/15 16:10
	4/30/15 2210		4/30/15 2210
	5/1/15 0040		5/1/15 0040

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1527969
Client:	Synapse Risk Management, LLC 360 Erie Blvd. East Syracuse, NY 13202
ATTN:	Roger Creighton
Phone:	(315) 475-3700
Project Name:	2200 BLEECKER ST., SA GW
Project Number:	DANA 01.15.02
Report Date:	11/12/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 2200 BLEECKER ST., SA GW
Project Number: DANA 01.15.02

Lab Number: L1527969
Report Date: 11/12/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1527969-01	MW-14A	WATER	2200 BLEECKER ST., UTICA, NY	10/29/15 12:10	10/29/15
L1527969-02	MW-13A	WATER	2200 BLEECKER ST., UTICA, NY	10/29/15 13:05	10/29/15
L1527969-03	MW-6R	WATER	2200 BLEECKER ST., UTICA, NY	10/29/15 13:40	10/29/15
L1527969-04	MW-18	WATER	2200 BLEECKER ST., UTICA, NY	10/29/15 14:10	10/29/15
L1527969-05	102815 DUP	WATER	2200 BLEECKER ST., UTICA, NY	10/29/15 00:00	10/29/15
L1527969-06	TRIP BLANK	WATER	2200 BLEECKER ST., UTICA, NY	10/29/15 00:00	10/29/15

Project Name:	2200 BLEECKER ST., SA GW	**Lab Number:**	L1527969
Project Number:	DANA 01.15.02	**Report Date:**	11/12/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	2200 BLEECKER ST., SA GW	**Lab Number:**	L1527969
Project Number:	DANA 01.15.02	**Report Date:**	11/12/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 11/12/15

ORGANICS

VOLATILES

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-01
Client ID: MW-14A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/15 17:38
Analyst: MS

Date Collected: 10/29/15 12:10
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-02
Client ID: MW-13A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/15 19:01
Analyst: MS

Date Collected: 10/29/15 13:05
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-03
Client ID: MW-6R
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/15 19:28
Analyst: MS

Date Collected: 10/29/15 13:40
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-04
Client ID: MW-18
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/15 19:56
Analyst: MS

Date Collected: 10/29/15 14:10
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	2.2		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-05
Client ID: 102815 DUP
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/15 20:23
Analyst: MS

Date Collected: 10/29/15 00:00
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	2.2		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 2200 BLEECKER ST., SA GW
Project Number: DANA 01.15.02
Lab Number: L1527969
Report Date: 11/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/09/15 13:02
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG838930-3					
Vinyl chloride	ND		ug/l	1.0	0.07
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER ST., SA GW

Project Number: DANA 01.15.02

Lab Number: L1527969

Report Date: 11/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG838930-1 WG838930-2								
Vinyl chloride	81		77		55-140	5		20
trans-1,2-Dichloroethene	105		100		70-130	5		20
Trichloroethene	105		99		70-130	6		20
cis-1,2-Dichloroethene	110		104		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		83		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	101		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER ST., SA GW
Project Number: DANA 01.15.02

Lab Number: L1527969
Report Date: 11/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG838930-4 WG838930-5 QC Sample: L1527969-01 Client ID: MW-14A												
Vinyl chloride	ND	10	9.1	91		8.9	89		55-140	2		20
trans-1,2-Dichloroethene	ND	10	11	111		11	109		70-130	0		20
Trichloroethene	ND	10	11	110		11	107		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	113		11	112		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		86		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	102		102		70-130
Toluene-d8	99		99		70-130

PCBS

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-01
Client ID: MW-14A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/06/15 01:18
Analyst: JT

Date Collected: 10/29/15 12:10
Date Received: 10/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/05/15 11:23
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	107		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-02
Client ID: MW-13A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/06/15 01:35
Analyst: JT

Date Collected: 10/29/15 13:05
Date Received: 10/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/05/15 11:23
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	99		30-150	A

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-03
Client ID: MW-6R
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/06/15 01:51
Analyst: JT

Date Collected: 10/29/15 13:40
Date Received: 10/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/05/15 11:23
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID:	L1527969-04	Date Collected:	10/29/15 14:10
Client ID:	MW-18	Date Received:	10/29/15
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/05/15 11:23
Analytical Date:	11/06/15 02:07	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/05/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID:	L1527969-05	Date Collected:	10/29/15 00:00
Client ID:	102815 DUP	Date Received:	10/29/15
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/05/15 11:23
Analytical Date:	11/06/15 02:24	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/05/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: 2200 BLEECKER ST., SA GW

Project Number: DANA 01.15.02

Lab Number: L1527969

Report Date: 11/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/05/15 23:56
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 11/05/15 11:23
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG837698-1						
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	111		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER ST., SA GW
Project Number: DANA 01.15.02

