2014 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

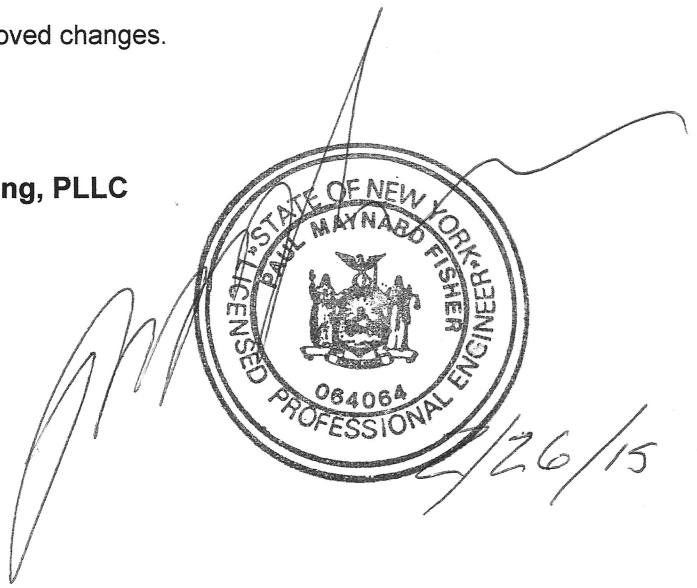
February 2015

CERTIFICATION

I, Paul M. Fisher, P.E., as a New York State licensed Professional Engineer, certify that the 2014 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

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, 2014 – December 31, 2014) of the 2014 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.

John P. Sobiech, P.E.

Printed Name of Certifying Engineer

Signature of Certifying Engineer

02/18/15

Date of Certification

068973

Registration Number

NY

Registration State

CHA Consulting, Inc.

Company

Sr. VP of Engineering

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

1.0 INTRODUCTION

This 2014 Periodic Review Report (PRR) provides an annual account 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 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 and in 1997, leased the land surrounding the Main Building (Leased Premises) to Utica Land Equities, LLC (ULE).

In November 2009 2200 Bleecker Street Properties LLC (2200 BSP) acquired fee ownership in the 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 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 accepted by NYSDEC. Additionally, the April 2001 site specific Operation, Maintenance and Monitoring (OM&M) Manual was approved by NYSDEC, along with subsequent annual reports. 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 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 – Site Management - 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 – Site Management – 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. UHC has not received comments at the time of the preparation of this 2014 PRR, and therefore the findings of said report have not been included. Following the receipt of comments the 2001 OM&M Manual will be updated to include the SSDS.

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 collected in compliance with satisfying 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 2014, 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). The peripheral 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, a subsidiary of Danaher, owns the land with the exception of the land under the Main Building and other improvements and beginning in 1997, leased the Leased Premises to ULE. In November 2009, 2200 BSP acquired the fee ownership interests in the buildings and land beneath the Main Building from Coolidge Utica.

In 2014, the majority of the Main Building was occupied by tenants that generally include warehouse storage, food (dough) manufacturing, environmental composite manufacturing n and uniform production. 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 2014, with exception of 2200 BSP's unauthorized excavation associated with the repair of a sink hole in the western parking lot.

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 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 soil vapor and seven ambient 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 anticipated radius of influence (ROI). The results of the sub-slab communication testing indicated that a sub-slab depressurization system is 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 to four vacuum sumps. As of January 2015, UHC has not received comments from NYSDEC or NYSDOH relative to the 2014 SSDS As-Built Report. Therefore, the installation summary, design results and indoor air sampling was not included in the 2014 PRR. Upon receipt of NYSDEC and NYSDOH approval of the 2014 SSDS As-Built Report the 2015 SSDS OM&M activities will be discussed in Section 5 of the PRR and the 2001 OM&M will be updated accordingly.

2.3 Summary of Remedial Actions

The RA was implemented from May 1998 through December 1999. 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. NYSDEC issued a letter dated December 11, 2001 indicating that the FER and accompanying drawings and OM&M Manual for the Property had been approved. Additionally, the NYSDEC issued an earlier letter dated March 7, 2000 reclassifying the Property as a Class 4 Inactive Hazardous Waste Disposal Site. 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 identified source areas (see Figure 2-3 - Historical Remedial Action Areas);
- Construction of a containment cell to store a portion of impacted soil and sediment from 12 identified source areas. The containment cell and associated leachate collection system and building are surrounded by a perimeter fence and access is limited to authorized individuals associated with UHC. This fenced area is referred to as the RAF; and
- Construction and connection of two trenches, northern collection trench (NCT) and southern collection trench (SCT), to the existing air stripper, creating 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 materials 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 and 1999. The unconsolidated subsurface materials are composed of varying consistencies of sand, silt, and clay. Some of the materials have been reworked to varying depths across the site by former facility activity and are classified as fill. The depth of the unconsolidated natural material across the Property ranges from three feet to 12 feet below grade. A till layer was encountered below the unconsolidated material and ranged 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). Depth to first groundwater encountered in the overburden at the Property is generally within 5 feet of the ground surface. Weathered shale bedrock is the second water-bearing unit, and was reportedly encountered between 23 and 30 feet below ground surface.

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 northern 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 in 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 on the SPDES permit associated with four outfalls located on the Property, which was previously discussed in Section 5 of prior PRR's, the outfalls are currently the responsibility 2200 BSP. UHC does not own, control or operate the GTS, as CPTC maintains responsibility for the GTS and associated SPDES permit for one outfall which is discussed in Section 6.

Two east-west oriented surface water drainage ditches (former Area 4 and Area 6), 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 covered in Section 6, is discharged to the east drainage ditch via CPTC SPDES Outfall 03A. Former SPDES Outfall 03B was permitted and constructed in April 2010 and manually discharged on a quarterly basis to former Area 6 ditch, Outfall 03B was closed by UHC in April 2013, redirecting the leachate from the RAF containment cell to the 5,000 gallon storage tank. The east drainage ditch also receives stormwater from roof leaders connected to the southeastern stormwater system and the RAF surface drainage, as well as surface water from the eastern parking lots. The former SPDES Outfall 003 is 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

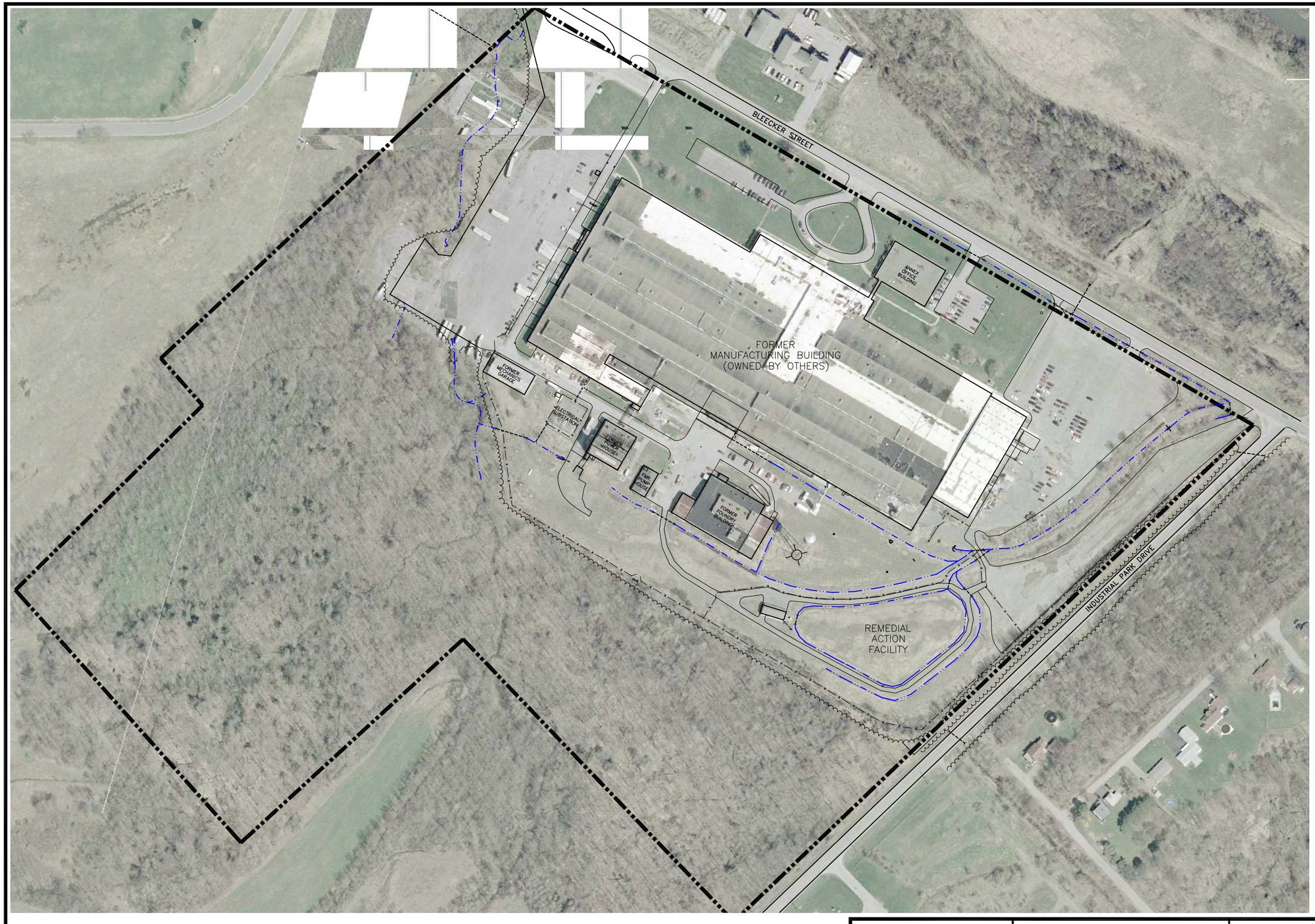
The northern portion of the Property continued to be the most active during 2014; the southern portion of the Property remains wooded and undeveloped. Commercial tenants occupy approximately 65% of 2200 BSP's Main Building and continue to use the surrounding access roads and parking lots. The Property is inspected a minimum of once per month allotting for reviews of exterior building activities and review of the Property condition.

A condition of potential concern was brought to UHC's attention in January 2015 correspondence from 2200 BSP. 2200 BSP notified UHC of excavation activities presumed to have occurred in the fall of 2014 on the leased portion of the Property. The excavation activities were reportedly performed by contractors procured by 2200 BSP, which were not conducted under the guidance of a Site Management Plan.

The excavation was 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 violate the terms of the ground lease. The excavated soil was placed directly adjacent to former SPDES Outfall 002 with no containment or erosion control measures to prevent surface runoff from entering the waters of the State.

As with 2200 BSP's September 2012 unauthorized excavation activities, the excavated soils continue to remain as described above and to the best of UHC's knowledge, 2200 BSP has yet to issue a corrective measures plan to NYSDEC to address and remedy the exposed soil conditions. UHC issued correspondence dated September 5, 2012 to 2200 BSP demanding corrective action relative to the deposited soils.

2.7 Figures



LEGEND

- APPROXIMATE PROPERTY LINE
- CHAIN LINK FENCE
- SURFACE DRAINAGE CULVERT
- DRAINAGE DITCH
- TREE LINE

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. 2003 AERIAL PHOTO FROM NYSGIS WEBSITE.

120' 0 120' 240'

GRAPHIC SCALE: 1" = 240'

X: CP-BASE
P: DL2BC
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB03.DWG

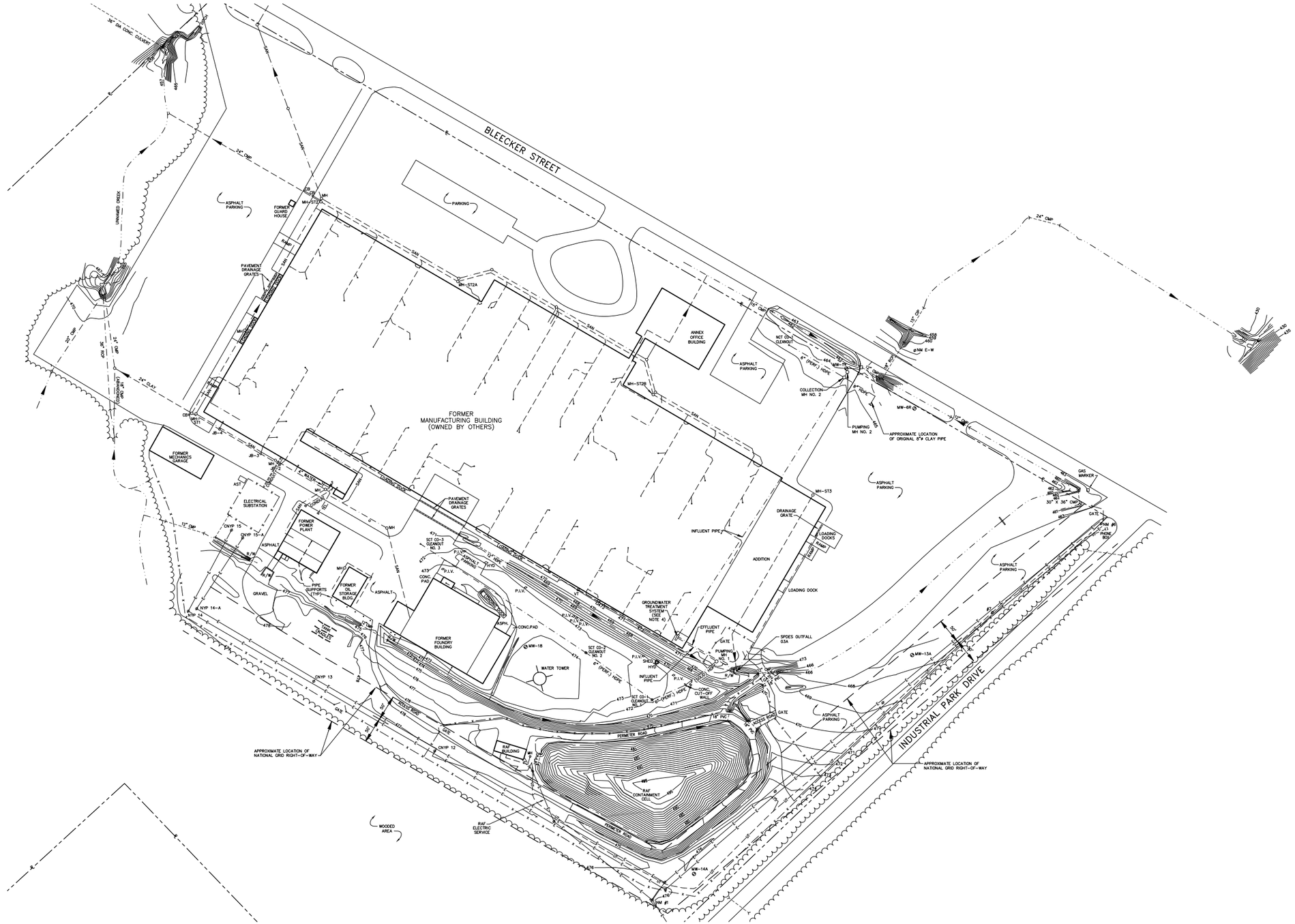
synapse
connect. advise. insure.

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

2014 PERIODIC REVIEW REPORT
2200 BLEECKER STREET
UTICA, NEW YORK

AERIAL PROPERTY MAP

PROJECT NO.: DANA 01-11
DATE: JANUARY 2015
FIGURE NO.: 2-1



LEGEND

470	ELEVATION CONTOUR
MH	MANHOLE
x x x	CHAIN LINK FENCE
CNYP 12	UTILITY POLE
R/W	RETAINING WALL
	SURFACE DRAINAGE CULVERT
	DRAINAGE DITCH
SAN	DRAINAGE PIPE
SAN	SANITARY SEWER PIPE
	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
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB04.DWG

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

2014 PERIODIC REVIEW REPORT

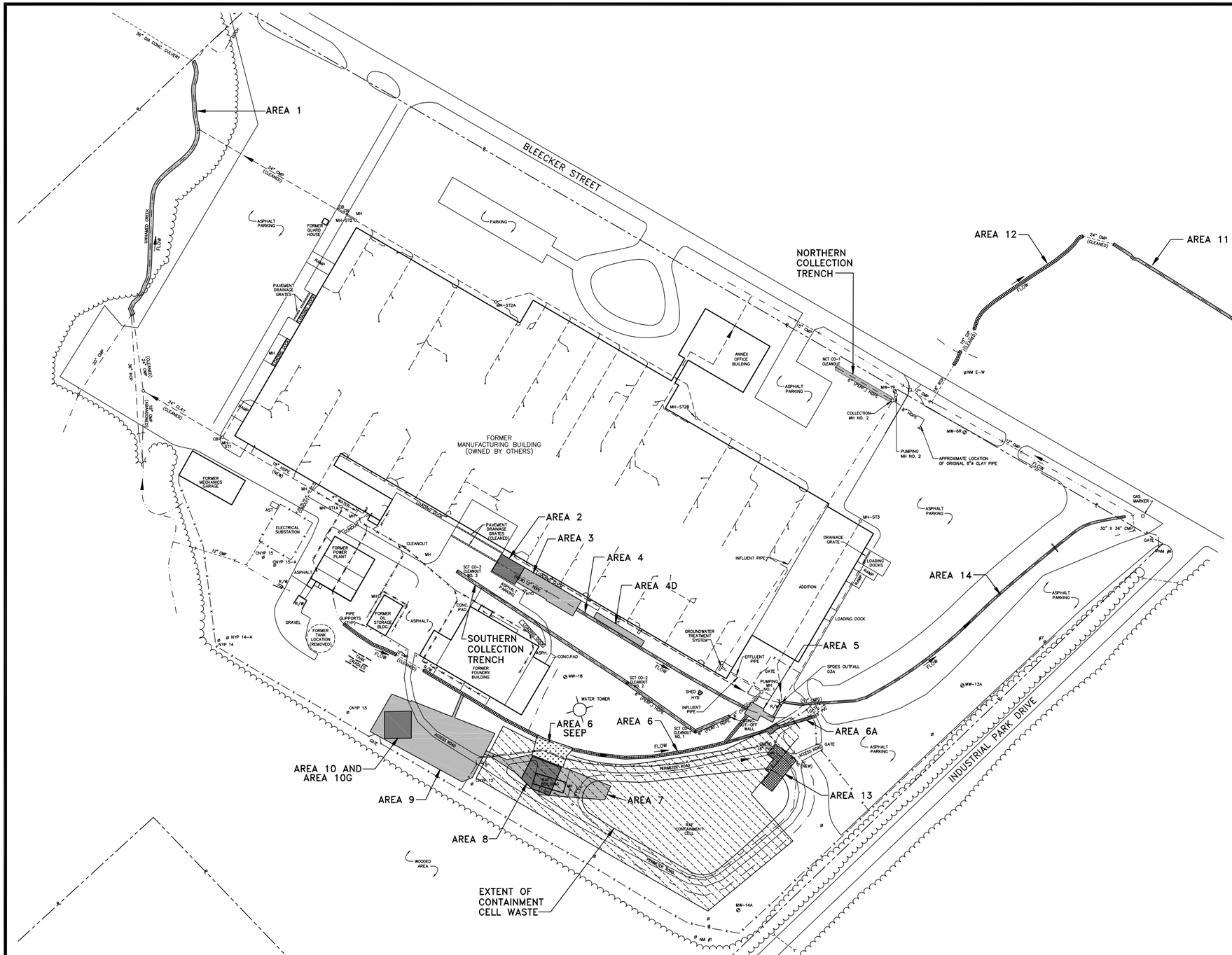
2200 BLEECKER STREET
UTICA, NEW YORK

FACILITY PLAN

PROJECT NO.: DANA 01-11

DATE: JANUARY 2015

FIGURE NO.: 2-2



LEGEND

- MANHOLE
- CHAIN LINK FENCE
- UTILITY POLE
- RETAINING WALL
- DRAINAGE CULVERT
- DRAINAGE DITCH
- DRAINAGE PIPE
- STORMWATER DRAIN
- NEW STORMWATER DRAIN
- 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)
- 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
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB05.DWG

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

2014 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

HISTORICAL REMEDIAL ACTION AREAS

PROJECT NO.: DANA 01-11

DATE: JANUARY 2015

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 OM&M of the RAF was conducted by Synapse in accordance with the guidelines set forth in the NYSDEC-approved OM&M Manual dated April 2001. Field reports provide monthly documentation of the site inspection events and any adjustments made to components associated with the RAF. The result of these inspections generally sets forth any maintenance activities, if required.

Key components of the RAF are the 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. 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 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), noted above. 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 and 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 2014. 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 Site Inspection Reports – Form A (Appendix A) 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 to ensure facility security, and the facility overhead utilities were viewed and tested, in 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 volatile organic compounds (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. Prior 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 ISACC, and now SCADA, are located in the RAF building and provides continuous monitoring information of the leachate collection manhole and previously the leachate storage tank. 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, included in Appendix B, provides documentation of alarm conditions received, if any, and testing during the 2014 calendar years. An annual total system check was performed on December 19, 2014, as required, and documented on Form F, included in Appendix B. Two RAF alarms were triggered during the 2014 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 2014 calendar years consisted of the following:

- RAF site access (snow removal, road maintenance, and fence maintenance);
- RAF building (ISACC 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 2014 calendar years consist of the following:

- Change out of the auto dialer system and update channels.
- 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 collection manhole and through the flow totalizer. The operation of this unit, associated with the leachate collection system, is discussed in the OM&M Manual. Several of the eight programmed ISACC channels, were

connected and synced with the SCADA 3000 system including the continued tracking of tank filling events and other tank parameters (i.e., water level in the tank, temperature, etc.).

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 22, 2014. Chart 3-1 – Cumulative Leachate Generation graphically represents the data from Table 3-1. A total of 2,900 gallons were metered during 2014, which equates to an average flow of approximately 7.7 gallons per day (gpd). 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 sanitary sewer system. Previous scheduling of the sampling events and subsequent disposal was based on tank level data monitored by the ISACC 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 is 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. The liquid level in the collection manhole is 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, and provide telephone notification to Synapse.