Lab Number: L1527969
Report Date: 11/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG837698-4 WG837698-5 QC Sample: L1527969-01 Client ID: MW-14A													
Aroclor 1016	ND	2.6	2.24	86		2.33	90		40-140	4		50	A
Aroclor 1260	ND	2.6	2.55	98		2.71	104		40-140	6		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		89		30-150	B
Decachlorobiphenyl	103		109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		78		30-150	A
Decachlorobiphenyl	95		99		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER ST., SA GW

Project Number: DANA 01.15.02

Lab Number: L1527969

Report Date: 11/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG837698-2 WG837698-3									
Aroclor 1016	88		97		40-140	9		50	A
Aroclor 1260	102		108		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		91		30-150	B
Decachlorobiphenyl	104		111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		82		30-150	A
Decachlorobiphenyl	100		105		30-150	A

METALS

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-01
Client ID: MW-14A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/29/15 12:10
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00386		mg/l	0.00100	0.00025	1	11/03/15 09:45	11/05/15 13:42	EPA 3005A	1,6020A	KL
Copper, Total	0.00229		mg/l	0.00100	0.00026	1	11/03/15 09:45	11/05/15 13:42	EPA 3005A	1,6020A	KL
Lead, Total	0.00031	J	mg/l	0.00100	0.00012	1	11/03/15 09:45	11/05/15 13:42	EPA 3005A	1,6020A	KL
Zinc, Total	0.01123		mg/l	0.01000	0.00256	1	11/03/15 09:45	11/05/15 13:42	EPA 3005A	1,6020A	KL

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-02
Client ID: MW-13A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/29/15 13:05
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.01083		mg/l	0.00100	0.00025	1	11/03/15 09:45	11/05/15 14:25	EPA 3005A	1,6020A	KL
Copper, Total	0.00053	J	mg/l	0.00100	0.00026	1	11/03/15 09:45	11/05/15 14:25	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	11/03/15 09:45	11/05/15 14:25	EPA 3005A	1,6020A	KL
Zinc, Total	0.00415	J	mg/l	0.01000	0.00256	1	11/03/15 09:45	11/05/15 14:25	EPA 3005A	1,6020A	KL

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-03
Client ID: MW-6R
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/29/15 13:40
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00665		mg/l	0.00100	0.00025	1	11/03/15 09:45	11/05/15 14:28	EPA 3005A	1,6020A	KL
Copper, Total	0.00040	J	mg/l	0.00100	0.00026	1	11/03/15 09:45	11/05/15 14:28	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	11/03/15 09:45	11/05/15 14:28	EPA 3005A	1,6020A	KL
Zinc, Total	0.00603	J	mg/l	0.01000	0.00256	1	11/03/15 09:45	11/05/15 14:28	EPA 3005A	1,6020A	KL

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-04
Client ID: MW-18
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/29/15 14:10
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00470		mg/l	0.00100	0.00025	1	11/03/15 09:45	11/05/15 18:13	EPA 3005A	1,6020A	KL
Copper, Total	0.00595		mg/l	0.00100	0.00026	1	11/03/15 09:45	11/05/15 18:13	EPA 3005A	1,6020A	KL
Lead, Total	0.00100		mg/l	0.00100	0.00012	1	11/03/15 09:45	11/05/15 18:13	EPA 3005A	1,6020A	KL
Zinc, Total	0.00260	J	mg/l	0.01000	0.00256	1	11/03/15 09:45	11/05/15 18:13	EPA 3005A	1,6020A	KL

Project Name: 2200 BLEECKER ST., SA GW
Lab Number: L1527969
Project Number: DANA 01.15.02
Report Date: 11/12/15

SAMPLE RESULTS

Lab ID: L1527969-05
Client ID: 102815 DUP
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/29/15 00:00
Date Received: 10/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00398		mg/l	0.00100	0.00025	1	11/03/15 09:45	11/05/15 18:17	EPA 3005A	1,6020A	KL
Copper, Total	0.00509		mg/l	0.00100	0.00026	1	11/03/15 09:45	11/05/15 18:17	EPA 3005A	1,6020A	KL
Lead, Total	0.00100		mg/l	0.00100	0.00012	1	11/03/15 09:45	11/05/15 18:17	EPA 3005A	1,6020A	KL
Zinc, Total	0.00275	J	mg/l	0.01000	0.00256	1	11/03/15 09:45	11/05/15 18:17	EPA 3005A	1,6020A	KL

Project Name: 2200 BLEECKER ST., SA GW
Project Number: DANA 01.15.02
Lab Number: L1527969
Report Date: 11/12/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG836793-1										
Chromium, Total	0.00089	J	mg/l	0.00100	0.00025	1	11/03/15 09:45	11/05/15 13:31	1,6020A	KL
Copper, Total	ND		mg/l	0.00100	0.00026	1	11/03/15 09:45	11/05/15 13:31	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	11/03/15 09:45	11/05/15 13:31	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00256	1	11/03/15 09:45	11/05/15 13:31	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2200 BLEECKER ST., SA GW