3.6 Summary

The RAF facility and associated components continue to operate as designed with some monitoring updates during 2014. The monitoring and inspection continues, as necessary, to evaluate trends and the ongoing condition of the RAF. The operation and maintenance performed during the 2014 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 as follows:

- Persistent and damaging vectors were eliminated from the containment cell;
- Small areas of stressed vegetative cover on the containment cell were restored; and
- Integration of the SSDS with the RAF OM&M manual.

The evaluation of the data relating to the leachate generated and metered during 2014 (2,900 gallons), indicates a similar flow rate of leachate generated in comparison to earlier years. The average production rate for 2014 was approximately 7.7 gpd. Synapse concludes that the engineering controls associated with the RAF performed as designed during 2014 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

2014 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

2014 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

2014 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

NOTES:

1. Monitoring Period = Days between totalizer readings.
2. Totalizer reading in gallons.
3. gpd = Gallons per day.
4. Outfall 03B installed on April 8, 2009.

TABLE 3-2
ANNUAL LEACHATE GENERATION

2014 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

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

2014 PERIODIC REVIEW REPORT
2200 BLEEKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

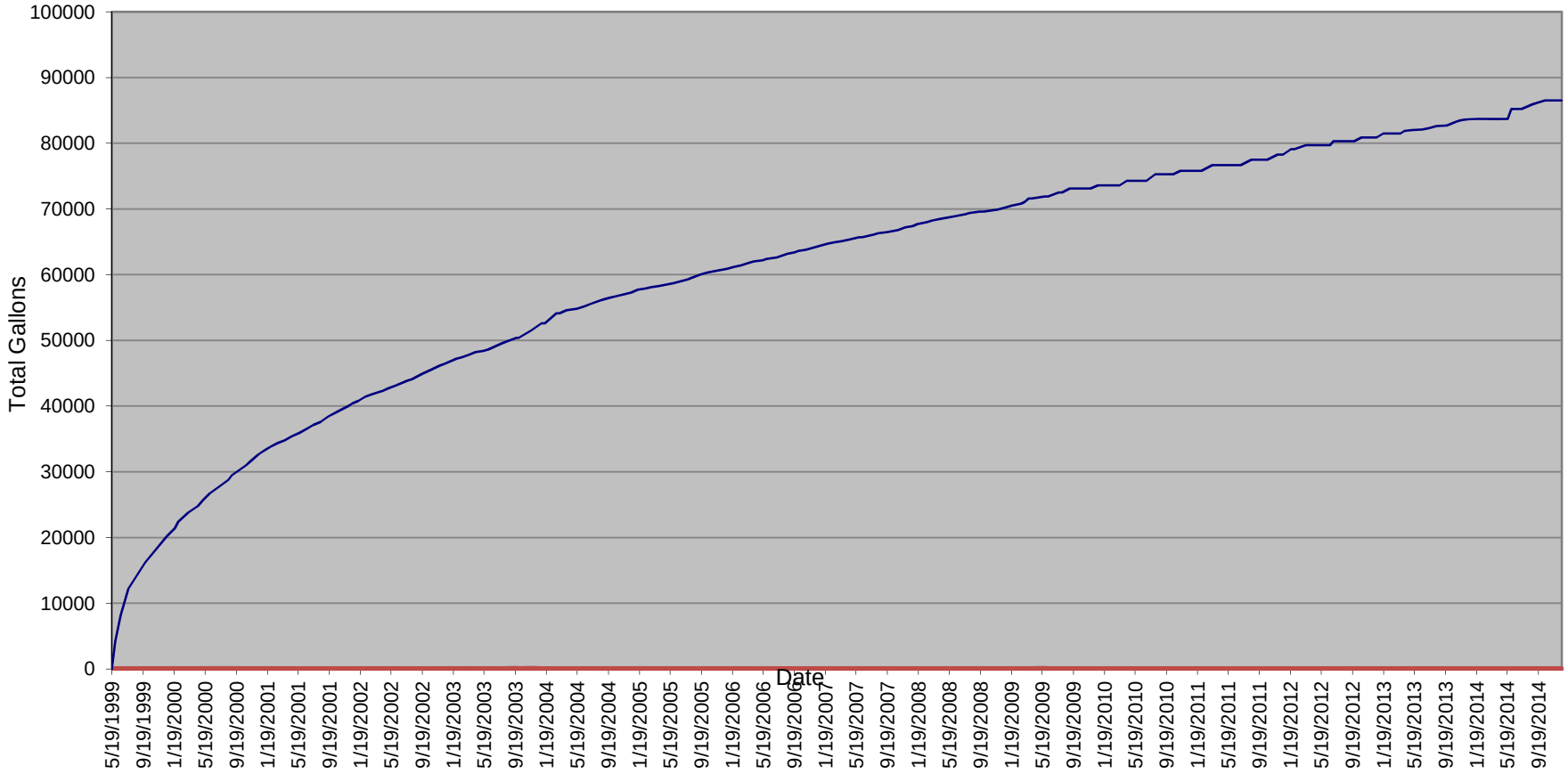
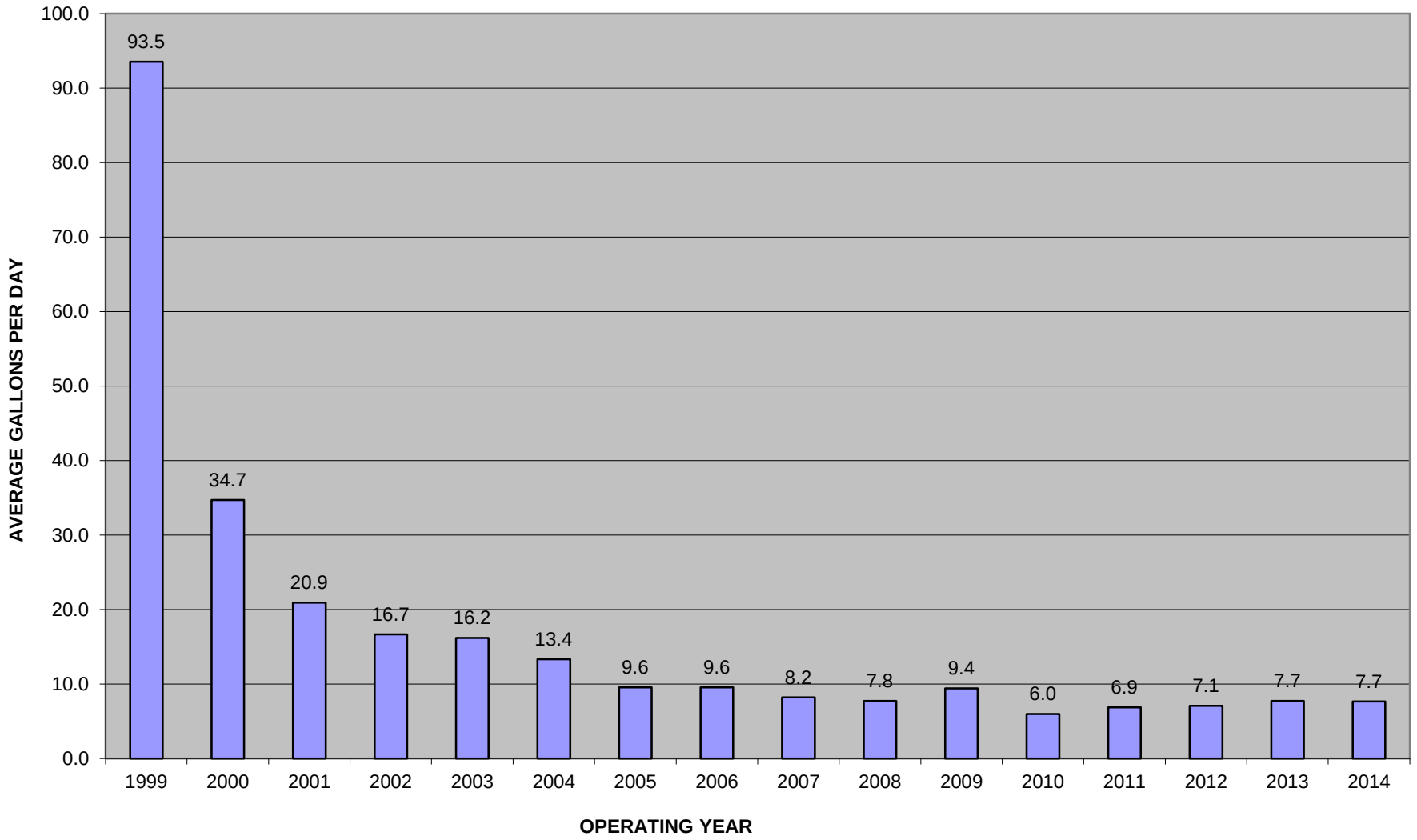
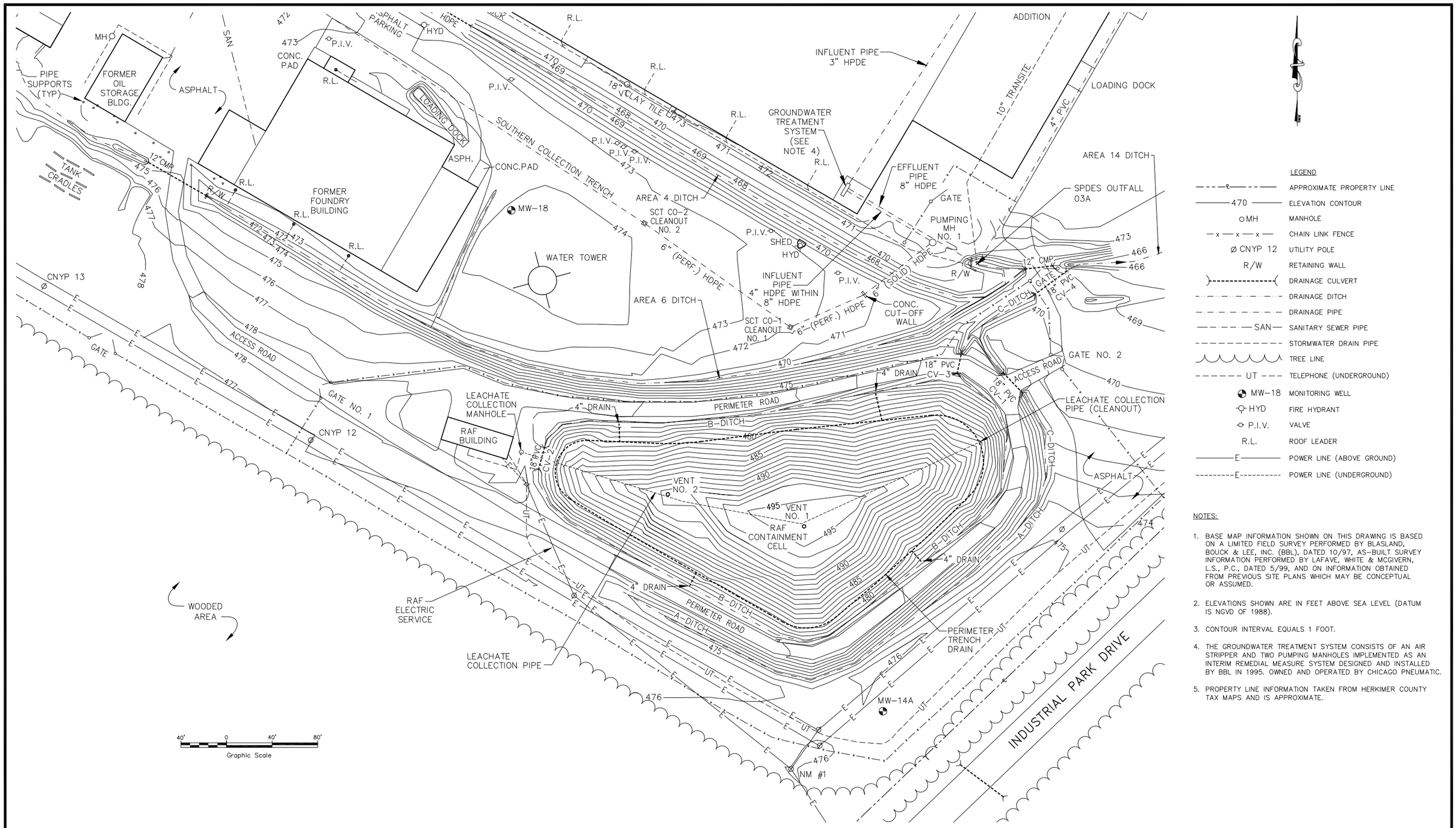


CHART 3-2
LEACHATE GENERATION PER YEAR

2014 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
- DRAINAGE CULVERT
- DRAINAGE DITCH
- DRAINAGE PIPE
- SAN — SANITARY SEWER PIPE
- 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
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB11.DWG

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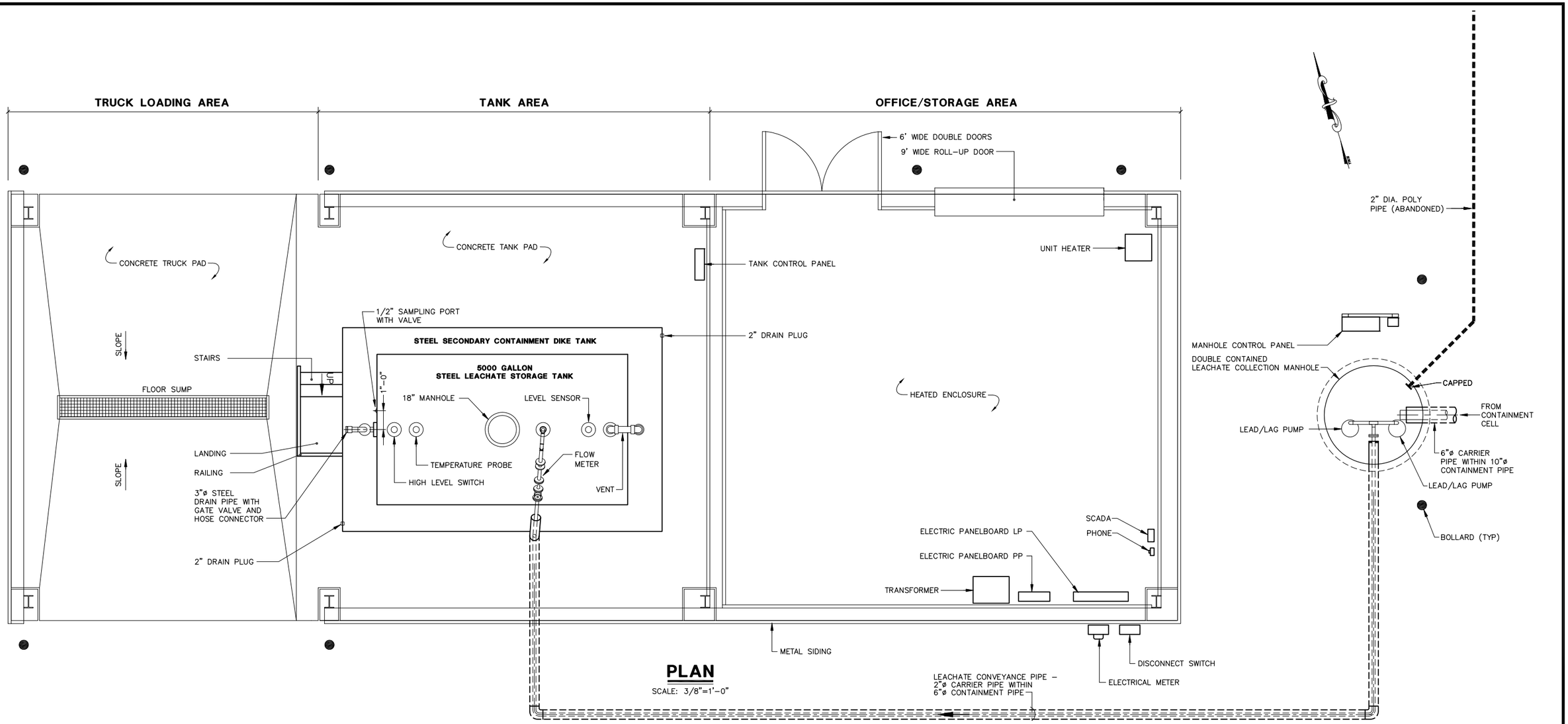
2200 BLEECKER STREET
UTICA, NEW YORK

REMEDIAL ACTION FACILITY PLAN

PROJECT NO.: DANA 01-11

DATE: JANUARY 2015

FIGURE NO.: 3-1



PLAN

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

0 4' 10'

GRAPHIC SCALE

X: FOUNDAT.DWG
D2BBW
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB10.DWG

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360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2014 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

BUILDING, TANK, AND PIPING PLAN

PROJECT NO.: DANA 01-11

DATE: JANUARY 2015

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 2014. 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 22, 2014 and, October 28, 2014. Groundwater levels in the cleanouts for the NCT and SCT were also measured during the 2014 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 D. 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 2014 are shown in Table 4-1 – 2014 Groundwater Elevation Summary. Monitoring well MW-17 was found to have insufficient groundwater to allow for sample collection, during both 2014 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 22, 2014 and Figure 4-2

– Overburden Groundwater Elevation Contour Map - October 28, 2014. A summary of groundwater levels from 1999 to 2014 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 22, 2014 and October 28, 2014. 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 2014 sampling events to allow for sample collection.

Based on the guidance set forth in the OM&M Manual, the groundwater sampling events completed in 2014 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 2014. 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 2014 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 E.

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 – 2014 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 2014. The original laboratory analytical data for 2014 were provided under separate cover to NYSDEC upon receipt from the laboratory, and are provided in Appendix F – Groundwater Analytical Data. Beginning with this 2014 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 to be 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 2014.

MW-6R

- No VOCs were detected at concentrations above their respective MDLs during either of the 2014 sampling events;
- No PCBs were detected at concentrations above their respective MDLs during either of the 2014 sampling events;
- Chromium, copper, lead and zinc were detected during the April 2014 sampling event at concentrations of 0.1 ug/l, 2.5 ug/l, 0.8 ug/l and 15 ug/l, however these were below TOGS 1.1.1 guidance values of 50 ug/l, 200 ug/l, 25 ug/l and 2000 ug/l, respectively;
- Chromium, copper, lead and zinc were detected during the October 2014 sampling event at estimated concentrations of 0.1 ug/l, 0.5 ug/l, 0.2 ug/l and 3.6 ug/l, however these were below TOGS 1.1.1 guidance values of 50 ug/l, 200 ug/l , 25 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 2014 sampling events;
- No PCBs were detected at concentrations above their respective MDLs during either of the 2014 sampling events;
- Chromium, copper and zinc were detected during the April 2014 sampling event at estimated concentrations of 0.3 ug/l, 0.3 ug/l and 8.5 ug/l, however these are below TOGS 1.1.1 guidance values of 50 ug/l, 200 ug/l and 2000 ug/l, respectively;
- Chromium, copper and zinc were detected during the October 2014 sampling event at estimated concentrations of 0.7 ug/l, 0.3 ug/l and 3.9 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 2014 sampling events;
- No PCBs were detected at concentrations above their respective MDLs during either of the 2014 sampling events;
- Chromium, copper, lead and zinc were detected during the April 2014 sampling event at estimated concentrations of 0.6 ug/l, 4.2 ug/l, 1.4 and 4.5 ug/l however these are below TOGS 1.1.1 guidance value of 50 ug/l, 200 ug/l, 25 ug/l and2,000 ug/l, respectively;
- Chromium, copper, lead and zinc were detected during the October 2014 sampling event at estimated concentrations of 1.6 ug/l, 4.3 ug/l, 0.8 and 14.4 ug/l however these are below TOGS 1.1.1 guidance value of 50 ug/l, 200 ug/l, 25 ug/l and2,000 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 2014 sampling events, associated with the hydraulic control provided by the NCT.

MW-18

- Vinyl chloride (VC) was detected at a concentration of 19 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 2014 sampling event. No other VOCs were detected at concentrations above MDLs during April 2014 sampling event;
- VC was detected at a concentration of 20 ug/l and 18 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 2014

sampling event. No other VOCs were detected at concentrations above MDLs during October 2014 sampling event;

- Chromium, and zinc were detected during the April 2014 sampling event at estimated concentrations of 0.7 ug/l and 4.5 ug/l however these are below TOGS 1.1.1 guidance value of 50 ug/l and 2,000 ug/l, respectively; and

- Chromium and copper were detected during the October 2014 sampling event at estimated concentrations of 0.7 ug/l and 0.9 ug/l however these are below TOGS 1.1.1 guidance value of 50 ug/l and 200 ug/l, respectively;

- No PCBs were detected at concentrations above their respective MDLs during either 2014 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 2014 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 2014 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 2014 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
2014 GROUNDWATER ELEVATION SUMMARY

2014 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: 4/22/14						
MW-6R	462.69	10.52	10.51	465.47	3.85	461.62
MW-13A	467.30	11.07	11.05	469.23	2.52	466.71
MW-14A	475.71	12.94	12.93	478.45	2.95	475.50
MW-17	463.89	11.25	11.25	466.02	10.05	Note 5
MW-18	474.10	11.73	11.72	475.96	4.58	471.38
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: 10/28/14						
MW-6R	462.69	10.52	10.45	465.47	4.39	461.08
MW-13A	467.30	11.07	11.07	469.23	4.45	464.78
MW-14A	475.71	12.86	12.85	478.45	3.11	475.34
MW-17	463.89	11.25	11.25	466.02	10.95	Note 5
MW-18	474.10	11.73	11.72	475.96	5.18	470.78
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 4-2
CUMULATIVE GROUNDWATER ELEVATIONS

2014 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	Well ID					
	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

Notes:

1. All elevations reported in feet above mean sea level.
2. MW-3 was decommissioned in September 2001.
3. MW-17 has been "Dry" since the installation of Pumping MH-2 in March 2002.
4. MW-14/MW-14A decommissioned and reinstalled on June 17, 2013.