Project Number: DANA 01.15.02

Lab Number: L1527969

Report Date: 11/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG836793-2								
Chromium, Total	95		-		80-120	-		
Copper, Total	100		-		80-120	-		
Lead, Total	104		-		80-120	-		
Zinc, Total	105		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 2200 BLEECKER ST., SA GW
Project Number: DANA 01.15.02

Lab Number: L1527969
Report Date: 11/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG836793-3 WG836793-4 QC Sample: L1527969-01 Client ID: MW-14A												
Chromium, Total	0.00386	0.2	0.2032	100		0.1749	86		75-125	15		20
Copper, Total	0.00229	0.25	0.2507	99		0.2184	86		75-125	14		20
Lead, Total	0.00031J	0.51	0.5374	105		0.5170	101		75-125	4		20
Zinc, Total	0.01123	0.5	0.5108	100		0.4460	87		75-125	14		20

Project Name: 2200 BLEECKER ST., SA GW
Project Number: DANA 01.15.02

Lab Number: L1527969
Report Date: 11/12/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1527969-01A	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01A1	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01A2	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01B	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01B1	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01B2	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01C	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01C1	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01C2	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-01D	Plastic 250ml HNO3 preserved	A	<2	3.2	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1527969-01D1	Plastic 250ml HNO3 preserved	A	<2	3.2	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1527969-01D2	Plastic 250ml HNO3 preserved	A	<2	3.2	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1527969-01E	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-01E1	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-01E2	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-01F	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-01F1	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-01F2	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-02A	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-02B	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-02C	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-02D	Plastic 250ml HNO3 preserved	A	<2	3.2	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1527969-02E	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-02F	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: 2200 BLEECKER ST., SA GW
Project Number: DANA 01.15.02

Lab Number: L1527969
Report Date: 11/12/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1527969-03A	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-03B	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-03C	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-03D	Plastic 250ml HNO3 preserved	A	<2	3.2	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1527969-03E	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-03F	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-04A	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-04B	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-04C	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-04D	Plastic 250ml HNO3 preserved	A	<2	3.2	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1527969-04E	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-04F	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-05A	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-05B	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-05C	Vial HCl preserved	B	N/A	5.4	Y	Absent	NYTCL-8260(14)
L1527969-05D	Plastic 250ml HNO3 preserved	A	<2	3.2	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1527969-05E	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-05F	Amber 1000ml unpreserved	B	7	5.4	Y	Absent	NYTCL-8082-1200ML(7)
L1527969-06A	Vial HCl preserved	B	N/A	5.4	Y	Absent	HOLD-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	2200 BLEECKER ST., SA GW	**Lab Number:**	L1527969
Project Number:	DANA 01.15.02	**Report Date:**	11/12/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers

Project Name:	2200 BLEECKER ST., SA GW	**Lab Number:**	L1527969
Project Number:	DANA 01.15.02	**Report Date:**	11/12/15

Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2200 BLEECKER ST., SA GW	**Lab Number:**	L1527969
Project Number:	DANA 01.15.02	**Report Date:**	11/12/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; Iodomethane (methyl iodide) (soil); Methyl methacrylate (soil); Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/30/15

ALPHA Job #: L1527969

Client Information
Client: Synapse Risk Management
Address: 360 Erie Blvd. East
Syracuse, NY 13210
Phone: 315-475-3700
Fax: 315-475-3780
Email: rcreighton@synapse-ll.com

Project Information
Project Name: 2200 Harbor St Semi-Annual Groundwater
Project Location: 2200 Bleecker St., Utica, NY
Project #: DANA 01-15.02
(Use Project name as Project #) ☐
Project Manager: Roger Creighton
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
* TCL Volatiles
** Total Metals
PCBs - 1254,1260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	* TCL Volatiles	** Total Metals	PCBs - 1254,1260	Sample Specific Comments
27969-01	MW-14A MSD/MS	10/29/15	12:10	GW	RC	9	3	6	*TCE, cis-dce, Trans-dce, VC
-02	MW-13A	10/29/15	13:05	GW	RC	3	1	2	
-03	MW-6R	10/29/15	13:40	GW	RC	3	1	2	** Pb, Zn, Cr, Cu
-04	MW-18	10/29/15	14:10	GW	RC	3	1	2	
-05	102915 Dup	10/29/15		GW	RC	3	1	2	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	P	A										
Preservative	B	C	A										

Relinquished By:	Date/Time	Received By:	Date/Time
	10/29/15 15:47	AAL	10/29/15 15:42
	10/30/15 0015		10/30/15 0015
	10/30/15 0330		10/30/15 0330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX H
DMR'S AND GROUNDWATER TREATMENT SYSTEM INSPECTION LOGS

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

~~1/6/15~~

2015

1/6/15

45°F cloudy
49°F inside

on site for alarm response and Monthly Sampling

Change PI filter

gasket blew on A/S

had to turn ~~down~~ off A/S
I will call PGC
to come out for repair

No sample collected as System was down

1/7/15

15°F / Slow
40°F

P&C Karl / Eddie on site to Rx A/S, install wye screen in 6B and install MH-2 flow sensor

Installed MH-2 flow sensor 20" from 90° Elbow on horiz pipe run. 2" reducer (from 3")

MH-2 flow sensor does work, reading 5-6 GPM after pipe fills but 2" pipe does not fill completely Measured flow from sample port which is ~15 GPM not 5-6 as recorded by sensor

Sample @ 1355
pH 7.47
MH1 @ 1405 pH 7.29
MH2 @ 1410 pH 7.41

Charge P1, P2

→

1/7/15 cont

MH1 9123900
MH2 3073969
FJ 4048
B-FM 2471047 7
1093260

off site 1550

JC Mench

1/14/15

20°F
sunny
50°F interior

On site for weekly sampling

No alarms

Change P1, P2 filters

Sample Effluent @ 1520
pH 7.68

MH-2 @ 1530

MH-1 9[redacted]153731
MH-2 3[redacted]
FS 4848
Eff 2[redacted]17607
BPM 1102410

Off site
@ 1545

KMueck

1/22/15

52°F inside

On site for weekly sampling
No alarms

Change P1, P2 filters

Sample Effluent @ 1025
pH: 7.52

MH-2 @ 1035

MH 1 9160079
MH 2 3093397
FS 4848
Eff 2465 8017

Off site @ [redacted] 1050

KMueck

1/28/2015
On site @ 1350 for weekly sampling.
Outside temp. 22°F Sunny
Inside temp. 60°F

No alarms

Changed P1

Sampled MH2 @ 1404
pH 7.41

Sampled effluent @ 1412
pH 6.87

MH1: 9160079
MH2: 3095713
Sump: 4848
Effluent: 24897213
BFM: 111 3200

Offsite @ 1420

A. Gilbert

2/5/2015
On site @ 1411 for monthly samples
Outside temp @ 11°F sunny
Inside temp 60°F

No alarms
Changed P1 & P2

Sampled MH2 @ 1425 pH 6.83

Sampled MH1 @ 1430 pH 6.56

Sampled effluent @ 1435 pH 6.50

MH1 09170876
MH2 3100328
Sump 4848
Effluent 24942802
BFM 111 8280

Offsite @ 1450

A. Gilbert

52°f interior

2/12/15

On site for weekly sampling

No alarms
Change P1 filter

Sample effluent @ 1035
pH: 7.19
MH-2 @ 1040

MH 1	9181922
MH 2	3103859
BFM	1122240
Eff	24579315
FS	4982

off site @ 1100

K Merrick

2/18/15 shoveled out door/pathway

104° sunny
42° inside

On site for sampling
no alarms

Change P1 + P2 filters

Sample eff @ 1035
ph 7.44
MH-2 @ 1040

MH 1	9190776
MH 2	3105625
BFM	1125630
FS	4897
Eff	1125630

off site @ 1100

K Merrick

2/24/15

50°F inside
10°F outside
sunny

pathway to building is completely blocked in

no alarms, here for weekly sampling

Change PI filter

sample effluent @ 1320
ph 7.47

MH-2 @ 1325

MH-1 #9198701
MH-2 3107605
FS 4897
Eff 25036662
BFM 1128760

off site @ 1335

Knueck

3/3/15

sunny 15°F
inside 46°F

CHA on site w/PEC and electrician and later Kam to install sensor for EQ tank and do monthly sampling
CHA + PEC spend 1 hr plus clearing snow
No Alarms on system

Calibrate pH meter, change PI, P2 bag filters

Ultrasonic sensor finally up and working. Addtl electrical upgrades and rewiring needed → also wiring error in Engler panel box (on site → Mike from Engler Electric)

Engler + PEC off site @ 1350

sample MH-1 @ 1355 pH: 7.36
MH 2 @ 1400 pH: 6.36
Sample Eff @ 1410 pH: 6.78 6.05

begin Eff: 25065362 EQ 1300
Eff 25065648 1100

MH1 9207194
MH2 3109876
FS 4897

off site 1420

3/12/2015
Onsite @ 13 20 for weekly sampling
70°F interior
34°F exterior, Sunny

No alarms

Changed P1 bag filters

Sampled MH2 @ 1345

Sampled Effluent @ 1355
pH 7.95

MH1 9220503
MH2 3114016
Sump 4897
Effluent 25109070
BFM 1136840
1369

offsite @ 1410

A. Gilbert

3/18/2015
Onsite @ 1215 for weekly samples.
Outside weather 29°F Sunny
Inside 60°F