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

2014 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
2014 GROUNDWATER ANALYTICAL RESULTS

2014 PERIODIC REVIEW REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

April 2014 Sampling Event

Well ID	Detection Limit	Standards and Guidance Values	MW-6R	MW-13A	MW-14A	MW-17	MW-18	042214-DUP
Date Sampled			4/22/2014	4/22/2014	4/22/2014	4/22/2014	4/22/2014	4/22/2014
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	**19**	**19**
Metals								
Chromium	10	50	0.1	0.3 J	0.59 J	NS	<10	0.2 J
Copper	10	200	2.5	0.7 J	4.2	NS	0.7 J	0.9 J
Lead	10	25	0.8 J	<10	1.4	NS	<10	<10
Zinc	10	2,000	15	13.6	4.5 J	NS	4.5 J	15
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 2014 Sampling Event

Well ID	Detection Limit	Standards and Guidance Values	MW-6R	MW-13A	MW-14A	MW-17	MW-18	102814-DUP
Date Sampled			10/28/2014	10/28/2014	10/28/2014	10/28/2014	10/28/2014	10/28/2014
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	**20**	**18**
Metals								
Chromium	10	50	0.9 J	0.7 J	1.6	NS	0.7 J	0.6 J
Copper	10	200	0.5 J	0.3 J	4.3	NS	0.9 J	0.6 J
Lead	10	25	0.2 J	<5	0.8 J	NS	<5	<5
Zinc	10	2,000	3.6 J	3.9 J	14.4	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

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

2014 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	
				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
				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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

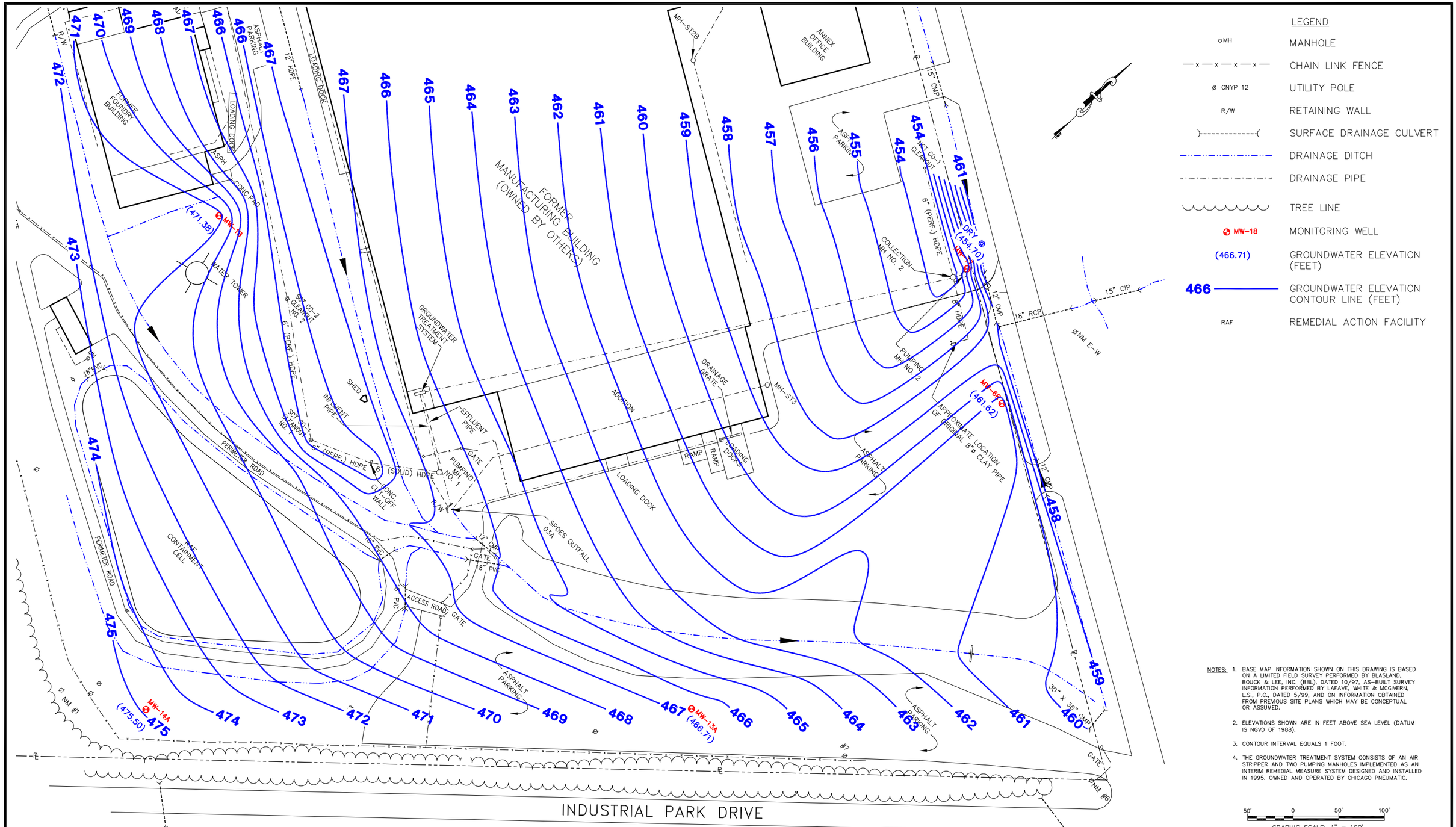
TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2014 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	
				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
				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
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
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	<1	0.48 J	<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
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
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
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
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	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
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	<0.05	<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	<0.05	<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	<0.05	<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	<0.05	<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	<0.05	<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	<0.05	<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	<0.05	<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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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**
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
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
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
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
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
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
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
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
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
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
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

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.

4.7 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
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB01.DWG

synapse
connect. advise. insure.

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

2014 PERIODIC REVIEW REPORT

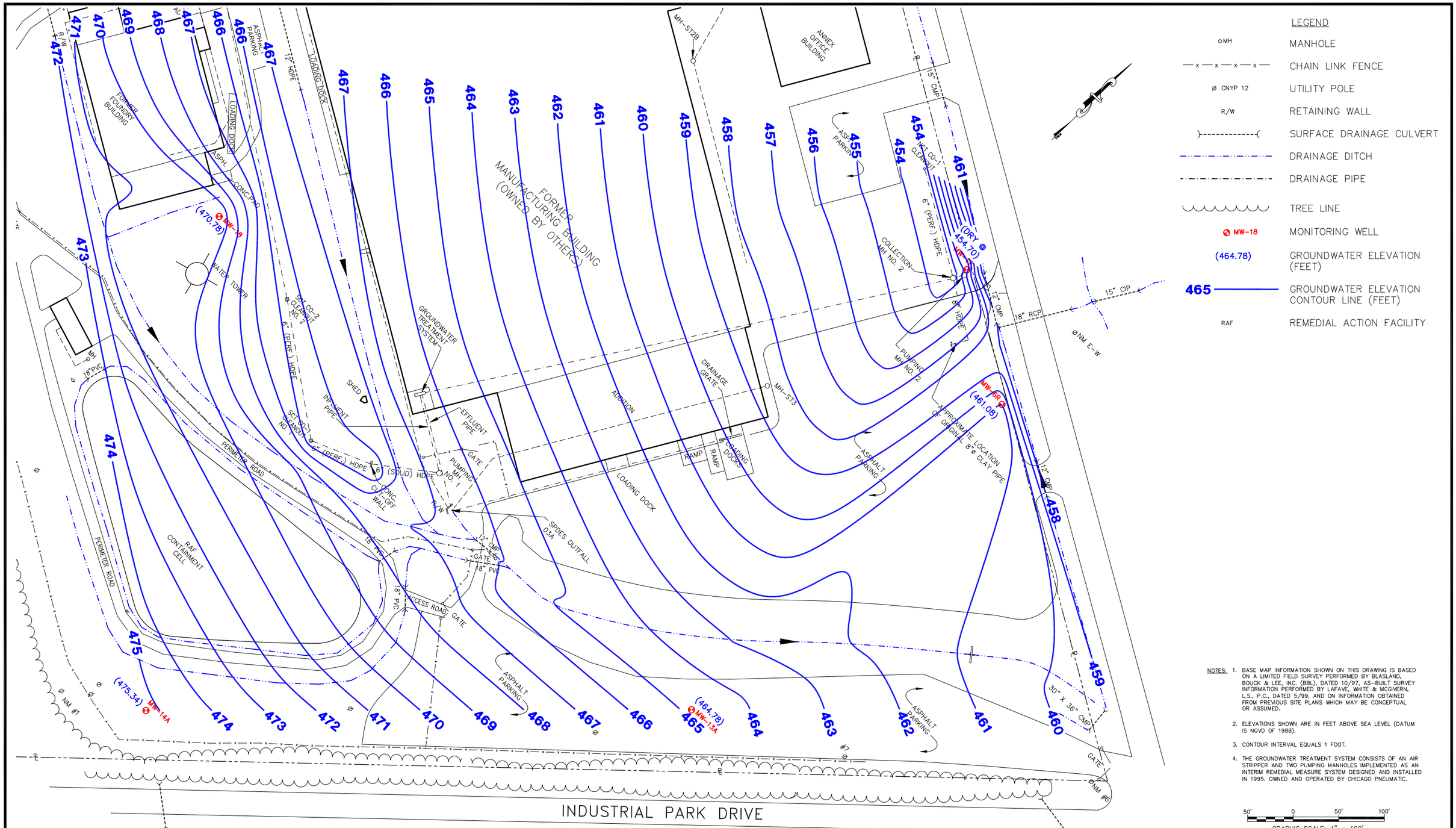
2200 BLEECKER STREET
UTICA, NEW YORK

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP APRIL 22, 2014

PROJECT NO.: DANA 01-11

DATE: JANUARY 2015

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
2/27/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB02.DWG

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360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2014 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP OCTOBER 28, 2014

PROJECT NO.: DANA 01-11

DATE: JANUARY 2015

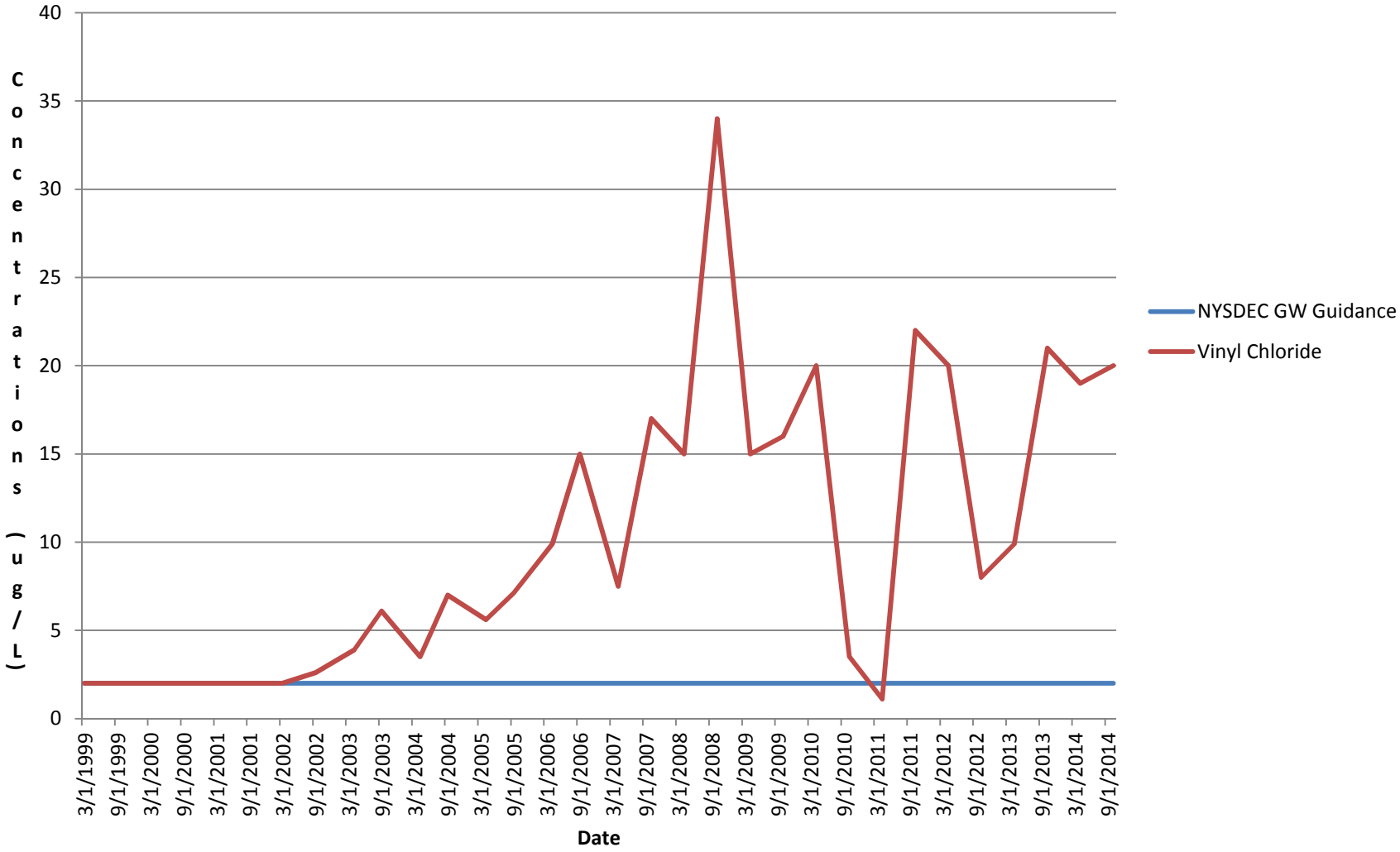
FIGURE NO.: 4-2

4.8 Charts

CHART 4-1

MW-18 Cumulative Time Trend Data

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



5.0 SITE MANAGEMENT – SUB-SLAB DEPRESSURIZATION SYSTEM

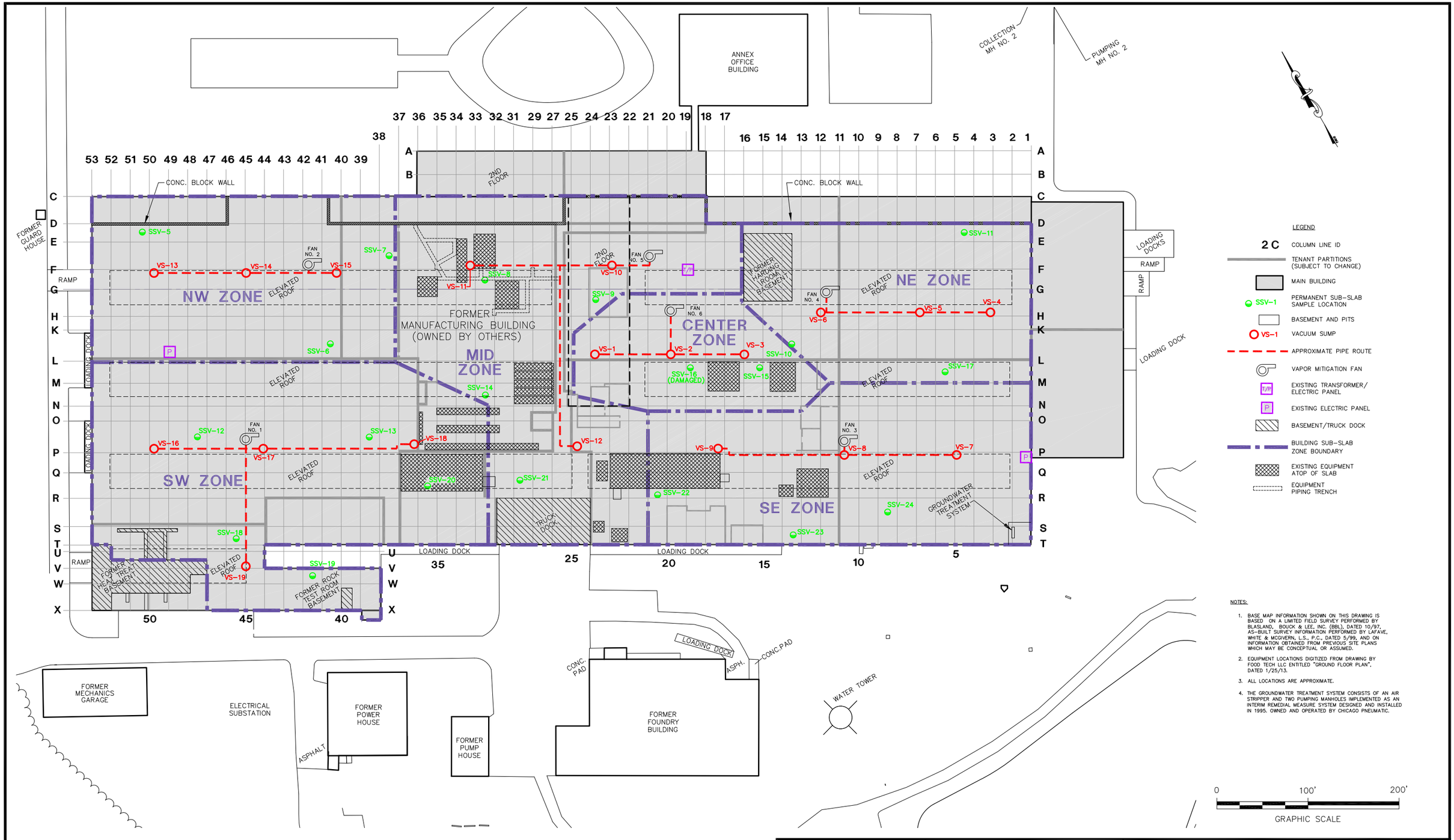
This section has been prepared as a placeholder pending NYSDEC and NYSDOH's review of the SSDS As-Built Report. Upon receipt of approval from the applicable regulatory agencies, the 2001 OM&M Manual for the Property will be updated to detail the procedures that were followed associated with the SSDS. 2015 OM&M activities related to the SSDS will be discussed in this Section of the 2015 PRR upon said approval.

The attached Figure 5-1 – Building Sub-Slab Zone Boundary and SSDS Location Plan depicts the six (6) building sub-slab zone boundaries corresponding with tenant spaces as submitted with the As-Built Report. The typical construction layout for the SSDS is provided on Figure 5-2 – Vacuum Sump and Roof Mounting Details.

5.1 Figures

5-1 Building Sub-Slab Zone Boundary and SSDS Location Plan

5-2 Vacuum Sump and Roof Mounting Details



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.

X: 0069_CP-BASE3, CP-BASE-ROOF
P: CPD2BC
1/23/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB18.DWG

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

2014 PERIODIC REVIEW REPORT

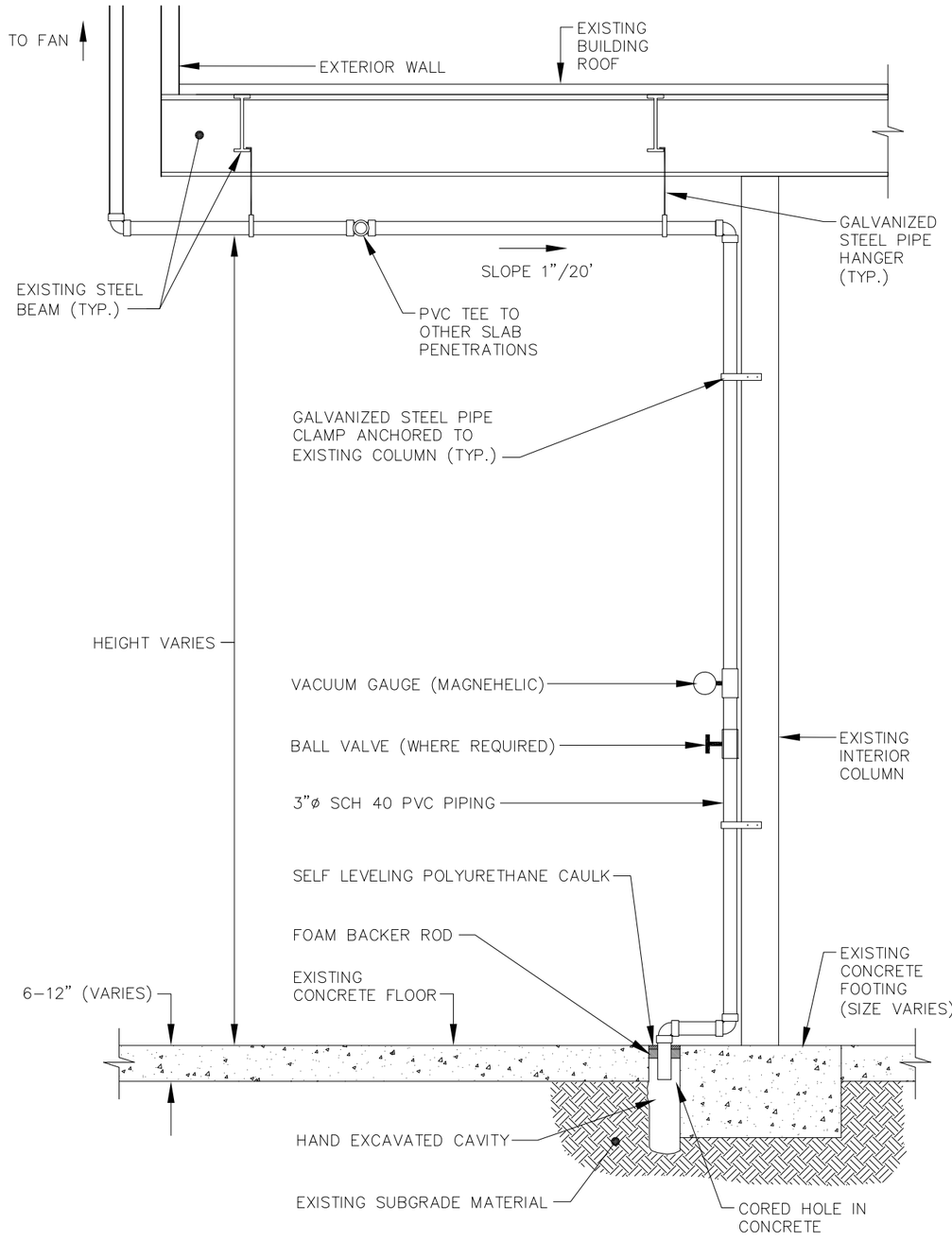
2200 BLEECKER STREET
UTICA, NEW YORK

BUILDING SUB-SLAB ZONE BOUNDARY & SSDS LOCATION PLAN

PROJECT NO.: DANA 01-11

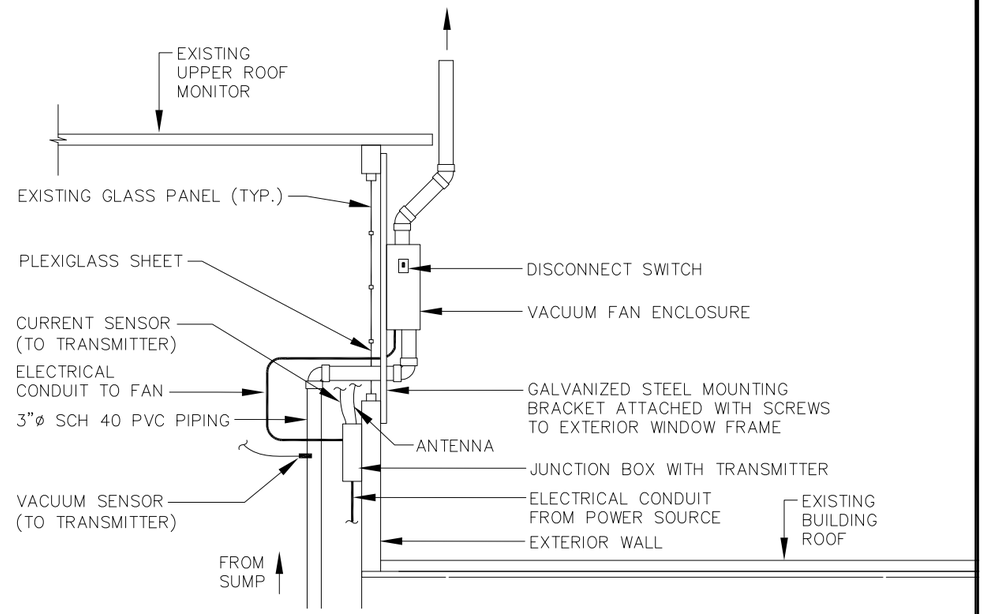
DATE: JANUARY 2015

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
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB20.DWG (DETAILS)

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2014 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

VACUUM SUMP AND ROOF MOUNTING DETAILS

PROJECT NO.: DANA 01-11
DATE: JANUARY 2015
FIGURE NO.: 5-2

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, a control system and an air stripper. The GTS has been operating for 19 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, 2014 and December 31, 2014 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 minimal amount of time possible. The treatment system flow totalizers, as recorded on inspection reports, indicate that a total of approximately 3,136,308 gallons of water was pumped, treated, and released to Outfall 03A between January 1, 2014 and December 31, 2014, operating at 97.3% efficiency and removing approximately 18.7 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 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 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, 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 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, 2014 through December 31, 2014 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 2014 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 2014 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, 2014 to December 31, 2014. As indicated, the average removal efficiency for 2014 was 97.3%, resulting in the removal of approximately 18.7 pounds of VOCs.

6.4 MONITORING PLAN COMPLIANCE

The effluent from the air stripper, 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, 2014 and December 31, 2014, 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 MH1 influent and MH2 influent sampling ports. Results from weekly sampling events conducted between January 1, 2014 and December 31, 2014 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, 2014 and December 31, 2014, there were two excursions to the SPDES Permit effluent limits. These excursions occurred in 1) January 2014; and 2) May 2014. The NYSDEC was immediately notified in writing (via email) of the excursions. There were no other permit excursions during 2014. 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 facsimile transmittals 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, 2014 through December 31, 2014. A summary of scheduled and unscheduled maintenance events including system alarms, shutdowns and responses from January 1, 2014 through December 31, 2014 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, 2014 – December 31, 2014

Date	Incident/Resolution
2/13/2014	EQ Tank Low Level Alarm caused system shutdown; CHA manually pumped water into EQ tank to clear alarm.
3/4/2014	MH-1 High Level Alarm; CHA reset system and attempted to manually turn MH-1 pump on to no avail. System operating in alarm condition.
3/6/2014	MH-1 High Level Alarm; system operating in alarm condition. CHA onsite with subcontractor Engler Electric to move an electrical conduit associated with the system. GTS shutdown for electrical work. When the GTS was restarted, MH-1 High Level Alarm was cleared.
3/12/2014	CHA onsite with subcontractors Paragon Environmental and Engler Electric to conduct system maintenance including moving a water line and raising a transformer in order to install a jib crane to allow for easier maintenance of the air stripper. GTS shutdown for system maintenance and restarted to MH-1 High Level Alarm. Manually pumped MH-1 until system operating out of alarm condition.
3/25/2014	MH-1 High Level Alarm; CHA manually pumped water into EQ Tank to clear alarm. EQ Tank pumped down to Low Level Alarm for upcoming EQ Tank cleaning and GTS maintenance. GTS shut down for maintenance. CHA onsite with subcontractor Paragon Environmental to remove and update ProControl unit, jib crane installation and conduct air stripper maintenance.
3/26/2014	GTS remains shut down for activities identified above (3/25/2014).
3/27/2014	GTS restarted. MH-1 and MH-2 High Level Alarms; CHA manually pumped MH-1. However, influent piping to Air Stripper is leaking and GTS was shut down.
3/31/2014	MH-1, MH-2 and Sump High Level Alarms. Air stripper inlet valves tightened and GTS restarted; alarms cleared. CHA onsite with subcontractor Paragon Environmental to conduct maintenance on the EQ Tank and flooring of the GTS area. CHA manually shutdown GTS for maintenance and restarted upon completion.
4/1/2014	MH-1 and MH-2 High Level Alarms; manually pumped MH-1 and alarms cleared. Maintenance of GTS flooring continued.
4/2/2014	MH-1 and MH-2 High Level Alarms; manually pumped MH-1 and MH-2 to clear alarms. Low flow

Date	Incident/Resolution
	rates observed from MH-1 and MH-2.
4/3/2014	MH-1, MH-2 and EQ Tank High Level Alarms and High bag Filter Pressure Alarm caused system shutdown; CHA changed out bag filters and alarms cleared.
4/9/2014	MH-1, MH-2 and Sump High Level Alarms; CHA pumped sump to clear alarms and changed out bag filters.
4/15/2014	MH-1, MH-2 and Sump High Level Alarms; CHA pumped sump to clear alarms. Low flow rates observed from MH-1 and MH-2.
4/17/2014	MH-1, MH-2 and EQ Tank High Level Alarms and High Bag Filter Pressure Alarm caused system shutdown; CHA changed out bag filters, manually pumped MH-1 and EQ Tank and alarms cleared.
4/22/2014	MH-1, MH-2 and Sump High Level Alarms and EQ Tank Low Level Alarm; CHA pumped sump to clear alarms and changed out a bag filter.
4/252014	MH-1, MH-2, EQ Tank and Sump High Level Alarms caused system shutdown; CHA pumped Sump down and reset the GTS.
5/8/2014	MH-1, MH-2 and Sump High Level Alarms and EQ Tank Low Level Alarm; CHA manually pumped MH-1, MH-2 and sump to clear alarms.
5/13/2014	MH-1, MH-2, EQ Tank and Sump High Level Alarms and EQ Tank Low Level Alarm; CHA manually pumped EQ Tank and sump to clear alarms. CHA onsite with subcontractor Paragon Environmental to install new MH-1 pump.
5/14/2014	MH-1 and MH-2 High Level Alarms; system operating in alarm condition.
5/21/2014	System shut down for replacement of ProControl unit and restarted. Low flow rates observed from MH-1 and MH-2. MH-2 flow meter not recording flow.
5/23/2014	MH-1, MH-2 and EQ Tank High Level Alarms and High Bag Filter Pressure Alarm caused system shutdown; CHA changed out bag filters and alarms cleared. Low flow rates observed from MH-1 and MH-2.
5/27/2014	MH-1, MH-2, EQ Tank and Sump High Level Alarms caused system shutdown; CHA changed out bag filters, manually pumped sump and alarms cleared. Low flow rates observed from MH-1 and MH-2. MH-2 flow meter not recording flow.
5/28/2014	MH-1, MH-2 and Sump High Level Alarms; CHA pumped sump and changed out a bag filter to clear alarms.
5/30/2014	MH-1, MH-2 and EQ Tank High Level Alarms and High Bag Filter Pressure Alarm caused system shutdown; CHA changed out bag filters and alarms cleared.
6/6/2014	MH-1, MH-2 and Sump High Level Alarms; CHA noted sump pump inoperable. System operating in alarm condition.
6/9/2014	MH-1, MH-2, EQ Tank and Sump High Level Alarms caused system shutdown; CHA manually bailed Sump into 55-gallon drum and changed out bag filters for alarms to clear.
6/16/2014	MH-1, MH-2 and Sump High Level Alarms. CHA onsite with Paragon Environmental to repair sump pump. Sump pump repaired and alarms cleared.
6/18/2014	MH-1, MH-2 and EQ Tank High Level Alarms caused system shutdown; CHA changed out bag filters and alarms cleared. MH-1 and MH-2 manually pumped down remotely.
6/25/2014	MH-1, MH-2 and EQ Tank High Level Alarms caused system shutdown; CHA manually pumped down EQ Tank and changed out bag filters to clear alarms.

Date	Incident/Resolution
7/1/2014	Sump High Level Alarm and MH-1, MH-2 and EQ Tank High Level Alarms caused system shutdown; CHA manually pumped down Sump and EQ Tank and changed out bag filters to clear alarms.
7/9/2014	MH-1, MH-2 and EQ Tank High Level Alarms caused system shutdown; CHA manually pumped down EQ Tank and changed out bag filters to clear alarms. CHA noted that ProControl unit was not operating properly. CHA onsite with Paragon Environmental to replace EQ Tank float controls. EQ Tank floats were replaced but not operating properly. System was shutdown until replacement ProControl unit and floats can be obtained and installed.
7/11/2014	CHA onsite with subcontractor Paragon Environmental and Engler Electric to troubleshoot EQ Tank floats and install loaner ProControl unit. Replaced one EQ Tank float, installed loaner ProControl unit and restarted system.
8/7/2014	CHA onsite to remove loaner ProControl unit and install the system's refurbished and updated unit. CHA shutdown GTS to conduct activities and restarted GTS upon completion.
8/26/2014	MH-1 and MH-2 High Level Alarms. CHA changed out bag filters and system operating in alarm condition.
9/17/2014	MH-1 and MH-2 High Level Alarms. CHA changed out bag filters and system operating in alarm condition.
9/23/2014	MH-1, MH-2 and EQ Tank High Level Alarms; CHA manually pumped EQ Tank and changed out bag filters and alarms cleared.
10/28/2014	MH-1 and EQ Tank High Level Alarms; CHA manually pumped EQ Tank and changed out bag filters and alarms cleared. Low flow rates observed from MH-2.
12/22/2014	MH-1 and Sump High Level Alarms; CHA manually pumped EQ Tank and Sump to clear alarms.

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, 2014 and December 31, 2014 approximately 3,136,308 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 2014. The GTS processed an average of 8,499 gpd between January 1, 2014 and December 31, 2014.

6.5.1 Conclusions and Recommendations for Improvement

The GTS has been operating for 19 years. Between January 1, 2014 and December 31, 2014 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 minimal amount of time 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 97.3%, resulting in the removal of approximately 18.7 pounds of VOCs between the dates January 1, 2014 and December 31, 2014. 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 2014 Manhole Flow Summary

6-2 2014 Influent and Effluent Analytical Summary

6-3 2014 Air Stripper Flow Summary

6-4 2014 Air Stripper Mass Removal Summary

6-5 2014 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, 2014 THROUGH DECEMBER 31, 2014 MANHOLE FLOW SUMMARY

2014 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
1/3/2014	7,797,728	10,902,873	8	4,396	6,539	10,935
1/7/2014	7,813,085	10,927,601	4	3,839	6,182	10,021
1/15/2014	7,854,322	10,982,648	8	5,155	6,881	12,036
1/20/2014	7,883,503	11,021,834	5	5,836	7,837	13,673
1/30/2014	7,914,587	11,075,846	10	3,108	5,401	8,510
Average Monthly Flow			**35**	**4,344**	**6,437**	**10,780**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
2/6/2014	7,930,230	11,106,540	7	2,235	4,385	6,620
2/13/2014	7,944,062	11,134,905	7	1,976	4,052	6,028
2/19/2014	7,954,755	11,156,267	6	1,782	3,560	5,343
2/27/2014	7,983,535	11,204,012	8	3,598	5,968	9,566
Average Monthly Flow			**28**	**2,462**	**4,577**	**7,040**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
3/4/2014	7,991,626	11,224,447	5	1,618	4,087	5,705
3/12/2014	8,017,732	11,256,625	8	3,263	4,022	7,286
3/20/2014	8,052,457	11,301,188	8	4,341	5,570	9,911
3/25/2014	8,053,774	11,328,519	5	263	5,466	5,730
Average Monthly Flow			**26**	**2,702**	**4,789**	**7,490**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
4/2/2014	8,058,094	11,332,247	8	540	466	1,006
4/9/2014	8,118,017	11,365,484	7	8,560	4,748	13,309
4/15/2014	8,119,175	11,366,350	6	193	144	337
4/22/2014	8,189,259	11,420,190	7	10,012	7,691	17,703
4/30/2014	8,229,070	11,463,516	8	4,976	5,416	10,392
Average Monthly Flow			**36**	**4,869**	**3,750**	**8,619**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
5/8/2014	8,270,224	11,490,190	8	5,144	3,334	8,479
5/14/2014	8,279,212	11,517,529	6	1,498	4,557	6,055
5/21/2014	8,280,900	11,517,529	7	241	0	241
5/27/2014	8,301,676	11,517,529	6	3,463	0	3,463
Average Monthly Flow			**27**	**2,689**	**2,000**	**4,690**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
6/4/2014	8,364,285	11,545,527	8	7,826	3,500	11,326
6/10/2014	8,377,054	11,566,113	6	2,128	3,431	5,559
6/16/2014	8,389,699	11,588,729	6	2,108	3,769	5,877
6/25/2014	8,434,497	11,605,892	9	4,978	1,907	6,885
Average Monthly Flow			**29**	**4,580**	**3,047**	**7,627**

TABLE 6-1
JANUARY 1, 2014 THROUGH DECEMBER 31, 2014 MANHOLE FLOW SUMMARY

2014 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
7/2/2014	8,453,311	11,634,586	7	2,688	4,099	6,787
7/9/2014	8,485,725	11,666,698	7	4,631	4,587	9,218
7/15/2014	8,502,336	11,689,685	6	2,769	3,831	6,600
7/23/2014	8,519,972	11,728,036	8	2,205	4,794	6,998
Average Monthly Flow			**28**	**3,053**	**4,362**	**7,415**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
8/1/2014	8,540,458	11,782,659	9	2,276	6,069	8,345
8/7/2014	8,560,589	11,826,478	6	3,355	7,303	10,658
8/13/2014	8,587,447	11,876,561	6	4,476	8,347	12,824
8/20/2014	8,621,587	11,917,697	7	4,877	5,877	10,754
8/26/2014	8,631,587	11,925,558	6	1,667	1,310	2,977
Average Monthly Flow			**34**	**3,283**	**5,809**	**9,092**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
9/4/2014	8,662,170	11,987,915	9	3,398	6,929	10,327
9/10/2014	8,679,745	12,022,495	6	2,929	5,763	8,693
9/17/2014	8,696,736	12,042,481	7	2,427	2,855	5,282
9/23/2014	8,709,085	12,057,883	6	2,058	2,567	4,625
Average Monthly Flow			**28**	**2,768**	**4,726**	**7,494**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
10/1/2014	8,723,124	12,101,568	8	1,755	5,461	7,216
10/8/2014	8,737,162	12,131,929	7	2,005	4,337	6,343
10/16/2014	8,756,049	12,171,823	8	2,361	4,987	7,348
10/22/2014	8,789,244	12,223,039	6	5,533	8,536	14,069
10/28/2014	8,809,205	12,226,619	6	3,327	597	3,924
Average Monthly Flow			**35**	**2,861**	**4,821**	**7,682**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
11/6/2014	8,835,473	12,280,653	9	2,919	6,004	8,922
11/12/2014	8,850,041	12,310,545	6	2,428	4,982	7,410
11/20/2014	8,872,862	12,355,075	8	2,853	5,566	8,419
11/25/2014	8,890,504	12,386,068	5	3,528	6,199	9,727
Average Monthly Flow			**28**	**2,904**	**5,695**	**8,598**

Monitoring Date	Flow Totalizer Reading		Days between	Flow per Monitoring Period (gpd)		
	MH-1	MH-2		MH-1	MH-2	Total
12/3/2014	8,926,204	12,443,772	8	4,463	7,213	11,676
12/12/2014	8,978,342	12,517,040	9	5,793	8,141	13,934
12/17/2014	9,006,359	12,532,848	5	5,603	3,162	8,765
12/22/2014	9,037,057	12,596,383	5	6,140	12,707	18,847
12/30/2014	9,082,977	12,666,454	8	5,740	8,759	14,499
Average Monthly Flow			**35**	**5,499**	**8,011**	**13,510**

TABLE 6-1
JANUARY 1, 2014 THROUGH DECEMBER 31, 2014 MANHOLE FLOW SUMMARY

2014 ANNUAL OM+M REPORT
2200 BLEECKER STREET, UTICA, NY
NYSDEC SITE NO. 622003

Summary of Manhole Flow for January 1, 2014 through December 31, 2014		
Total Flow	**gal**	**gpd**
MH-1	**1,320,419**	**3,578**
MH-2	**1,815,889**	**4,921**
Total 2014 Flow:	**3,136,308**	**8,499**

Notes:

Average monthly manhole flow is based on daily average

Table 6-2
JANUARY 1, 2014 through DECEMBER 31, 2014 INFLUENT AND EFFLUENT ANALYTICAL SUMMARY

2014 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		
1/3/2014	2.7	36	<5	1.1	44.8	<50	180	<5	620	855	<5	10	<5	12	32	
1/7/2014											<5	1.9	<5	1.5	13.4	
1/15/2014											<5	4.7	<5	4	18.7	
1/20/2014											<5	3.7	<5	2.9	16.6	
1/30/2014											<5	4	<5	3.6	17.6	19.7
2/6/2014	7.4	54	<5	1.5	67.9	<50	250	<50	960	1310	<5	<5	<5	0.6	15.6	
2/13/2014											<5	2.4	<5	2	14.4	
2/19/2014											<5	1.6	<5	1.3	12.9	
2/27/2014											<5	1.3	<5	0.7	12	13.7
3/4/2014	7.2	23	<5	<5	40.2	<50	330	<50	730	1160	<5	3	<5	<5	18	
3/12/2014											<5	6.9	<5	6.1	23	
3/20/2014											<5	<5	<5	<5	20	
3/25/2014											<5	<5	<5	<5	20	20.3
4/2/2014	<5	25	<5	1.2	36.2	<50	600	<50	970	1670	<5	<5	<5	0.73	15.73	
4/9/2014											<5	<5	<5	<5	20	
4/15/2014											<5	5	<5	0.87	15.87	
4/22/2014											<5	<5	<5	<5	20	
4/30/2014											<5	2.1	<5	1.2	13.3	17.0
5/8/2014	7	28	<5	1.2	41.2	<200	910	<200	2400	3710	<5	<5	<5	<5	20	
5/14/2014											<5	13	<5	20	43	
5/21/2014											<5	<5	<5	<5	20	
5/27/2014											<5	0.76	<5	<5	15.76	24.7
6/4/2014	3.7	44	<5	1.7	54.4	<200	590	<200	1700	2690	<5	<5	<5	<5	20	
6/10/2014											<5	<5	<5	<5	20	
6/16/2014											<5	<5	<5	<5	20	
6/25/2014											<5	<5	<5	<5	20	20.0
7/2/2014	1.9	35	<5	2	43.9	<100	450	22	1200	1772	<5	<5	<5	<5	20	
7/9/2014											<5	<5	<5	<5	20	
7/15/2014											<5	<5	<5	<5	20	
7/23/2014											<5	<5	<5	<5	20	20.0
8/1/2014	1.3	37	<5	1.6	44.9	<50	210	<50	650	960	<5	<5	<5	<5	20	
8/7/2014											<5	<5	<5	<5	20	
8/13/2014											<5	<5	<5	<5	20	
8/20/2014											<5	<5	<5	<5	20	
8/26/2014											<5	<5	<5	<5	20	20.0

Table 6-2
JANUARY 1, 2014 through DECEMBER 31, 2014 INFLUENT AND EFFLUENT ANALYTICAL SUMMARY

2014 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
9/4/2014	1.2	52	<5	2.1	60.3	<50	200	<50	560	860	<5	<5	<5	<5	20	
9/10/2014											<5	<5	<5	<5	20	
9/17/2014											<5	<5	<5	<5	20	
9/23/2014											<5	<5	<5	<5	20	20.0
10/1/2014	1.3	62	<5	1.7	70	<100	290	<100	870	1360	<5	<5	<5	<5	20	
10/8/2014											<5	<5	<5	<5	20	
10/16/2014											<5	<5	<5	<5	20	
10/22/2014											<5	<5	<5	<5	20	
10/28/2014											<5	<5	<5	<5	20	20.0
11/6/2014	<5	46	1.1	1.2	53.3	<50	210	<50	640	950	<5	<5	<5	<5	20	
11/12/2014											<5	<5	<5	<5	20	
11/20/2014											<5	<5	<5	<5	20	
11/25/2014											1	<5	<5	<5	16	19.0
12/3/2014	1.2	31	<5	0.8	38	25	150	<25	400	600	<5	0.61	<5	<5	15.61	
12/12/2014											<5	<5	<5	<5	20	
12/17/2014											<5	<5	<5	<5	20	
12/22/2014											<5	<5	<5	<5	20	
12/30/2014											<5	<5	<5	<5	20	19.1