No alarms

Changed P1, P2

Sampled MH2 @ 1234

Sampled effluent @ ~~1235~~ 1240
pH 7.13

MH1 09237143
MH2 3116864
Sump 4897
Effluent 25157670
BFM 1142270
1348

offsite @ 1245

A. Gilbert

3/26/2015
Rain, cloudy 45°F
Inside temp: 60°F
No alarms

Changed P1

MH2 sampled @ 1430

Effluent sampled @ 1435
pH: 7.78

MH1 9264827
MH2 3118206
Effluent 25225737
Sump 4897
BFM 1149880
811

offsite
1450

4/1/15

35°F sunny
58°F inside

On site for monthly/weekly sampling

no alarms

Sampled MH-2 @ 0935
pH 6.54

Change P1, P2 after

Sample MH-1 @ 0950
pH: 6.65

Effluent @ 0955
pH: 6.62

MH 1 9304489
MH 2 3120721
FS 4914
Eff 25303681
BFM 1158600

off site @ 1010

J Merck

Cloudy 500

4/9/15

UTA on site for sampling and alarm response: Bag Filters high (no alarm)
MH-1, MH-2 high alarms
changed P1, P2 filters which were very clogged

NOTE: A/S comes on when EQ is ~1955 gallons full, off @ ~1015 gallons full

Sample MH-2 @ 1620
Effluent @ 1625
pH: 7.08

charge P1 a 2nd time

left P1 off to try and reduce NTU in EQ tank

MH 1 93588895
MH 2 3124028
BS 4983
BFM 1171290

off site 1650

4/15/2015 On site at 750
for weekly sampling
Outside: Sunny 45°F
Inside: 48°F

One alarm - Manhole 1 high alarm
• will automatically reset when manhole is pumped down

Charged P1 + P2

Sampled MH2 @ 800

Sampled Effluent @ 805
pH 6.75

MH1 09400483
MH2 3127162
Sump 4983
Effl. 25499855
BFM 1181840

Offsite 815

A Gilbert

rain, 500

4/22/15

On-site for weekly Sampling

No alarms
Change P1

Sample Effluent @ 1315
pH 7.08
MH-2 @ 1325

MH-1 9435426
MH-2 3128375
PS 5025
Eff 25590593
BFM 1192000

off site 1335

L Merck

4/29/2015
On site for weekly sampling
Sunny 68°F outside, 70°F inside

No alarms

Changed P1 + P2

Sampled MH2 @ 1330

Sampled Effluent @ 1335
pH 7.62

MH1 9471455
MH2 3129028
Effluent 25680752
Sump 5025
BFM 1202120

off site @ 1350

A Gilbert

5/7/2015

CHA on site for monthly samples
Outside temp 75°F Sunny
Inside temp 75°F
Turned off heaters
No alarms
Charged P1, ~~P2~~

Sampled MH1 @ 1345
pH 7.74
Sampled MH2 @ 1350
pH 7.20
Sampled Effluent @ 1355
pH 6.80

MH1 9495293
MH2 3129278
Sump 5025
Effluent 25680752
BFM 12097 90

Offsite @ 1405
A Setter

5/13/2015

CHA on site for weekly sainples
58°F outside, overcast

No alarms

Charged P1 + P2

Sampled MH2 @ 1315

Sampled Effluent @ 1320
pH 8.01

MH1 9513064
MH2 3129438
Sump 5025
Effluent 25680752
BFM 12155 90

off site @ 1345
A Setter

53° F P/sunny

5/20/15

On site for weekly sampling

No alarms

Changed P1

Sample Effluent @ 1445

pH: 8.45

MH-2 @ 1450

MH-1 9534918
MH-2 3129594
FS 5025
Eff 25680752
BFM 1222530

off site @ ~~0815~~ 1500

K Merck

5/28/2015

On site @ 1435 for weekly samples

Sunny 73°F outside

inside @ 78°F

No alarms

Changed P1 + P2

MH2 sampled @ 1443

~~MH~~

Effluent sampled @ 1450

pH 7.24

MH1 9554225
MH2 3129745
Sump 5052
Effluent 25680752
BFM 1229090

offsite @ 1500

A Fuller

6/3/2015 Sunny 70°F
CHA on site for monthly samples
No alarms
Changed P1

Sampled MH1 @ 1405
pH 7.85
Sampled MH2 @ 1410
pH 6.99
Sampled Effluent @ 1415
pH 6.78

MH1 9570243
MH2 3129871
Sump 5052
Effluent 25701376
BFM 1234480

CHA offsite @ 1430

A. Gilkes

6/10/2015 Sunny 73°F
CHA on site for weekly samples
No alarm

Change P1 & P2

Sampled MH2 @ 1315

Sampled Effluent @ 1320
pH 7.91

MH1 9590898
MH2 3130040
Sump 5052
Effluent 25761993
BFM 1241260

offsite @ 1330

D. Gilkes

6/18/2015 weather 75°F overcast

CHA onsite @ 1250 for weekly samples and meeting with NYSDEC

No alarms

Changed PI

Sampled MH2 @ 1300

Sampled Effluent @ 1305
pH 7.27

MH1 9590998
MH2 3130040
Sump 5052
Effluent 25762148
BFM 1241280

Offsite @ 1345
D. Gellar

6/24/2015

On site for weekly sampling

no alarms

CHA notes no flow since last week for effluent meter.