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
2014 AIR STRIPPER FLOW SUMMARY

2014 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Average Flow During Monitoring Period (gpd)
1/3/2014	10935
1/7/2014	10021
1/15/2014	12036
1/20/2014	13673
1/30/2014	8510
Average Monthly Flow (gpd)	**10780**
2/6/2014	6620
2/13/2014	6028
2/19/2014	5343
2/27/2014	9566
Average Monthly Flow (gpd)	**7040**
3/4/2014	5705
3/12/2014	7286
3/20/2014	9911
3/25/2014	5730
Average Monthly Flow (gpd)	**7490**
4/2/2014	1006
4/9/2014	13309
4/15/2014	337
4/22/2014	17703
4/30/2014	10392
Average Monthly Flow (gpd)	**8619**
5/8/2014	8479
5/14/2014	6055
5/21/2014	241
5/27/2014	3463
Average Monthly Flow (gpd)	**4690**
6/4/2014	11326
6/10/2014	5559
6/16/2014	5877
6/25/2014	6885
Average Monthly Flow (gpd)	**7627**
7/2/2014	6787
7/9/2014	9218
7/15/2014	6600
7/23/2014	6998
Average Monthly Flow (gpd)	**7415**

TABLE 6-3
2014 AIR STRIPPER FLOW SUMMARY

2014 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Average Flow During Monitoring Period (gpd)
8/1/2014	8345
8/7/2014	10658
8/13/2014	12824
8/20/2014	10754
8/26/2014	2977
Average Monthly Flow (gpd)	**9092**
9/4/2014	10327
9/10/2014	8693
9/17/2014	5282
9/23/2014	4625
Average Monthly Flow (gpd)	**7494**
10/1/2014	7216
10/8/2014	6343
10/16/2014	7348
10/22/2014	14069
10/28/2014	3924
Average Monthly Flow (gpd)	**7682**
11/6/2014	8922
11/12/2014	7410
11/20/2014	8419
11/25/2014	9727
Average Monthly Flow (gpd)	**8598**
12/3/2014	11676
12/12/2014	13934
12/17/2014	8765
12/22/2014	18847
12/30/2014	14499
Average Monthly Flow (gpd)	**13510**

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, 2014 - DECEMBER 31, 2014 AIR STRIPPER MASS REMOVAL SUMMARY

2014 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	529	19.66	509	96.3	10,780	1.6
Feb	876	13.73	862	98.4	7,040	1.4
Mar	756	20.25	736	97.3	7,490	1.2
Apr	747	16.98	730	97.7	8,619	1.9
May	1,606	24.69	1,581	98.5	4,690	1.7
Jun	1,107	20.00	1,087	98.2	7,627	2.0
Jul	1,061	20.00	1,041	98.1	7,415	1.8
Aug	630	20.00	610	96.8	9,092	1.6
Sep	565	20.00	545	96.5	7,494	1.0
Oct	880	20.00	860	97.7	7,682	1.9
Nov	647	19.00	628	97.1	8,598	1.3
Dec	371	19.12	352	94.8	13,510	1.4
			2014 Average (%)[6]:	**97.3**	2014 Total (lbs):	**18.7**

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, 2014 THROUGH DECEMBER 31, 2014 SUMMARY OF SPDES OUTFALL- 03A ANALYTICAL RESULTS

2014 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**		
1/3/2014	10	<5	12	<5	10935	7.05
1/7/2014	1.9	<5	1.5	<5	10021	7.4
1/15/2014	4.7	<5	4	<5	12036	7.08
1/20/2014	3.7	<5	2.9	<5	13673	7.09
1/30/2014	4	<5	3.6	<5	8510	7
2/6/2014	<5	<5	0.6	<5	6620	6.88
2/13/2014	2.4	<5	2	<5	6028	7.26
2/19/2014	1.6	<5	1.3	<5	5343	7.08
2/27/2014	1.3	<5	0.7	<5	9566	7.09
3/4/2014	3	<5	<5	<5	5705	7
3/12/2014	6.9	<5	6.1	<5	7286	7.37
3/20/2014	<5	<5	<5	<5	9911	6.7
3/25/2014	<5	<5	<5	<5	5730	6.9
4/2/2014	<5	<5	0.73	<5	1006	7.17
4/9/2014	<5	<5	<5	<5	13309	6.96
4/15/2014	5	<5	0.87	<5	337	6.88
4/22/2014	<5	<5	<5	<5	17703	6.91
4/30/2014	2.1	<5	1.2	<5	10392	6.97
5/8/2014	<5	<5	<5	<5	8479	6.8
5/14/2014	13	<5	20	<5	6055	7.02
5/21/2014	<5	<5	<5	<5	241	6.87
5/27/2014	0.76	<5	<5	<5	3463	6.82
6/4/2014	<5	<5	<5	<5	11326	6.98
6/10/2014	<5	<5	<5	<5	5559	6.33
6/16/2014	<5	<5	<5	<5	5877	6.88

TABLE 6-5
JANUARY 1, 2014 THROUGH DECEMBER 31, 2014 SUMMARY OF SPDES OUTFALL- 03A ANALYTICAL RESULTS

2014 ANNUAL OM+M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

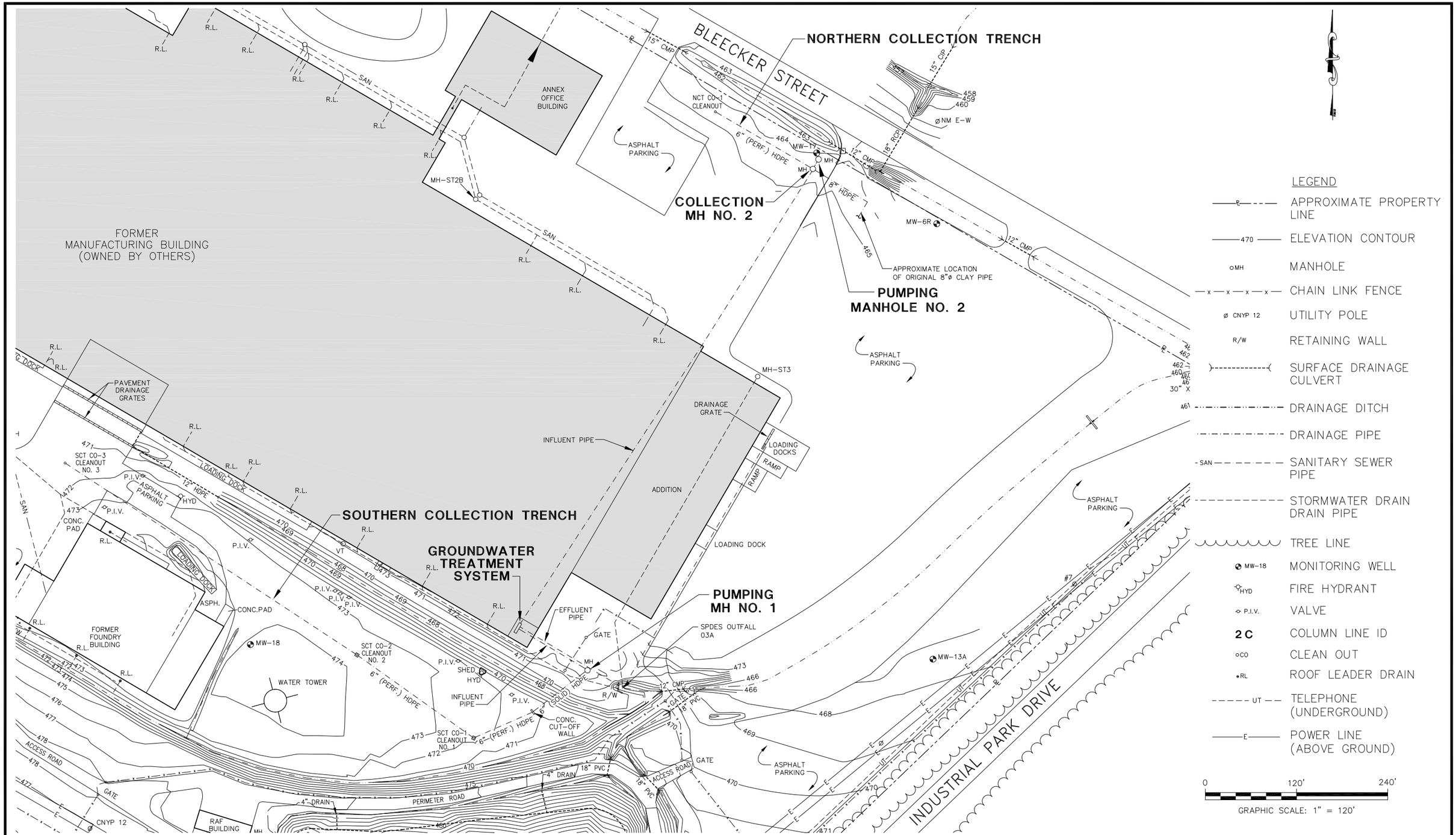
Sample Date	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	TCE (µg/L)	VC (µg/L)	Flow (Avg. GPD)	pH (SU)
Permit Limits	**10**	**10**	**10**	**10**		
6/25/2014	<5	<5	<5	<5	6885	6.76
7/2/2014	<5	<5	<5	<5	6787	6.58
7/9/2014	<5	<5	<5	<5	9218	6.62
7/15/2014	<5	<5	<5	<5	6600	6.72
7/23/2014	<5	<5	<5	<5	6998	6.65
8/1/2014	<5	<5	<5	<5	8345	6.68
8/7/2014	<5	<5	<5	<5	10658	7
8/13/2014	<5	<5	<5	<5	12824	6.73
8/20/2014	<5	<5	<5	<5	10754	6.88
8/26/2014	<5	<5	<5	<5	2977	7.2
9/4/2014	<5	<5	<5	<5	10327	6.9
9/10/2014	<5	<5	<5	<5	8693	7.18
9/17/2014	<5	<5	<5	<5	5282	6.99
9/23/2014	<5	<5	<5	<5	4625	7.24
10/1/2014	<5	<5	<5	<5	7216	7.05
10/8/2014	<5	<5	<5	<5	6343	7
10/16/2014	<5	<5	<5	<5	7348	7.25
10/22/2014	<5	<5	<5	<5	14069	7.09
10/28/2014	<5	<5	<5	<5	3924	6.74
11/6/2014	<5	<5	<5	<5	8922	6.66
11/12/2014	<5	<5	<5	<5	7410	7.83
11/20/2014	<5	<5	<5	<5	8419	7.86
11/25/2014	<5	<5	<5	1	9727	6.79
12/3/2014	0.61	<5	<5	<5	11676	7.06
12/12/2014	<5	<5	<5	<5	13934	7.05

TABLE 6-5
JANUARY 1, 2014 THROUGH DECEMBER 31, 2014 SUMMARY OF SPDES OUTFALL- 03A ANALYTICAL RESULTS

2014 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**		
12/17/2014	<5	<5	<5	<5	8765	7.1
12/22/2014	<5	<5	<5	<5	18847	6.71
12/30/2014	<5	<5	<5	<5	14499	7.42

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
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB12.DWG

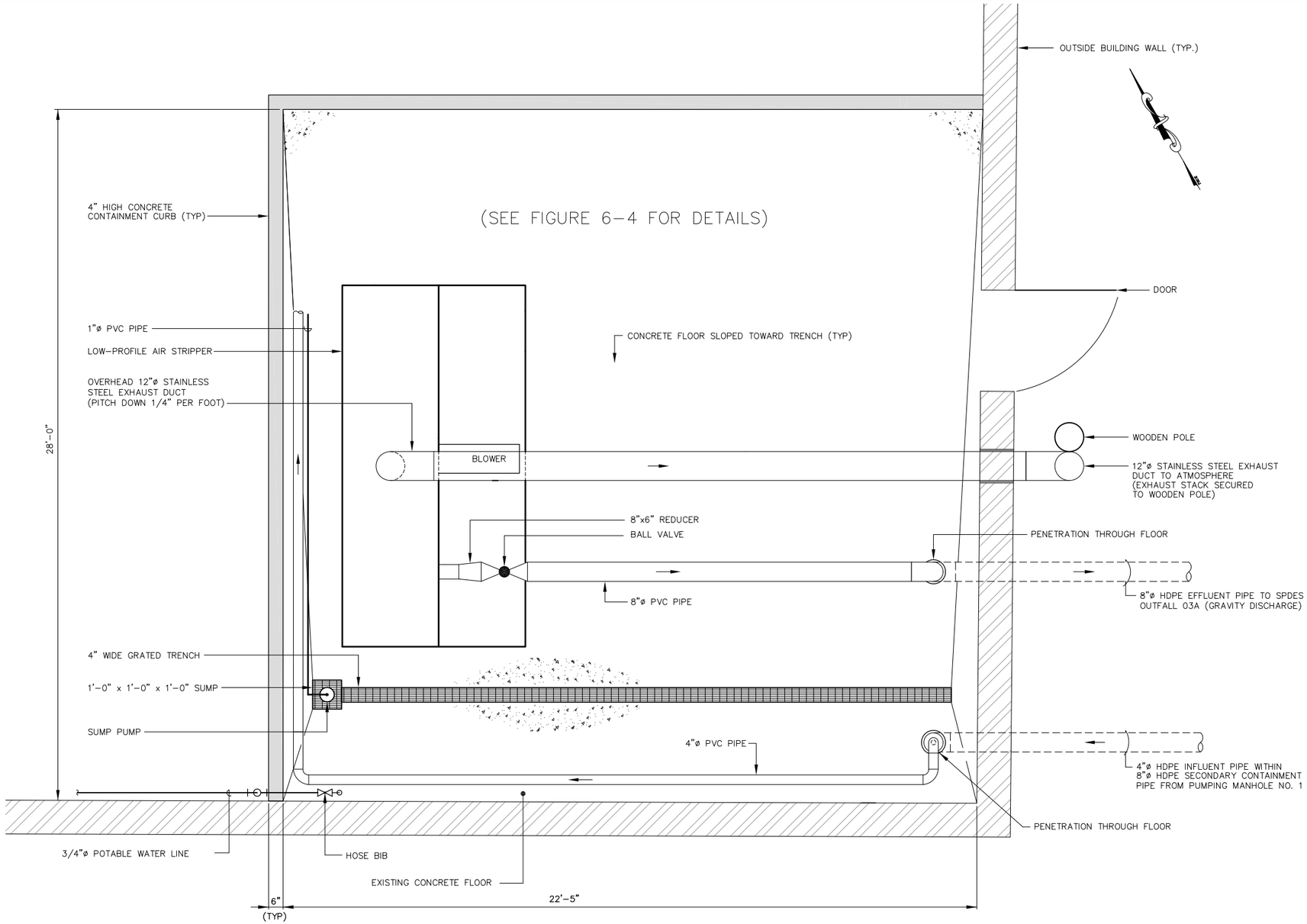
synapse
connect. advise. insure.
SYNAPSE RISK MANAGEMENT, LLC
360 ERIE BLVD. EAST
SYRACUSE, NEW YORK 13202

2014 PERIODIC REVIEW REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

GROUNDWATER TREATMENT SYSTEM PLAN

PROJECT NO.: DANA 01-11
DATE: JANUARY 2015
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
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB14.DWG

synapse
connect. advise. insure.

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

2014 PERIODIC REVIEW REPORT

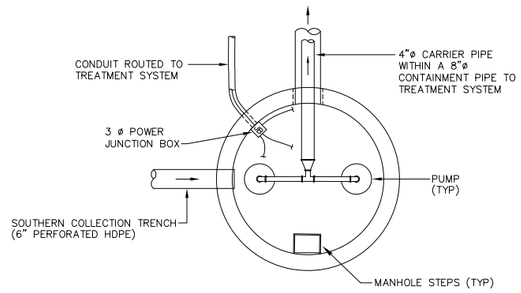
2200 BLEECKER STREET
UTICA, NEW YORK

AIR STRIPPER PLAN

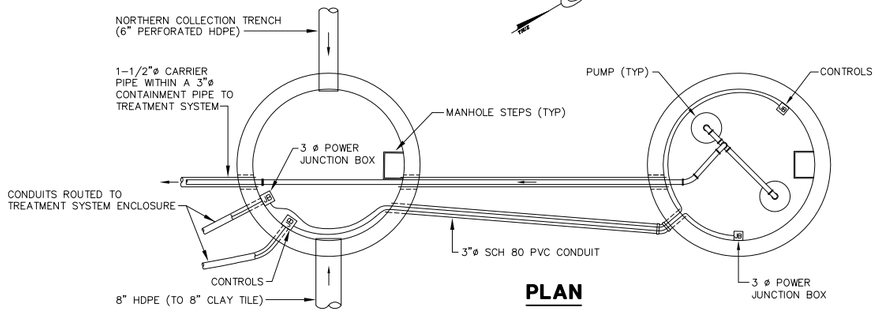
PROJECT NO.: DANA 01-11

DATE: JANUARY 2015

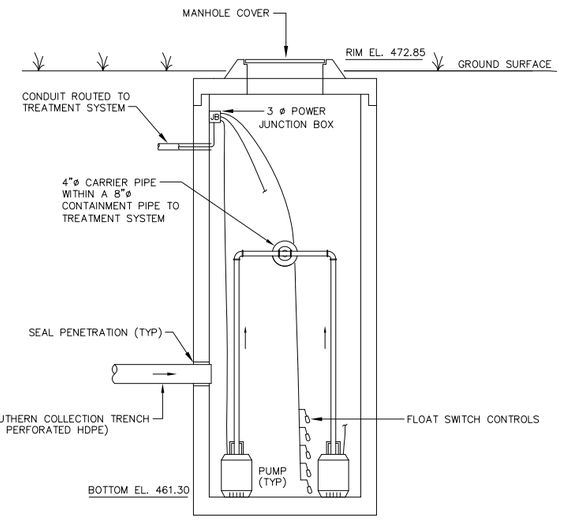
FIGURE NO.: 6-2



PLAN



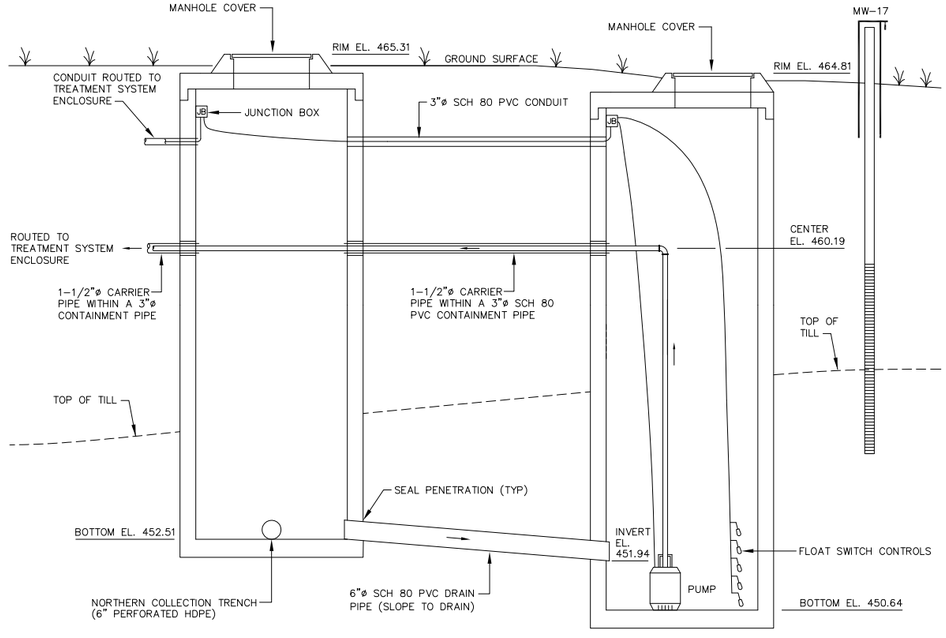
PLAN



GENERAL SECTION

PUMPING MANHOLE NO. 1 PLAN AND SECTION

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



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
1/22/15
SYNAPSE/WIP/DANA 01-11/2014 SMP/DANAB13.DWG

synapse
connect. advise. insure.