Did not change filters.

output 1 = 9/17 ma output 2 = 2/4 ma

Sample MH-2 @ 1510
Effluent @ 1540
pH. 7.62

off site @ 1600

K Merck

6/30/2015 Overcast 63°F
Onsite @ 1345 for weekly samples

MH1 Sump alarm - reset by draining into EQ tank

Changed P1 + P2

MH1 09640362
MH2 03130227
Sump 5095
Effluent 25846012
BFM 125080.0
Sampled MH2 @ 1352
Sampled Effluent @ 1400
pH 5.76

Offsite @ 1415

A. Miller

7/9/2015 70°F Sunny

CHA on site for monthly sampling

No alarms
Changed P1
Sampled MH1 @ 1345
pH 6.19

Sampled MH2 @ 1350
pH: 6.19

Sampled Effluent @ 1355
pH 5.58

MH1 9678216
MH2 3130429
Sump 5095
Effluent 25954785

CHA offsite @ ~~1~~PM 1410

A. Miller

7/15/2015 66°F Sunny

CHA onsite @ 1345 for weekly samples

No alarms

Changed P1 + P2

Calibrated pH meter

MH2 sampled @ 1357

Effluent sampled @ 1405
pH 6.77

MH1 96787665
MH2 3130429
Sump 5095
Effluent 26015363
BFM 1269550

Sampled Effluent pH via lab

offsite @ 1415 A. Miller

7/23/15 10-1 sunny

on site for weekly sampling
no alarms

change P1 filter

gasket seal on P1 leaking slightly

MH1 9696095
MH2 3130450
FS 5162
Eff 26069796
BfM 1275580

Sample ~~MH2~~ Effluent @ 1330
pH 7.81
Sample MH-2 @ 1340

new pH meter today,
☆ calibrated ☆

off site 1615

Kareem

7/29/2015 @ 9am 84°F & Sunny

On Site for WKly Sample Collection

No Alarms EQ @ 1458 w/MH2 pumping

MH1 = 9709915
MH2 = 3130527
FS = 5165
Eff = 26117743
BfM = 1280890

Sample: MH2 @ 10am w/pH@ 7.25
Eff @ 10:10am w/pH@ 8.42

Changed P1 & P2 (100mm & 50mm) filters

Left Site 11am

CW

8/6/15 P1 sump 66°F

on site for monthly sampling
no alarms

change P1 filter

Sample MH-1 @ 0826 pH: 7.38
MH-2 @ 0830 pH: 7.49
Effluent @ 0835 pH: 8.50

MH-1 9723553
MH-2 31380601
BFM 1286560
EFF 26168926
FS 5172

off site 0845

8/13/2015 Overcast 70°F

On site for weekly samples
No alarms

Changed P1 + P2 filters

Sampled
MH2 @ 930
Effluent @ 935
pH 8.29

MH1 9734959
MH2 3130653
Effluent 26215372
Sump 5172
BFM 1291720

offsite 945AM
A. Miller

8/20/2015
On site for weekly samples
No alarms
Outside temp 78°F overcast

Changed P1 filter

Sampled MH2 @ 1520

Sampled Effluent @ 1525
pH 8.46

MH1 9749762
MH2 3130740
Sump 5172
Effluent 26265891
BFM 1292330

Offsite 1600

A. Miller

8/26/2015 78°F Sunny
On site @ 1255 for weekly samples
No alarms

Changed P1, P2 bag filters

Sampled MH2 @ 1315

Sampled Effluent @ 1320
pH 8.57

MH1 9767336
MH2 3130842
Sump 5172
Effluent 26318590
BFM 1303190

Offsite @ 1345

A. Miller

9/3/2015 Fog 73°F

On site for monthly samples

No alarms

Changed PI filter

Sampled:
MH1 @ 806
pH: 7.57
MH2 @ 815
pH: 7.69
Effluent @ 820
pH: 8.24

MH1: 9781775
MH2: 3130907
Sump: 5172
Effluent: 26370433
BFM: 1308970

offsite @ 830

D. Miller

9/8/2015 60°F Sunny

PEC on site for cleaning @ 800.
Bruce, Dylan, Eddie, Pat

C Mullin + P. Paul on site for inspection

System shut down, for cleaning, no alarms
EQ reads 1223 @ start

drilled holes in trays, will power wash 9/9/15

off site 1430

K Allen

9/9/15 US Sunny

Day 2 of cleaning @ 900
Eddie, Dustin, Brian from PEC

finish drilling holes and began power washing trays

also sucked out H_2O from very bottom A/S tray and removed scale build up

Eddie checked floats -> no visible part #s

A/S back together @ 1200

continued site cleanup

System back running @ 130
change P1 filter
off site @ 1330

Katlyn Merck

9/11/15 foggy 65°F

on site for weekly sampling
- no alarms

- change P1, P2 filters

- Calibrate pH meter
using 2 point cal 4.00 & 7.00 Cal

Sample Eff @ 1000
pH 7.40
MH2 @ 10:10

MH-1	9789347
MH-2	3130973
BFM	1313890
EFF	26414525
FS	5220

off site @ 1030

Katlyn Merck

9/17/2015 Foggy 57°F

On site for weekly samples with A. LaPolt

No alarms

Changed PI

Sampled MH2 @ 845

Sampled Effluent @ 850
pH

MH1	9799602
MH2	3131013
Sump	5220
Effluent	26449326
BFM	1317770

offsite 915 A. Miller

9/22/2015 Clear @ 80°F @ 1:00pm

On Site To Change Filters Due To Alarm.

Filters Changed, System Tight & Flowing To Swale.

System Operated Remotely To Clear Alarms.

Off Site @ 2:30pm

J. K. Miller

9/24/2015 sunny 75°F

On site for weekly sampling

Change P1 filter

Sample MH-2 @ 1320
Effluent @ 1330
pH: 8.15

MH1	9810711
MH2	313 1055
BFM	1320880
FS	5247
EFF	26472678

Off site @ 1345

Knuck

9/30/16 60°F Showers

On site for weekly sampling

No alarms

note: small leak on back side of A/S from top tray/ gasket
-will monitor

Change P1, P2 filters

Sample MH-2 @ 1443
Eff @ 1455
pH: 8.40

MH1	9822965
MH2	3131134
BFM	1325480
FS	5250
Eff	26513761

Off site
1515

Knuck

Oct

2015

10/7/15 P/Cloudy 60's

On site for monthly Sampling
no alarms

Calibrated ph meter (2 point) → OK

Change PI filter

Sample MH-1 @ 1120
pH 6.34
Effluent @ 1140
pH 7.74
MH-2 @ 1145
pH 7.20

MH-1	9840359
MH-2	3131214
FS	52558
EFF	26568740
BFM	11331641

off site @ 1200

Kmenck

10/14/15

Sun

On site for weekly sampling

No alarms

Overhead air exhaust pipe is dripping water

Change P1, P2 filters

Sample eff @ 0925
pH: 7.52
MH-2 @ 930

MH-1 9858248
MH2 3131301
EFF 26623650
FB 5255
BFM 1337790

off site @ 0945

Kmenck

10/21/2015
Outside temp 63°F Cloudy
Inside temp 60°F

On site for weekly samples
No alarms

Changed P1 filter

Sampled:
MH2 @ 1340

Effluent @ 1345
pH: 7.96

MH1 9875611
MH2 3131371
Sump 5256
Effluent 26678185
BFm 1343890

offsite 1400

A. Miller

10/29/75 SJ /P-S

On site w/ optech for blower motor replacement and weekly sampling.

NV alarms

System off

Unable to complete restart install due to corroded shaft. Will be back tomorrow 1430

Karen K

10/30/15 JOT plc showers

Still Working on drum motor

4 p. on site from Optech

got drum for off. will assess and rebalance in controlled shop environment

Sample residual effluent 1030

pH: 7.90

will continue work on project next week

K Meek

11/5/2015

on site with allied and optech for motor install

#s from last week (10/30/15)

MH1 9898850
MH2 3131476
FS 5260
Eff 26746636

System back and running ok

Sample MH-2 @ 1215
pH: 7.13
MH-1 @ 1225
pH: 7.04
Effluent @ 1245
pH ~~effluent~~: 7.61

11/5/15 readings
MH1 9901774
MH2 3131478
FS 5260
EFF 26749939
BFM 1351930

Kathryn Marek

11/12/15 55° P/C

on site for weekly sampling
no alarms
changed P1 filter
Sample MH-2 @ 0935
Effluent @ 0945
pH: 8.19
calibrated pH meter
2 points OK

MH1 9944952
MH2 3131517
BFM 1361960
FS 5260
EFF 26839506

off site @ 1000

K Marek

11/18/2015
outside 58°F Sunny
inside 56°F
No alarms - Turned on heaters

CHA on site for weekly samples
Charged P1 + P2 filter

MH2 Sampled @ 1330

Effluent Sampled @ 1335
pH: 7.06

MH1: 9960220
MH2: 3131573
Sump: 5262
Effluent: 26886845
BFM: 1367260

CHA offsite @ 1345

A. Miller

11/24/15
40°F PIC
Inside: 64°F
On site for weekly sampling
No alarms

change P1 filter

Sample MH-2 @ 1415
Effluent @ 1425
pH: 7.87

MH-1 9974165
MH2 3131622
FS 5262
BFM 1372120
Eff 26930250

off site @ 1445

Kathryn Mueck

12/2/2015

45° rain
62°F inside

On site for monthly sampling
No alarms

Sample MH-1 @ 1105
pH: 7.23
MH-2 @ 1110
7.07

Change P1, P2

Sample eff @ 1125
pH: 7.05

MH 1	9990264
MH 2	3131680
BFM	13778270
EFF	26981268
FS	5266

off site @ 1135

K Mewok

12/3/2015

On site @ 0900 for alarm response → 60 Hz
very low eff flow -> clogged filters
Change bag filters (P1)