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

2014 PERIODIC REVIEW REPORT

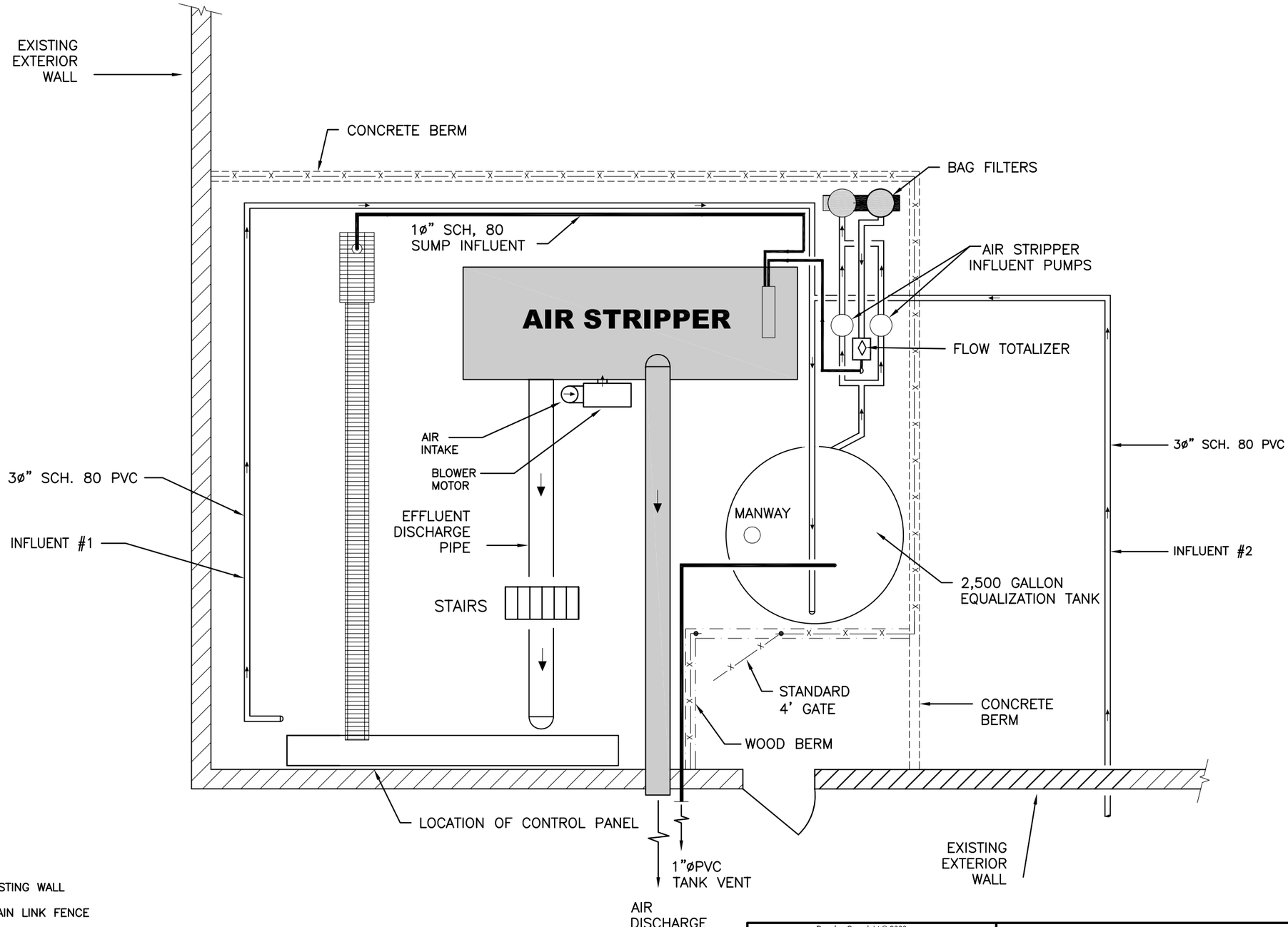
2200 BLEECKER STREET
UTICA, NEW YORK

PUMPING MANHOLE PLANS AND SECTIONS

PROJECT NO.: DANA 01-11

DATE: JANUARY 2015

FIGURE NO.: 6-3



LEGEND

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

N

PLAN VIEW

NOT TO SCALE

CHA
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CHICAGO PNEUMATIC
UTICA, NEW YORK

GROUNDWATER TREATMENT SYSTEM
AS-BUILT DRAWING

PROJECT NO. 19247

DATE: 03/02/09

FIGURE 6-4

File: I:\19247\REPORTS\CP ANNUAL REPORT 2008\2008_SYSTEM AS-BUILT-19247.DWG Saved: 3/2/2009 9:29:44 AM PLotted: 3/2/2009 9:36:24 AM User: Hollis, Tom

APPENDIX A
SITE INSPECTION REPORTS – FORM A & FORM A1

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

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: 1/22/2014

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	Good – Need Plowing	
B	General Property Drainage	~~SPDES Outfall (001___ 002___ 003___)~~	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	OK – Need plowing	
B	Ditches	Snow Covered	
C	Culverts	Clear	
D	Perimeter Fence	Gates /	
E	Utilities	Elec. / Phone /	
3 Containment Cell			
A	Surface Cover System	Burrows ____ Vegetation____ Snow Covered	
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)	Snow Covered	
4 Leachate Collection Manhole			
A	Structure	External / Internal / Not Inspected	
B	Pumps and Plumbing	Pump 1 Hours ____ Pump 2 Hours ____	
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 1	
D	Manhole Interstitial Space	OK	
E	Conveyance Pipe	OK	
F	Influent Pipe	OK	
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: 1/22/2014

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 = 83100 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:

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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: 2/24/2014

Category		Inspected	Observation/Condition	✓
1	**General Property**			
	A	General Property Access	GOOD - Snow Covered	
	B	General Property Drainage	~~SPDES Outfall (001___ 002___ 003___)~~	
2	**Cell Perimeter Components**			
	A	Perimeter and Access Roads	GOOD - Snow Covered	
	B	Ditches	Frozen	
	C	Culverts		
	D	Perimeter Fence	Gates ✓ Damaged	
	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)	Snow Covered not inspected	
4	**Leachate Collection Manhole**			
	A	Structure	External___ Internal___	
	B	Pumps and Plumbing	Pump 1 Hours 134.6 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		
	E	Conveyance Pipe		
	F	Influent Pipe	MH 3/4 full	
	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: 2/24/2014

Category	Inspected	Observation/Condition	✓
5 Building			
A	Structure	Lock ✓, Vent ✓, 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 = 83700 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: Roger Creighton Date: 3/18/2014

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	Good	
B	General Property Drainage	~~SPDES Outfall (001 ___ 002 ___ 003 ___)~~ SPDES sign removed	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Snow Covered	
B	Ditches	Frozen	
C	Culverts	Frozen	
D	Perimeter Fence	Gates ✓ Damaged	
E	Utilities	Elec. ✓ Phone ✓	
3 Containment Cell			
A	Surface Cover System	Burrows 0 Vegetation ___	
B	Gas Vents (2)	Not Inspected	
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 1345 Pump 2 Hours 2336	
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 ___ New LED Bulbs ordered	
D	Manhole Interstitial Space		
E	Conveyance Pipe		
F	Influent Pipe	Mtt 3/4 Full - Need to be pumped down	
G	Confined Space Entry	(Y or (N)) (see Form B)	

RAF MONTHLY INSPECTION REPORT (FORM A)
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REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 3/18/2014

Category		Inspected	Observation/Condition	✓
5	**Building**			
A	Structure		Lock /, Vent /, Heater OK	/
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 = 83700 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: SCADA 3000 Scheduled to be installed 3/25/2014.
Form F Needs updating

RAF MONTHLY INSPECTION REPORT (FORM A)
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REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

Synapse Representative: R. Creighton Date: 4/27/2014

Category		Inspected	Observation/Condition	✓
1	**General Property**			
	A	General Property Access	GOOD- Snow Melt	
	B	General Property Drainage	~~SPDES Outfall (001 002 003)~~	
2	**Cell Perimeter Components**			
	A	Perimeter and Access Roads	GOOD - Wet	
	B	Ditches		
	C	Culverts	GOOD Moderate Flow Conditions	
	D	Perimeter Fence	Gates / Damaged	
	E	Utilities	Elec. / Phone /	
3	**Containment Cell**			
	A	Surface Cover System	Burrows 0 Vegetation /	
	B	Gas Vents (2)	Not Inspected	
	B'	PID Readings	(Y or (N)) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
	C	Collection Pipe / Cleanout	MH Needs to be Pump Down	
	D	Perimeter Drains (4)	Flow	
4	**Leachate Collection Manhole**			
	A	Structure	External / Internal /	
	B	Pumps and Plumbing	Pump 1 Hours 1346 Pump 2 Hours 2236	
	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	Need to be Pumped Down after Repair	
	E	Conveyance Pipe	MH 3/4 full	
	F	Influent Pipe		
	G	Confined Space Entry	(Y or (N)) (see Form B)	

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

Synapse Representative: R. Creighton Date: 4/27/2014

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) SCADA 3000 Installed	
6	**Leachate Storage System**			
A	Tank (External)		Internal (Y or (N))	
A'	Flow Totalizer		Reading = 83700 gal.	
B	Secondary Containment		Liquid (Y or (N))	
C	Piping Components			
D	Electrical Components		Lock___ Light Bulbs 1 New LED Bulbs Installed	
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: 5/21/2014

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	
B	Ditches	Need Mowing	
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	Not Inspected	
D	Perimeter Drains (4)	No Flow	
4 Leachate Collection Manhole			
A	Structure	External ___ Internal ___	
B	Pumps and Plumbing	Pump 1 Hours 1346 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	Need to be Pump-out	
E	Conveyance Pipe		
F	Influent Pipe	~~Drip~~ Manhole 3/4 full	
G	Confined Space Entry	(Y or N) (see Form B)	

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

Synapse Representative: R. Creighton Date: 5/21/2014

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 = 83700 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:

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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 / PMF Date: 6/4/2014

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 / Gate Damage	
	B	Ditches		
	C	Culverts		
	D	Perimeter Fence	Gates ✓	
	E	Utilities	Elec. ✓ Phone ✓	
3	**Containment Cell**			
	A	Surface Cover System	Burrows 0 Vegetation ✓	
	B	Gas Vents (2)		
	B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
	C	Collection Pipe / Cleanout	Not Inspected	
	D	Perimeter Drains (4)	Flow	
4	**Leachate Collection Manhole**			
	A	Structure	External ✓ Internal ✓	
	B	Pumps and Plumbing	Pump 1 Hours 134.6 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	Need to be Pumped-Down / Replace sensor	
	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: R. Creighton / PMF Date: 6/4/2014

Category		Inspected	Observation/Condition	✓
5	**Building**			
A	Structure		Lock ✓, Vent OPEN, 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 = 83700 gal. → Final 85,200 = 1,500 gallons	
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:

Pump Repair – Sealed Manhole Cover
→ Stripped Effluent Pipe – pump Leachate Collection Tank
→ Pumped out Interstitial Space

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: 7/15/2014

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	
B	Ditches	Need Mowing	
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)		
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
C	Collection Pipe / Cleanout	Not Inspected	
D	Perimeter Drains (4)	No flow	
4 Leachate Collection Manhole			
A	Structure	External ___ Internal ___	
B	Pumps and Plumbing	Pump 1 Hours 135.2 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	Drip	
G	Confined Space Entry	(Y or N) (see Form B)	

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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: 7/15/2014

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 = 85200 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: 8/25/2014

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	
B	Ditches	Good	
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 /	
B	Pumps and Plumbing	Pump 1 Hours 136.2 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	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: 8/25/2014

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 = 85900 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: 9/19/2014

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	
B	Ditches	Good	
C	Culverts	Good	
D	Perimeter Fence	Gates /	
E	Utilities	Elec. / Phone /	
3 Containment Cell			
A	Surface Cover System	Burrows F Vegetation /	
B	Gas Vents (2)		
B'	PID Readings	(Y or (N)) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
C	Collection Pipe / Cleanout	Dry	
D	Perimeter Drains (4)	No Flow	
4 Leachate Collection Manhole			
A	Structure	External___ Internal___	
B	Pumps and Plumbing	Pump 1 Hours 137.3 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 1	
D	Manhole Interstitial Space		
E	Conveyance Pipe		
F	Influent Pipe		
G	Confined Space Entry	(Y or (N)) (see Form B)	

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OPERATION, MAINTENANCE AND MONITORING

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

Synapse Representative: R. Creighton Date: 9/19/2014

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 = 86200 gal. Wall = 12	/
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: 10/15/2014

Category		Inspected	Observation/Condition	✓
1	**General Property**			
	A	General Property Access	GOOD	
	B	General Property Drainage	~~SPDES Outfall (001 002 003)~~ N/A	
2	**Cell Perimeter Components**			
	A	Perimeter and Access Roads	GOOD	
	B	Ditches	GOOD	
	C	Culverts	Damaged Gate	
	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	Drip	
	D	Perimeter Drains (4)	No Flow	
4	**Leachate Collection Manhole**			
	A	Structure	External / Internal /	
	B	Pumps and Plumbing	Pump 1 Hours 137.4 Pump 2 Hours 2236	
	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 1	
	D	Manhole Interstitial Space		
	E	Conveyance Pipe		
	F	Influent Pipe		
	G	Confined Space Entry	(Y or N) (see Form B)	

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

Synapse Representative: R. Creighton Date: 10/15/2014

Category	Inspected	Observation/Condition	✓
5 Building			
A	Structure	Lock /, Vent /, 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 = 1300 gal. Meter Covered	✓
B	Secondary Containment	Liquid (Y or N)	✓
C	Piping Components		✓
D	Electrical Components	Lock / Light Bulbs 1	✓
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: 11/14/2014

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 / Snow Covered	
B	Ditches	Good	
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		
D	Perimeter Drains (4)	No Flow	
4 Leachate Collection Manhole			
A	Structure	External___ Internal___	
B	Pumps and Plumbing	Pump 1 Hours 137.5 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_____	
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: 11/14/2014

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) Turned Tank Heaters on	
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:

Center = 22993 KWH
West = 4494 KWH

FORM A - SITE INSPECTION REPORT
OPERATION, MAINTENANCE AND MONITORING

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

Company: SRM + SLE Representative: CREIGHTON/FISHER Date: 12/19/14

Category		Inspected	Observation/Condition	√
1	**General Property**			
	A	General Property Access	OK; 1/2" SNOW; SOME PILED SNOW	✓
	B	General Property Drainage	OK; NOTED BUSHES	✓
2	**Cell Perimeter Components**			
	A	Perimeter and Access Roads	V. GOOD	✓
	B	Ditches	OK; NOTED A FEW BUSHES	✓
	C	Culverts	OPEN	✓
	D	Perimeter Fence	West Gate ✓; Northeast Gate ✓ OK	✓
	E	Utilities	Elec. ✓; Phone ✓ WIRES OK	✓
3	**Containment Cell**			
	A	Surface Cover System	Burrows 2; Vegetation 4; Mowing 4	✓
	B	Gas Vents (2)	GOOD CONDITION	✓
	B'	PID Readings	(Y or N) Background ___ ppm; @ 20' ___ ppm; @ Vent ___ ppm	✓
	C	Collection Pipe / Cleanout	Lock ___ GOOD CONDITION	✓
	D	Perimeter Drains (4)	Screens ___ COULD CLEAN + RESTAKE	✓
4	**Leachate Collection Manhole**			
	A	Structure	External ✓; Internal ✓ GOOD	✓
	B	Pumps and Plumbing	Pump 1 Hours 137.6; Pump 2 Hours 223.6	✓
	B'	Pump Changeover	(Y or N) Lead Pump # 1 Lag Pump # 2	✓
	B"	Test Automatic Pump Controls	LSHH OK; LSH NG; LSL OK; LSLL OK	✓
	C	Electrical Components	Panel Board ✓; Test Pumps (Y or N); Light Bulbs ✓ #2 - NG - HUMS	✓
	D	Manhole Interstitial Space	NO WATER DETECTED	✓
	E	Conveyance Pipe	OK	✓
	F	Influent Pipe	OK; TRACE SCALING	✓
	G	Confined Space Entry	(Y or N) (see Form B)	✓

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FORM A - SITE INSPECTION REPORT
OPERATION, MAINTENANCE AND MONITORING

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

Company: SRM + SE Representative: CRIGHTON / FISHER Date: 12/19/14

Category		Inspected	Observation/Condition	√
5	**Building**			
	A	Structure	Lock OK; Vent Close; Heater OIV	✓
	B	Electrical and Telephone	Elec. Y; Phone Y	✓
	C	Auto Dialer and Controls	Test Functions (Y or N) (see Form F)	✓
6	**Leachate Storage System**			
	A	Tank (External)	Internal (Y or N) OK	✓
	A'	Flow Totalizer	Reading = 00 gal. REMOVING 59" WATER	✓
	B	Secondary Containment	Liquid (Y or N)	✓
	C	Piping Components	Insulation ✓	✓
	D	Electrical Components	Lock ✓; Light Bulbs ✓	✓
	E	Leachate Sampling	(Y or N) (see Form C)	✓
7	**Sub Slab Depressurization System**			
	A	Fan No. 1 System	Piping _____, Vac _____, Fan _____, Exhaust _____	
	B	Fan No. 2 System	Piping _____, Vac _____, Fan _____, Exhaust _____	
	C	Fan No. 3 System	Piping _____, Vac _____, Fan _____, Exhaust _____	
	D	Fan No. 4 System OFF	Piping _____, Vac _____, Fan _____, Exhaust _____	
	E	Fan No. 5 System	Piping _____, Vac _____, Fan _____, Exhaust _____	
	F	Fan No. 6 System	Piping _____, Vac _____, Fan _____, Exhaust _____	

Additional Comments: REPLACEMENT ON ORDER

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

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

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: Meryl Corsum Received Alarm: (Y) or N

Test Alarm: Y or (N) Date: 3/26/14 Date and Time: 3/26/14 ; 4:24–5:39 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	Y	
7	Tank Low Temperature		
8	Inside Temperature		
9	Outside Temperature		
10-21	SSDS		See Form F - 2
22	Power Off		

Reason for Alarm: Interstitial space sensor broken

Action Taken: Interstial space sensor to be replaced in April 2014.

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: Meryl Carsun Received Alarm: (Y) or N

Test Alarm: Y or (N) Date: 3/21/14 Date and Time: 2/22/14 ; 1:07 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	yes	
7	Tank Low Temperature		
8	Inside Temperature		
9	Outside Temperature		
10-21	SSDS		See Form F - 2
22	Power Off		

Reason for Alarm: Interstitial space sensor broken

Action Taken: Interstitial space sensor to be replaced in April 2014

Comments: _____

synapse

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

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

Company: SRM + SE Representative: CREIGHTON / FISHER Date: 12/19/14

Test Alarm: Y or N or Received Alarm: Y or N on Date: _____

Remedial Action Facility

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
0	Tank Level (Inches)		Measured: 59"; Reading: 57.04" → 41.6
1	Tank High Level (100%)		No Ck
2	Tank Leak		OK
3	Tank 90% Full		No Ck
4	High Manhole Level		OK
5	Manhole Leak		FLOAT NOT ACTIVE
6	Pipe Leak		No Ck
7	Tank Low Temperature		No Ck
8	Inside Temperature		65°F
9	Outside Temperature		67.5°F ? ≈ 30°
10-21	SSDS (Page 2)		No Ck
22	Power Off		

Reason for Alarm: _____

Action Taken: _____

Comments: _____

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

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

Company: SRM+SE Representative: CREIGHTON/FISHER Date: 12/19/14

Test Alarm: Y or N or Received Alarm: Y or N on Date: _____

Sub-Slab Depressurization System

Channel No.	Function	Alarm Rec'd	Testing Results and Comments
10	Fan #1 Off		
11	Fan #2 Off		
12	Fan #3 Off		
13	Fan #4 Off		FAN 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: _____

Action Taken: _____

Comments: REPLACEMENT FAN ON ORDER

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APPENDIX C
LEACHATE DISPOSAL CORRESPONDENCE AND ANALYTICAL DATA

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

APPENDIX D
WATER LEVEL FIELD LOGS - FORM D

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

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: 4/22/2014

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	3.85	461.62	6.66	13:00	
MW-13A	10.92	10.92	469.23	2.52	466.71	8.40	12:30	
MW-14A	13.00	12.95	~~478.37~~ 478.45	2.95	475.42 ~~50~~	10.00	11:20	
MW-17	11.25	11.25	466.02	10.05	455.97	1.2	15:00	
MW-18	11.73	11.73	475.96	4.58	471.38	7.15	14:40	
SCT CO-1			472.30		465.2			
SCT CO-2			473.42		465.7			
SCT CO-3			471.21		465.6			
NCT CO-1			464.70		453.4			
MH-2 (Collection)	12.80		465.31		453.7			

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: 10/28/2014

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	4.35	461.08	6.17	12:35	
MW-13A	10.92	11.06	469.23	4.45	464.78	6.61	12:15	
MW-14	13.00	12.99	478.37	3.11	475.26	9.88	10:40	
MW-17	11.25	~~10.95~~ 11.25	466.02	10.95	455.07	0.3	12:50	
MW-18	11.73	11.74	475.96	5.18	470.78	6.56	14:00	
SCT CO-1			472.30		465.2			
SCT CO-2			473.42		465.71			
SCT CO-3			471.21		465.61			
NCT CO-1			464.70		453.42			
MH-2 (Collection)	12.80		465.31		453.35			

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 E
GROUNDWATER SAMPLING LOGS – FORM E

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

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: 4/22/14 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)
13:55				375	3.85							
13:57				"	4.95	6.88	7.96	.427	7.74	-125	283	
13:59				"	5.15	6.85	7.74	.399	6.25	-125	240	
14:01				"	5.25	6.80	7.66	.386	5.61	-124	266	
14:05				"	5.41	6.70	7.47	.383	5.21	-125	239	
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

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: 4/22/14 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)
12:38					2.52							
12:40				375	3.41	7.06	8.9	.493	6.44	24	18.7	
12:43				"	3.51	7.03	8.49	.496	5.64	-11	16.3	
12:45				"	3.65	7.03	8.3	.498	5.29	-30	11.2	
12:49				"	4.72	7.04	8.11	.500	4.98	-48	4.7	
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: 10.95

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: 4/22/14 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)
11:40					2.95							
11:42				300	4.70	6.67	7.71	.560	8.42	-10	405	
11:44				"	4.89	6.64	7.15	.554	7.33	-21	78.5	
11:46				"	5.05	6.62	7.08	.550	6.82	-24	30.9	
11:48				"	5.15	6.62	7.11	.561	6.32	-31	30	
11:50				"	5.0	6.64	6.97	.573	6.01	-25	33.7	
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: 12.95 ft.

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: 4/22/14 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)
15:10					10.05							
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

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

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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: 4/22/14 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)
14:40					4.58							
				375	5.65	6.87	6.49	.604	10.46	-71	7.4	
				"	6.35	6.95	6.98	.606	6.44	-80	7.4	
				"	6.55	6.99	5.90	.603	5.97	-81	2.9	
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

GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

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

Synapse Representative: RC + MC Date: 10/28/14 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)
12:52	20	5	10		4.~~8~~35							
13:09	"	"	"	350	5.51	5.75	16.5	1.79	2.01	-41	71	.35
13:12	"	"	"	"	5.51	5.76	16.5	1.75	1.42	-75	36.5	"
13:15	"	"	"	"	5.55	5.64	16.5	1.65	1.38	-95	18.3	"
13:17	"	"	"	"	5.60	5.57	16.4	1.62	1.26	-101	12.6	
13:19	"	"	"	"	5.65	5.46	16.4	1.59	1.20	-99	9.2	
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

Total Depth: 10.52'

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, SO4, TDS, SU, Turbidity

Sample Collection Time	Start	End
	13:20	

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GROUNDWATER SAMPLING LOG (FORM E)
OPERATION, MAINTENANCE, AND MONITORING

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

Synapse Representative: RC + MC Date: 10/28/14 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)
12:15	20	5	10	300	4.45							.3
12:17	"	"	"	"	4.80	5.89	16.5	1.8	3.6	211	12.1	"
12:19	"	"	"	"	4.90	5.84	16.5	1.8	2.68	199	5.2	"
12:21	"	"	"	"	4.99	5.88	16.6	1.79	1.84	111	1.7	"
12:23	"	"	"	"	5.05	5.82	16.6	1.80	1.47	22	0.6	
12:26	"	"	"	"	5.10	5.82	16.6	1.80	1.22	-26	0.2	
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)										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: 11.06'

ORP continuously dropping

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: RC + MC Date: 10/28/14 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)
10:43					3.11							
11:23	20	5	10	300	4.35	5.64	12.8	2.13	8.30	177	90.1	.3
11:26	20	5	10	300	4.52	5.60	12.77	2.15	6.42	147	79.8	.3
11:29	"	"	"	"	4.53	5.60	12.75	2.16	6.07	147	53.6	.3
11:31	"	"	"	"	4.53	5.67	12.74	2.15	5.87	155	49.2	"
11:34	"	"	"	"	4.53	5.59	12.75	2.19	5.36	180	35.6	"
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

Total depth: 12.99'

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
	11:35	

MUR 100 ½" Hershey

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: RC & MC Date: 10/28/2014 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)
12:50												
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

DTW = 10.95

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, SO_4, 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: RC + MC Date: 10/28/14 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)
14:11	15	5	10	325	5.18							.325
14:16	"	"	"	"	6.51	5.60	14.9	1.93	9.29	-48	3.2	
14:18	"	"	"	"	6.81	5.50	14.6	1.90	2.41	-60	4.4	
14:21	"	"	"	"	7.05	5.45	14.4	1.93	1.79	-74	10.9	
14:24	"	"	"	"	7.15	5.52	14.4	1.95	1.47	-72	6.5	
14:26	"	"	"	"	7.20	5.45	14.3	1.95	1.31	-79	4.5	
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
	14:30	

Total Depth: 11.79

pH calibration confirmed; passed all manufacturer calibrations

synapse

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.
405 Cambridge Ave
Syracuse, NY 13208
Toll-free: (877) 903-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 21376
Description Horiba U-52
Calibrated 10/27/2014 10:44:50AM

Manufacturer Horiba
Model Number U-5000
Serial Number/ Lot Number 3KLA10GB
Location New York
Department

State Certified
Status Pass
Temp °C 20.6
Humidity % 49

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.01 / 7.01	PH	7.01	PH	7.01	7.01	0.00%	Pass
4.01 / 4.01	PH	4.01	PH	4.01	4.01	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.00	0.00	0.00%	Pass
800.00 / 800.00	NTU	800.00	NTU	800.00	800.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.718 / 0.718	ms/cm	0.718	ms/cm	0.718	0.718	0.00%	Pass
5.000 / 5.000	ms/cm	5.000	ms/cm	5.000	5.000	0.00%	Pass
80.000 / 80.000	ms/cm	80.000	ms/cm	80.000	80.000	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	240.00	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Zero
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.

405 Cambridge Ave
Syracuse, NY 13208
Toll-free: (877) 903-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 21376
Description Horiba U-52
Calibrated 10/27/2014 10:44:50AM

Group # 5 — **Range Acc %** 0.0000
Group Name Disolved Oxygen Zero — **Reading Acc %** 3.0000
Stated Accy Pct of Reading — **Plus/Minus** 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	mg/L	0.00	mg/L	0.00	0.00	0 00%	Pass

Group # 6 — **Range Acc %** 0.0000
Group Name Temperature DO Span — **Reading Acc %** 0.0000
Stated Accy Plus / Minus — **Plus/Minus** 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
20.00 / 18.00	degrees C	9.18	mg/L	9.18	9.18	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NYS COND 5K - 4AD416	NYS COND 5K - 4AD416	AquaPhoenix Scientific	SL20500-5G	4AD416		4/30/2015
NYS COND 718 - 4AD412	NYS COND 718 - 4AD412	GFS	SL20718-HA5G	4AD412		4/30/2015
NYS COND 80K - 4AD416	NYS COND 80K - 4AD416	AquaPhoenix Scientific	SL20032-5G	4AD416		4/30/2015
NYS DO ZERO	NYS DO ZERO	EMD	WQA90122	201023821		
NYS ORP 240 - 6448	NYS ORP 240 - 6448	Hanna	240 MV	6448		7/30/2018
NYS PH 4 - 4AB415	NYS PH 4 - 4AB415	VWR	SL1007-5G	4AB415		2/28/2016
NYS PH 7 - 4AC064	NYS PH 7 - 4AC064	VWR	SL1007-5G	4AC064		3/31/2016
NYS TURB 0 NTU - C468986	NYS TURB 0 NTU - C468986	GFS	SL30005-5G	C468986		3/31/2015
NYS TURB 800 NTU - A3073	NYS TURBIDITY STANDARD 800 NTU - A3073	Horiba	SL40047-1L	A3073		2/28/2016

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Joseph P. Burkhart

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.

405 Cambridge Ave
Syracuse, NY 13208
Toll-free: (877) 903-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 21376
Description Horiba U-52
Calibrated 10/27/2014 10:44:50AM

All instruments are calibrated by Pine Environmental Services, LLC. according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services, LLC. of any defect within 24 hours of receipt of equipment
Please call 866-960-7463 for Technical Assistance

APPENDIX F
GROUNDWATER ANALYTICAL DATA

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

ANALYTICAL REPORT

Lab Number:	L1408453
Client:	Synapse Risk Management, LLC 360 Erie Blvd. East Syracuse, NY 13202
ATTN:	Roger Creighton
Phone:	(315) 475-3700
Project Name:	DANA 01-14.02
Project Number:	Not Specified
Report Date:	05/05/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1408453-01	MW-14A	2200 BLEECKER ST., UTICA, NY	04/22/14 12:00
L1408453-02	MW-13A	2200 BLEECKER ST., UTICA, NY	04/22/14 13:00
L1408453-03	MW-6R	2200 BLEECKER ST., UTICA, NY	04/22/14 14:10
L1408453-04	MW-18	2200 BLEECKER ST., UTICA, NY	04/22/14 15:00
L1408453-05	042214 DUP	2200 BLEECKER ST., UTICA, NY	04/22/14 00:00

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: DANA 01-14.02 **Lab Number:** L1408453
Project Number: Not Specified **Report Date:** 05/05/14

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: 05/05/14

ORGANICS

VOLATILES

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-01	Date Collected:	04/22/14 12:00
Client ID:	MW-14A	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/02/14 15:22		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID: L1408453-02
Client ID: MW-13A
Sample Location: 2200 BLEECKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/02/14 15:51
Analyst: PD

Date Collected: 04/22/14 13:00
Date Received: 04/22/14
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	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-03	Date Collected:	04/22/14 14:10
Client ID:	MW-6R	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/02/14 17:17		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-04	Date Collected:	04/22/14 15:00
Client ID:	MW-18	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/02/14 17:46		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	19		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-05	Date Collected:	04/22/14 00:00
Client ID:	042214 DUP	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/02/14 18:15		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	19		ug/l	1.0	0.33	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/02/14 11:02
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG686969-3					
Vinyl chloride	ND		ug/l	1.0	0.33
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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: WG686969-1 WG686969-2								
Methylene chloride	120		118		70-130	2		20
1,1-Dichloroethane	122		117		70-130	4		20
Chloroform	119		115		70-130	3		20
Carbon tetrachloride	101		98		63-132	3		20
1,2-Dichloropropane	123		118		70-130	4		20
Dibromochloromethane	89		89		63-130	0		20
1,1,2-Trichloroethane	93		94		70-130	1		20
Tetrachloroethene	88		86		70-130	2		20
Chlorobenzene	93		92		75-130	1		20
Trichlorofluoromethane	125		120		62-150	4		20
1,2-Dichloroethane	120		119		70-130	1		20
1,1,1-Trichloroethane	114		110		67-130	4		20
Bromodichloromethane	114		114		67-130	0		20
trans-1,3-Dichloropropene	89		90		70-130	1		20
cis-1,3-Dichloropropene	120		117		70-130	3		20
1,1-Dichloropropene	117		111		70-130	5		20
Bromoform	88		89		54-136	1		20
1,1,2,2-Tetrachloroethane	86		86		67-130	0		20
Benzene	119		114		70-130	4		20
Toluene	90		90		70-130	0		20
Ethylbenzene	92		91		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANA 01-14.02

Project Number: Not Specified

Lab Number: L1408453

Report Date: 05/05/14

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: WG686969-1 WG686969-2								
Chloromethane	126		119		64-130	6		20
Bromomethane	87		92		39-139	6		20
Vinyl chloride	119		113		55-140	5		20
Chloroethane	138		130		55-138	6		20
1,1-Dichloroethene	117		113		61-145	3		20
trans-1,2-Dichloroethene	118		113		70-130	4		20
Trichloroethene	118		115		70-130	3		20
1,2-Dichlorobenzene	87		85		70-130	2		20
1,3-Dichlorobenzene	87		86		70-130	1		20
1,4-Dichlorobenzene	87		86		70-130	1		20
Methyl tert butyl ether	115		113		63-130	2		20
p/m-Xylene	94		93		70-130	1		20
o-Xylene	95		94		70-130	1		20
cis-1,2-Dichloroethene	120		115		70-130	4		20
Dibromomethane	120		117		70-130	3		20
1,2,3-Trichloropropane	89		90		64-130	1		20
Acrylonitrile	119		121		70-130	2		20
Styrene	96		95		70-130	1		20
Dichlorodifluoromethane	117		109		36-147	7		20
Acetone	125		121		58-148	3		20
Carbon disulfide	117		112		51-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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: WG686969-1 WG686969-2								
2-Butanone	111		110		63-138	1		20
Vinyl acetate	127		124		70-130	2		20
4-Methyl-2-pentanone	117		116		59-130	1		20
2-Hexanone	81		83		57-130	2		20
Bromochloromethane	125		121		70-130	3		20
2,2-Dichloropropane	120		115		63-133	4		20
1,2-Dibromoethane	88		90		70-130	2		20
1,3-Dichloropropane	92		90		70-130	2		20
1,1,1,2-Tetrachloroethane	93		90		64-130	3		20
Bromobenzene	86		84		70-130	2		20
n-Butylbenzene	77		76		53-136	1		20
sec-Butylbenzene	85		82		70-130	4		20
tert-Butylbenzene	85		82		70-130	4		20
o-Chlorotoluene	91		89		70-130	2		20
p-Chlorotoluene	87		84		70-130	4		20
1,2-Dibromo-3-chloropropane	81		81		41-144	0		20
Hexachlorobutadiene	79		77		63-130	3		20
Isopropylbenzene	86		84		70-130	2		20
p-Isopropyltoluene	85		80		70-130	6		20
Naphthalene	77		79		70-130	3		20
n-Propylbenzene	86		84		69-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANA 01-14.02

Project Number: Not Specified

Lab Number: L1408453

Report Date: 05/05/14

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: WG686969-1 WG686969-2								
1,2,3-Trichlorobenzene	76		78		70-130	3		20
1,2,4-Trichlorobenzene	74		76		70-130	3		20
1,3,5-Trimethylbenzene	87		85		64-130	2		20
1,2,4-Trimethylbenzene	85		82		70-130	4		20
1,4-Dioxane	104		105		56-162	1		20
1,4-Diethylbenzene	81		78		70-130	4		20
4-Ethyltoluene	87		84		70-130	4		20
1,2,4,5-Tetramethylbenzene	80		82		70-130	2		20
Ethyl ether	125		120		59-134	4		20
trans-1,4-Dichloro-2-butene	86		84		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	86		87		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	103		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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: WG686969-4 WG686969-5 QC Sample: L1408453-02 Client ID: MW-13A												
Methylene chloride	ND	10	13	129		13	128		70-130	0		20
1,1-Dichloroethane	ND	10	13	**131**	Q	13	130		70-130	0		20
Chloroform	ND	10	13	129		13	128		70-130	0		20
Carbon tetrachloride	ND	10	11	112		11	109		63-132	0		20
1,2-Dichloropropane	ND	10	13	129		13	130		70-130	0		20
Dibromochloromethane	ND	10	9.5	95		9.6	96		63-130	1		20
1,1,2-Trichloroethane	ND	10	9.8	98		10	100		70-130	2		20
Tetrachloroethene	ND	10	9.3	93		9.1	91		70-130	2		20
Chlorobenzene	ND	10	9.6	96		9.5	95		75-130	1		20
Trichlorofluoromethane	ND	10	14	139		13	131		62-150	7		20
1,2-Dichloroethane	ND	10	13	**132**	Q	13	**131**	Q	70-130	0		20
1,1,1-Trichloroethane	ND	10	12	125		12	125		67-130	0		20
Bromodichloromethane	ND	10	12	125		12	125		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.2	92		9.3	93		70-130	1		20
cis-1,3-Dichloropropene	ND	10	12	120		12	122		70-130	0		20
1,1-Dichloropropene	ND	10	12	124		12	121		70-130	0		20
Bromoform	ND	10	9.1	91		9.3	93		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	8.9	89		9.3	93		67-130	4		20
Benzene	ND	10	13	127		13	126		70-130	0		20
Toluene	ND	10	9.3	93		9.2	92		70-130	1		20
Ethylbenzene	ND	10	9.5	95		9.3	93		70-130	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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: WG686969-4 WG686969-5 QC Sample: L1408453-02 Client ID: MW-13A												
Chloromethane	ND	10	14	**140**	Q	14	**140**	Q	64-130	0		20
Bromomethane	ND	10	8.2	82		9.1	91		39-139	10		20
Vinyl chloride	ND	10	13	131		13	133		55-140	0		20
Chloroethane	ND	10	14	**142**	Q	14	**142**	Q	55-138	0		20
1,1-Dichloroethene	ND	10	13	128		13	127		61-145	0		20
trans-1,2-Dichloroethene	ND	10	13	127		13	128		70-130	0		20
Trichloroethene	ND	10	13	128		13	126		70-130	0		20
1,2-Dichlorobenzene	ND	10	8.7	87		8.9	89		70-130	2		20
1,3-Dichlorobenzene	ND	10	8.7	87		8.8	88		70-130	1		20
1,4-Dichlorobenzene	ND	10	8.6	86		8.8	88		70-130	2		20
Methyl tert butyl ether	ND	10	12	125		12	125		63-130	0		20
p/m-Xylene	ND	20	19	97		19	96		70-130	0		20
o-Xylene	ND	20	19	97		20	98		70-130	5		20
cis-1,2-Dichloroethene	ND	10	13	128		13	129		70-130	0		20
Dibromomethane	ND	10	13	128		13	**132**	Q	70-130	0		20
1,2,3-Trichloropropane	ND	10	9.2	92		9.4	95		64-130	2		20
Acrylonitrile	ND	10	13	**133**	Q	14	**136**	Q	70-130	7		20
Styrene	ND	20	20	100		20	99		70-130	0		20
Dichlorodifluoromethane	ND	10	12	124		11	113		36-147	9		20
Acetone	1.0J	10	14	136		14	143		58-148	0		20
Carbon disulfide	ND	10	12	123		12	124		51-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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: WG686969-4 WG686969-5 QC Sample: L1408453-02 Client ID: MW-13A												
2-Butanone	ND	10	13	128		12	124		63-138	8		20
Vinyl acetate	ND	10	13	**135**	Q	13	**132**	Q	70-130	0		20
4-Methyl-2-pentanone	ND	10	12	124		13	**131**	Q	59-130	8		20
2-Hexanone	ND	10	8.6	86		9.0	90		57-130	5		20
Bromochloromethane	ND	10	13	**132**	Q	14	**136**	Q	70-130	7		20
2,2-Dichloropropane	ND	10	12	123		12	120		63-133	0		20
1,2-Dibromoethane	ND	10	9.4	95		9.6	96		70-130	2		20
1,3-Dichloropropane	ND	10	9.5	95		9.7	97		70-130	2		20
1,1,1,2-Tetrachloroethane	ND	10	9.7	97		9.8	98		64-130	1		20
Bromobenzene	ND	10	8.7	87		8.8	88		70-130	1		20
n-Butylbenzene	ND	10	6.8	68		8.5	85		53-136	**22**	Q	20
sec-Butylbenzene	ND	10	8.3	83		8.3	83		70-130	0		20
tert-Butylbenzene	ND	10	8.4	84		8.3	83		70-130	1		20
o-Chlorotoluene	ND	10	9.0	90		9.0	90		70-130	0		20
p-Chlorotoluene	ND	10	8.5	85		8.6	86		70-130	1		20
1,2-Dibromo-3-chloropropane	ND	10	7.7	77		8.7	87		41-144	12		20
Hexachlorobutadiene	ND	10	7.2	72		7.3	73		63-130	1		20
Isopropylbenzene	ND	10	8.5	85		8.4	84		70-130	1		20
p-Isopropyltoluene	ND	10	7.9	79		8.4	85		70-130	6		20
Naphthalene	ND	10	5.8	**58**	Q	8.5	85		70-130	**38**	Q	20
n-Propylbenzene	ND	10	8.5	85		8.4	84		69-130	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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: WG686969-4 WG686969-5 QC Sample: L1408453-02 Client ID: MW-13A												
1,2,3-Trichlorobenzene	ND	10	6.4	**64**	Q	8.7	87		70-130	**30**	Q	20
1,2,4-Trichlorobenzene	ND	10	6.2	**62**	Q	8.5	85		70-130	**31**	Q	20
1,3,5-Trimethylbenzene	ND	10	8.6	86		8.6	86		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	8.0	80		8.6	87		70-130	7		20
1,4-Dioxane	ND	500	ND	**0**	Q	ND	**0**	Q	56-162	NC		20
1,4-Diethylbenzene	ND	10	7.3	73		8.4	85		70-130	14		20
4-Ethyltoluene	ND	10	8.4	84		8.4	84		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	6.6	**66**	Q	8.6	86		70-130	**26**	Q	20
Ethyl ether	ND	10	13	127		13	129		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	8.8	88		9.1	91		70-130	3		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	105		105		70-130
Toluene-d8	85		85		70-130

PCBS

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-01	Date Collected:	04/22/14 12:00
Client ID:	MW-14A	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	04/24/14 04:06
Analytical Date:	04/25/14 19:42	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	04/25/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/25/14

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	74		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-02	Date Collected:	04/22/14 13:00
Client ID:	MW-13A	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	04/24/14 04:06
Analytical Date:	04/25/14 19:54	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	04/25/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/25/14

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	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-03	Date Collected:	04/22/14 14:10
Client ID:	MW-6R	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	04/24/14 04:06
Analytical Date:	04/25/14 20:06	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	04/25/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/25/14

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	71		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-04	Date Collected:	04/22/14 15:00
Client ID:	MW-18	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	04/24/14 04:06
Analytical Date:	04/25/14 20:19	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	04/25/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/25/14

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	49		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID:	L1408453-05	Date Collected:	04/22/14 00:00
Client ID:	042214 DUP	Date Received:	04/22/14
Sample Location:	2200 BLEECKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	04/24/14 04:06
Analytical Date:	04/25/14 20:31	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	04/25/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	04/25/14

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	76		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/25/14 21:20
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 04/24/14 04:06
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/25/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG684676-1						
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	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	87		30-150	A
Decachlorobiphenyl	89		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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: WG684676-4 WG684676-5 QC Sample: L1408453-02 Client ID: MW-13A													
Aroclor 1016	ND	2.6	1.72	66		2.10	81		40-140	20		50	A
Aroclor 1260	ND	2.6	2.07	80		1.55	60		40-140	29		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		76		30-150	A
Decachlorobiphenyl	81		93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		81		30-150	B
Decachlorobiphenyl	81		95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANA 01-14.02

Project Number: Not Specified

Lab Number: L1408453

Report Date: 05/05/14

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: WG684676-2 WG684676-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	87		91		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		66		30-150	A
Decachlorobiphenyl	97		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		71		30-150	B
Decachlorobiphenyl	98		90		30-150	B

METALS

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID: L1408453-01 Date Collected: 04/22/14 12:00

Client ID: MW-14A Date Received: 04/22/14

Sample Location: 2200 BLEECKER ST., UTICA, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00059	J	mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:37	EPA 3005A	1,6020A	KL
Copper, Total	0.00423		mg/l	0.00100	0.00010	1	04/29/14 09:39	04/30/14 11:37	EPA 3005A	1,6020A	KL
Lead, Total	0.00135		mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:37	EPA 3005A	1,6020A	KL
Zinc, Total	0.00445	J	mg/l	0.01000	0.00120	1	04/29/14 09:39	04/30/14 11:37	EPA 3005A	1,6020A	KL

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID: L1408453-02 Date Collected: 04/22/14 13:00

Client ID: MW-13A Date Received: 04/22/14

Sample Location: 2200 BLEECKER ST., UTICA, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00027	J	mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:15	EPA 3005A	1,6020A	KL
Copper, Total	0.00074	J	mg/l	0.00100	0.00010	1	04/29/14 09:39	04/30/14 11:15	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:15	EPA 3005A	1,6020A	KL
Zinc, Total	0.01360		mg/l	0.01000	0.00120	1	04/29/14 09:39	04/30/14 11:15	EPA 3005A	1,6020A	KL

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID: L1408453-03 Date Collected: 04/22/14 14:10

Client ID: MW-6R Date Received: 04/22/14

Sample Location: 2200 BLEECKER ST., UTICA, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00114		mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:40	EPA 3005A	1,6020A	KL
Copper, Total	0.00254		mg/l	0.00100	0.00010	1	04/29/14 09:39	04/30/14 11:40	EPA 3005A	1,6020A	KL
Lead, Total	0.00086	J	mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:40	EPA 3005A	1,6020A	KL
Zinc, Total	0.01502		mg/l	0.01000	0.00120	1	04/29/14 09:39	04/30/14 11:40	EPA 3005A	1,6020A	KL