P1 noted to be very heavily sedimented

Off site @ 1000 after monitoring

12/10/2015 Outside temp 48°F
Inside 68°F

No alarms
On site for weekly sampling

Changed P1 + P2 bag filters

Sampled MH2 @

Sampled Effluent @
pH 7.50

pH probe calibrated - good

MH1 10018743
MH2 3138530
Effluent 2705 Sump
Sump 5285 8855 Effluent
BFM 1386740

offsite @ 1210

A. Miller

12/16/2015
Outside overcast 44°F
Inside 62°F

CHA on site for weekly samples
No alarms

Changed P1 filter

Sampled MH2 @ 1430

Sampled Effluent @ 1435
pH ~~1435~~ 7.32

MH1 10038456
MH2 3131928
Sump 5285
Effluent 27133320
BFM 1392840

offsite @ 1445
A. Miller

12/22/15

Rain 50°F
In: 64°F

CHA on site for weekly sampling

no alarms
* note slight squeak to motor/blower
change P1 and P2

sample MH-2 @ 1410

sample effluent @ 1420
pH: 7.99

MH1 10063087
MH2 3132053
BFM 1398840
FS 5285
Eff 27175771

off site @ 1440

K Meuck

12/28/15

60°F inside
26°F outside
sunny

On site for alarm response

- Change P1 + P2 bag filters
- Clogged quickly, Change P1
- Change P1 + P2 *
- Change P1
- Change P1 + P2

Sample MH-2 @ 1215
effluent @ 1235
pH: 6.82

MH-1 1102630
MH-2 3132228
FS 5293
Eff 27229884
BFM 1408500

off site @ 1245 KMack

APPENDIX I
DMRS AND GROUNDWATER TREATMENT SYSTEM INSPECTION LOGS

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

APPENDIX J
INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 622003

Site Name Chicago Pneumatic Tool Company

Site Address: 2200 Bleecker Street Zip Code: 13340
City/Town: Frankfort
County: Herkimer
Site Acreage: 77.0

Reporting Period: December 31, 2014 to December 31, 2015

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

2/28/2016
Date

SITE NO. 622003 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
104.3-1-24	Utica Holding Co	Monitoring Plan O&M Plan

SPDES Discharge Permit NY-0257087 & NY-0108537

Box 4

Description of Engineering Controls

Parcel	Engineering Control
104.3-1-24	~~Groundwater Treatment System~~ Cover System Groundwater Containment Leachate Collection Fencing/Access Control Vapor Mitigation

Engineering controls include a groundwater pump & treatment system, an engineered cap in place over a consolidated soil pile, and leachate collection for offsite disposal. A long term groundwater monitoring program is ongoing.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

2/29/2016
Date

IC CERTIFICATIONS
SITE NO. 622003

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Roger Creighton (print name) at 360 Erie Blvd East, Syracuse, NY 13202 (print business address),

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

2/28/2016
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PAUL M FISHER at SYNAPSE ENGINEERING PLLC

print name print business address

am certifying as a Professional Engineer for the _____ (Owner or Remedial Party)

STATE OF NEW YORK · PAUL MAYNARD FISHER · LICENSED PROFESSIONAL ENGINEER

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date 7/29/16

IC CERTIFICATIONS
SITE NO. 622003

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

_____ at _____
print name print business address

am certifying as _____ _____ *(Owner or Remedial Party)* for

the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner or Remedial Party Rendering Certification *Date*

IC/EC CERTIFICATIONS

Box 7

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

I certify that the information in Boxes 4 and 5 relating to the pump and treat IC/EC are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Richard M. Loewenstein, Jr., PE at 3 Winners Circle, Albany, NY 12205
print name print business address

am certifying as a Qualified Environmental Professional for the _____

Chicago Pneumatic Company

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

Richard M. Loewenstein Jr.
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

STATE OF NEW YORK
RICHARD M. LOEWENSTEIN JR
069784
LICENSED PROFESSIONAL ENGINEER

Stamp (If Required) 2-26-16 Date

APPENDIX K
PHOTOGRAPHIC LOG

2015 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK 13501
NYSDEC SITE NO. 622003

FEBRUARY 2016

View of the containment cell from the west.

View of the leachate collection manhole with new lead pump installed.

View of the SCADA 3000 auto-dialer from inside the RAF building.

View soil pile in the west parking lot from the 4/2015 unauthorized excavations conducted by 2200 BSP.

View soil piles in the west parking lot from the 9/2012 unauthorized excavations conducted by 2200 BSP (October 2014).

Typical SSDS fan mounted to the upper monitor windows of the 2200 Bleecker Street building.