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID: L1408453-04 Date Collected: 04/22/14 15:00

Client ID: MW-18 Date Received: 04/22/14

Sample Location: 2200 BLEECKER ST., UTICA, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	ND		mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:44	EPA 3005A	1,6020A	KL
Copper, Total	0.00072	J	mg/l	0.00100	0.00010	1	04/29/14 09:39	04/30/14 11:44	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:44	EPA 3005A	1,6020A	KL
Zinc, Total	0.00459	J	mg/l	0.01000	0.00120	1	04/29/14 09:39	04/30/14 11:44	EPA 3005A	1,6020A	KL

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

SAMPLE RESULTS

Lab ID: L1408453-05 Date Collected: 04/22/14 00:00

Client ID: 042214 DUP Date Received: 04/22/14

Sample Location: 2200 BLEECKER ST., UTICA, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Chromium, Total	0.00023	J	mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:48	EPA 3005A	1,6020A	KL
Copper, Total	0.00091	J	mg/l	0.00100	0.00010	1	04/29/14 09:39	04/30/14 11:48	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 11:48	EPA 3005A	1,6020A	KL
Zinc, Total	0.01549		mg/l	0.01000	0.00120	1	04/29/14 09:39	04/30/14 11:48	EPA 3005A	1,6020A	KL

Project Name: DANA 01-14.02 **Lab Number:** L1408453

Project Number: Not Specified **Report Date:** 05/05/14

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: WG685780-1										
Chromium, Total	ND		mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 10:57	1,6020A	KL
Copper, Total	0.00059	J	mg/l	0.00100	0.00010	1	04/29/14 09:39	04/30/14 10:57	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	04/29/14 09:39	04/30/14 10:57	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	04/29/14 09:39	04/30/14 10:57	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: DANA 01-14.02

Project Number: Not Specified

Lab Number: L1408453

Report Date: 05/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG685780-2								
Chromium, Total	95		-		80-120	-		
Copper, Total	97		-		80-120	-		
Lead, Total	100		-		80-120	-		
Zinc, Total	100		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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: WG685780-3 WG685780-4 QC Sample: L1408453-02 Client ID: MW-13A												
Chromium, Total	0.00027J	0.2	0.1895	95		0.1907	95		75-125	1		20
Copper, Total	0.00074J	0.25	0.2410	96		0.2396	96		75-125	1		20
Lead, Total	ND	0.51	0.5089	100		0.5076	100		75-125	0		20
Zinc, Total	0.01360	0.5	0.4920	96		0.4995	97		75-125	2		20

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

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(*)
L1408453-01A	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-01B	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-01C	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-01D	Plastic 500ml HNO3 preserved	B	<2	4.8	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1408453-01E	Amber 1000ml unpreserved	B	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-01F	Amber 1000ml unpreserved	B	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-02A	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02A1	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02A2	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02B	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02B1	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02B2	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02C	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02C1	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02C2	Vial HCl preserved	B	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1408453-02D	Plastic 500ml HNO3 preserved	B	<2	4.8	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1408453-02D1	Plastic 500ml HNO3 preserved	B	<2	4.8	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1408453-02D2	Plastic 500ml HNO3 preserved	B	<2	4.8	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1408453-02E	Amber 1000ml unpreserved	B	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-02E1	Amber 1000ml unpreserved	B	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-02E2	Amber 1000ml unpreserved	B	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-02F	Amber 1000ml unpreserved	B	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: DANA 01-14.02
Project Number: Not Specified

Lab Number: L1408453
Report Date: 05/05/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1408453-02F1	Amber 1000ml unpreserved	B	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-02F2	Amber 1000ml unpreserved	B	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-03A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-03B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-03C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-03D	Plastic 500ml HNO3 preserved	A	<2	2.9	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1408453-03E	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-03F	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-04A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-04B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-04C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-04D	Plastic 500ml HNO3 preserved	A	<2	2.9	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1408453-04E	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-04F	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-05A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-05B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-05C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1408453-05D	Plastic 500ml HNO3 preserved	A	<2	2.9	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1408453-05E	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	NYTCL-8082-1200ML(7)
L1408453-05F	Amber 1000ml unpreserved	A	7	2.9	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name:	DANA 01-14.02	**Lab Number:**	L1408453
Project Number:	Not Specified	**Report Date:**	05/05/14

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.

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

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	DANA 01-14.02	**Lab Number:**	L1408453
Project Number:	Not Specified	**Report Date:**	05/05/14

Data Qualifiers

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:	DANA 01-14.02	**Lab Number:**	L1408453
Project Number:	Not Specified	**Report Date:**	05/05/14

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 April 15, 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 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
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

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: 508-822-9288

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: 4/22/14

ALPHA Job #: L1409453

Client Information

Client: Synapse Risk Management, LLC
Address: 360 Erie Blvd. East
Syracuse, NY 13210
Phone: (315)-475-3100
Fax: (315)-475-3790
Email: rcreighton@synapsellc.com

Project Information

Project Name: DANA 01-14.02
Project Location: 2200 Bleecker St. Utica, NY
Project #
(Use Project name as Project #) [X]
Project Manager: Roger Creighton
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date: 5/6/14
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

[X] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[X] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[X] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [X] NY
[ ] Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs * (TCE, CIS, Trans DCE, VC)	PCB (1254, 1260)	Total Metals **					Sample Specific Comments
01	MW-14A	4/22/14	12:00	GW	RC	3	2	1					* TCE, CIS, Trans DCE, VC)
02	MW-13A /MS/MSD	4/22/14	13:00	GW	RC	9	6	3					** Cu, Cr, Pb, Zn
03	MW-6R	4/22/14	14:10	GW	RC	3	2	1					
04	MW-18	4/22/14	15:00	GW	RC	3	2	1					
05	042214 Dup.	4/22/14		GW	RC	3	2	1					

Container Type: V A P
Preservative: B A C

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

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
	4/22/14 15:53	APU	4/22/14 1553
	4/22/14 2235	AAL	4/22/14 2235
	4/23/14 0110	Richard Scott	4/23/14 0110

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:	L1425739
Client:	Synapse Risk Management, LLC 360 Erie Blvd. East Syracuse, NY 13202
ATTN:	Roger Creighton
Phone:	(315) 475-3700
Project Name:	UHC SEMI-ANNUAL GROUNDWATER
Project Number:	DANA 01.14.02
Report Date:	11/07/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: UHC SEMI-ANNUAL GROUNDWATER
Project Number: DANA 01.14.02

Lab Number: L1425739
Report Date: 11/07/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1425739-01	MW-14A	WATER	2220 BLEEKER ST., UTICA, NY	10/28/14 11:35	10/28/14
L1425739-02	MW-13A	WATER	2220 BLEEKER ST., UTICA, NY	10/28/14 12:30	10/28/14
L1425739-03	MW-6R	WATER	2220 BLEEKER ST., UTICA, NY	10/28/14 13:20	10/28/14
L1425739-04	MW-18	WATER	2220 BLEEKER ST., UTICA, NY	10/28/14 14:30	10/28/14
L1425739-05	DUP	WATER	2220 BLEEKER ST., UTICA, NY	10/28/14 00:00	10/28/14

Project Name:	UHC SEMI-ANNUAL GROUNDWATER	**Lab Number:**	L1425739
Project Number:	DANA 01.14.02	**Report Date:**	11/07/14

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:	UHC SEMI-ANNUAL GROUNDWATER	**Lab Number:**	L1425739
Project Number:	DANA 01.14.02	**Report Date:**	11/07/14

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.

Volatile Organics

The WG737544-4/-5 MS/MSD recoveries, performed on L1425739-03, are above the acceptance criteria for trans-1,2-dichloroethene (136%/143%), trichloroethene (140%/146%), and cis-1,2-dichloroethene (138%/146%); however, the associated LCS/LCSD recoveries are within overall method allowances.

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: 11/07/14

ORGANICS

VOLATILES

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-01
Client ID: MW-14A
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/04/14 17:15
Analyst: PD

Date Collected: 10/28/14 11:35
Date Received: 10/28/14
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	0.33	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	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	103		70-130

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID:	L1425739-02	Date Collected:	10/28/14 12:30
Client ID:	MW-13A	Date Received:	10/28/14
Sample Location:	2220 BLEEKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	11/04/14 17:43		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	ND		ug/l	1.0	0.33	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	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-03
Client ID: MW-6R
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/04/14 18:11
Analyst: PD

Date Collected: 10/28/14 13:20
Date Received: 10/28/14
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	0.33	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	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	102		70-130

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-04
Client ID: MW-18
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/04/14 18:40
Analyst: PD

Date Collected: 10/28/14 14:30
Date Received: 10/28/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	20		ug/l	1.0	0.33	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	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	103		70-130

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-05
Client ID: DUP
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/04/14 19:08
Analyst: PD

Date Collected: 10/28/14 00:00
Date Received: 10/28/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	18		ug/l	1.0	0.33	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	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	103		70-130

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/04/14 10:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG737544-3					
Vinyl chloride	ND		ug/l	1.0	0.33
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	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: UHC SEMI-ANNUAL GROUNDWATER

Project Number: DANA 01.14.02

Lab Number: L1425739

Report Date: 11/07/14

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: WG737544-1 WG737544-2								
Vinyl chloride	113		111		55-140	2		20
trans-1,2-Dichloroethene	110		107		70-130	3		20
Trichloroethene	108		108		70-130	0		20
cis-1,2-Dichloroethene	109		110		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	101		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: UHC SEMI-ANNUAL GROUNDWATER
Project Number: DANA 01.14.02

Lab Number: L1425739
Report Date: 11/07/14

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: WG737544-4 WG737544-5 QC Sample: L1425739-03 Client ID: MW-6R												
Vinyl chloride	ND	10	11	112		12	119		55-140	9		20
trans-1,2-Dichloroethene	ND	10	14	**136**	Q	14	**143**	Q	70-130	0		20
Trichloroethene	ND	10	14	**140**	Q	15	**146**	Q	70-130	7		20
cis-1,2-Dichloroethene	ND	10	14	**138**	Q	14	**146**	Q	70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	103		102		70-130
Toluene-d8	98		99		70-130

PCBS

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID:	L1425739-01	Date Collected:	10/28/14 11:35
Client ID:	MW-14A	Date Received:	10/28/14
Sample Location:	2220 BLEEKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/14 15:36
Analytical Date:	11/04/14 06:18	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/03/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/03/14

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	77		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID:	L1425739-02	Date Collected:	10/28/14 12:30
Client ID:	MW-13A	Date Received:	10/28/14
Sample Location:	2220 BLEEKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/14 15:36
Analytical Date:	11/04/14 06:31	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/03/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/03/14

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	77		30-150	B
Decachlorobiphenyl	83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	77		30-150	A

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID:	L1425739-03	Date Collected:	10/28/14 13:20
Client ID:	MW-6R	Date Received:	10/28/14
Sample Location:	2220 BLEEKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/14 15:36
Analytical Date:	11/04/14 07:12	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/03/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/03/14

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	76		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID:	L1425739-04	Date Collected:	10/28/14 14:30
Client ID:	MW-18	Date Received:	10/28/14
Sample Location:	2220 BLEEKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/14 15:36
Analytical Date:	11/04/14 06:45	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/03/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/03/14

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	77		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	69		30-150	A

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

SAMPLE RESULTS

Lab ID:	L1425739-05	Date Collected:	10/28/14 00:00
Client ID:	DUP	Date Received:	10/28/14
Sample Location:	2220 BLEEKER ST., UTICA, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/14 15:36
Analytical Date:	11/04/14 06:59	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/03/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/03/14

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	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: UHC SEMI-ANNUAL GROUNDWATER

Project Number: DANA 01.14.02

Lab Number: L1425739

Report Date: 11/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/04/14 07:54
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 11/01/14 15:36
Cleanup Method: EPA 3665A
Cleanup Date: 11/03/14
Cleanup Method: EPA 3660B
Cleanup Date: 11/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG736703-1						
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	75		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	61		30-150	A

Matrix Spike Analysis

Batch Quality Control

Project Name: UHC SEMI-ANNUAL GROUNDWATER

Project Number: DANA 01.14.02

Lab Number: L1425739

Report Date: 11/07/14

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: WG736703-4 WG736703-5 QC Sample: L1425739-03 Client ID: MW-6R													
Aroclor 1016	ND	2.6	2.32	75		2.28	74		40-140	2		50	A
Aroclor 1260	ND	2.6	2.02	78		2.06	79		40-140	2		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		74		30-150	B
Decachlorobiphenyl	70		73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	A
Decachlorobiphenyl	64		66		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: UHC SEMI-ANNUAL GROUNDWATER

Project Number: DANA 01.14.02

Lab Number: L1425739

Report Date: 11/07/14

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: WG736703-2 WG736703-3									
Aroclor 1016	91		87		40-140	4		50	A
Aroclor 1260	80		83		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		72		30-150	B
Decachlorobiphenyl	85		79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		74		30-150	A
Decachlorobiphenyl	84		84		30-150	A

METALS

Project Name: UHC SEMI-ANNUAL GROUNDWATER
Lab Number: L1425739
Project Number: DANA 01.14.02
Report Date: 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-01
Client ID: MW-14A
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/28/14 11:35
Date Received: 10/28/14
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	0.0016		mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 19:35	EPA 3005A	1,6020A	BM
Copper, Total	0.0043		mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 19:35	EPA 3005A	1,6020A	BM
Lead, Total	0.0008	J	mg/l	0.0010	0.0001	1	11/05/14 07:43	11/05/14 19:35	EPA 3005A	1,6020A	BM
Zinc, Total	0.0144		mg/l	0.0100	0.0026	1	11/05/14 07:43	11/05/14 19:35	EPA 3005A	1,6020A	BM

Project Name: UHC SEMI-ANNUAL GROUNDWATER
Lab Number: L1425739
Project Number: DANA 01.14.02
Report Date: 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-02
Client ID: MW-13A
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/28/14 12:30
Date Received: 10/28/14
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	0.0007	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 19:39	EPA 3005A	1,6020A	BM
Copper, Total	0.0003	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 19:39	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	11/05/14 07:43	11/05/14 19:39	EPA 3005A	1,6020A	BM
Zinc, Total	0.0039	J	mg/l	0.0100	0.0026	1	11/05/14 07:43	11/05/14 19:39	EPA 3005A	1,6020A	BM

Project Name: UHC SEMI-ANNUAL GROUNDWATER
Lab Number: L1425739
Project Number: DANA 01.14.02
Report Date: 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-03
Client ID: MW-6R
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/28/14 13:20
Date Received: 10/28/14
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	0.0009	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 18:51	EPA 3005A	1,6020A	BM
Copper, Total	0.0005	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 18:51	EPA 3005A	1,6020A	BM
Lead, Total	0.0002	J	mg/l	0.0010	0.0001	1	11/05/14 07:43	11/05/14 18:51	EPA 3005A	1,6020A	BM
Zinc, Total	0.0036	J	mg/l	0.0100	0.0026	1	11/05/14 07:43	11/05/14 18:51	EPA 3005A	1,6020A	BM

Project Name: UHC SEMI-ANNUAL GROUNDWATER
Lab Number: L1425739
Project Number: DANA 01.14.02
Report Date: 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-04
Client ID: MW-18
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/28/14 14:30
Date Received: 10/28/14
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	0.0007	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 19:42	EPA 3005A	1,6020A	BM
Copper, Total	0.0009	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 19:42	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	11/05/14 07:43	11/05/14 19:42	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	11/05/14 07:43	11/05/14 19:42	EPA 3005A	1,6020A	BM

Project Name: UHC SEMI-ANNUAL GROUNDWATER
Lab Number: L1425739
Project Number: DANA 01.14.02
Report Date: 11/07/14

SAMPLE RESULTS

Lab ID: L1425739-05
Client ID: DUP
Sample Location: 2220 BLEEKER ST., UTICA, NY
Matrix: Water

Date Collected: 10/28/14 00:00
Date Received: 10/28/14
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	0.0006	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 19:45	EPA 3005A	1,6020A	BM
Copper, Total	0.0006	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 19:45	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	11/05/14 07:43	11/05/14 19:45	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	11/05/14 07:43	11/05/14 19:45	EPA 3005A	1,6020A	BM

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

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: WG737462-1										
Chromium, Total	0.0005	J	mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 18:44	1,6020A	BM
Copper, Total	ND		mg/l	0.0010	0.0003	1	11/05/14 07:43	11/05/14 18:44	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	11/05/14 07:43	11/05/14 18:44	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	11/05/14 07:43	11/05/14 18:44	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: UHC SEMI-ANNUAL GROUNDWATER

Project Number: DANA 01.14.02

Lab Number: L1425739

Report Date: 11/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG737462-2								
Chromium, Total	93		-		80-120	-		
Copper, Total	95		-		80-120	-		
Lead, Total	89		-		80-120	-		
Zinc, Total	95		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: UHC SEMI-ANNUAL GROUNDWATER
Project Number: DANA 01.14.02

Lab Number: L1425739
Report Date: 11/07/14

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: WG737462-3 WG737462-4 QC Sample: L1425739-03 Client ID: MW-6R												
Chromium, Total	0.0009J	0.2	0.1956	98		0.1969	98		75-125	1		20
Copper, Total	0.0005J	0.25	0.2365	95		0.2311	92		75-125	2		20
Lead, Total	0.0002J	0.51	0.4626	91		0.4826	95		75-125	4		20
Zinc, Total	0.0036J	0.5	0.5077	102		0.4762	95		75-125	6		20

Project Name: UHC SEMI-ANNUAL GROUNDWATER **Lab Number:** L1425739

Project Number: DANA 01.14.02 **Report Date:** 11/07/14

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(*)
L1425739-01A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-01B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-01C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-01D	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1425739-01E	Amber 1000ml unpreserved	B	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-01F	Amber 1000ml unpreserved	B	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-02A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-02B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-02C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-02D	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1425739-02E	Amber 1000ml unpreserved	B	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-02F	Amber 1000ml unpreserved	B	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-03A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03A1	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03A2	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03B1	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03B2	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03C1	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03C2	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-03D	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: UHC SEMI-ANNUAL GROUNDWATER
Project Number: DANA 01.14.02

Lab Number: L1425739
Report Date: 11/07/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1425739-03D1	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1425739-03D2	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1425739-03E	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-03E1	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-03E2	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-03F	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-03F1	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-03F2	Amber 1000ml unpreserved	A	7	4.5	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-04A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-04B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-04C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-04D	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1425739-04E	Amber 1000ml unpreserved	B	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-04F	Amber 1000ml unpreserved	B	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-05A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-05B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-05C	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1425739-05D	Plastic 250ml HNO3 preserved	A	<2	4.5	Y	Absent	CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180)
L1425739-05E	Amber 1000ml unpreserved	B	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)
L1425739-05F	Amber 1000ml unpreserved	B	7	4.4	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name:	UHC SEMI-ANNUAL GROUNDWATER	**Lab Number:**	L1425739
Project Number:	DANA 01.14.02	**Report Date:**	11/07/14

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.

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.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	UHC SEMI-ANNUAL GROUNDWATER	**Lab Number:**	L1425739
Project Number:	DANA 01.14.02	**Report Date:**	11/07/14

Data Qualifiers

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:	UHC SEMI-ANNUAL GROUNDWATER	**Lab Number:**	L1425739
Project Number:	DANA 01.14.02	**Report Date:**	11/07/14

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 April 15, 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 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
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: 10/29/14

ALPHA Job #: L1428739

Client Information

Client: Synapse Risk Management
Address: 360 Erie Blvd. E.
Syracuse, NY 13210
Phone: (315) - 475 - 3700
Fax: (315) - 475 - 3780
Email: rcreighton@synapsellc.com

Project Information

Project Name: UHC Semi-Annual Groundwater Sampling
Project Location: 2200 Bleecker St., Utica, NY
Project # DANA 01.14.02
(Use Project name as Project #) ☐
Project Manager: Roger Creighton
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date: 11/11/14
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	VOCs (TCE, CIS, Trans VC)	Metals (Cu, Cr, Pb, Zn)	PCB (1254, 1260)	Total Bottle	Sample Specific Comments
2562391-01	MW-14A	10/28/14	11:35	GW	RC	3	1	2		
02	MW-13A	10/28/14	12:30	GW	RC	3	1	2		
03	MW-6R / MS / MSD	10/28/14	13:20	GW	RC	9	3	6		
04	MW-18	10/28/14	14:30	GW	RC	3	1	2		
05	Dup.	10/28/14		GW	RC	3	1	2		

Container Type: V P A
Preservative: B C A

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
	10/28/14 15:32		10/28/14 15:32
	10/28/14 2230		10/28/14 2230
	10/29/14 0115		10/29/14 0115

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 G
DMR'S AND GROUNDWATER TREATMENT SYSTEM INSPECTION LOGS

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: CLOUGH HARBOUR ASSOC, LLP
ADDRESS: 441 SOUTH SALINA STREET
SYRACUSE, NY 132024712
FACILITY: CHICAGO PNEUMATIC TOOL CO.
LOCATION: 2200 BLEECKER ST
UTICA, NY 13501
ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	01/01/2014	TO	01/31/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	10780	13673	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	7.00	******	7.40	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000431	< 0.000547	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000431	< 0.000547	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	0.000414	0.001313	(26)	******	4.8	12	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	0.000419	0.001094	(26)	******	4.9	10	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Christopher K. Mullin P.E.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		(315) 471-3920		02/13/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
There was a violation (excursion) recorded 1/3/14 and written notification was sent NYSDEC on 01/16/14

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: CLOUGH HARBOUR ASSOC, LLP
ADDRESS: 441 SOUTH SALINA STREET
SYRACUSE, NY 132024712
FACILITY: CHICAGO PNEUMATIC TOOL CO.
LOCATION: 2200 BLEECKER ST
UTICA, NY 13501
ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	02/01/2014	TO	02/28/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	7040	9566	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.88	******	7.26	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000282	< 0.000383	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000282	< 0.000383	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	0.000060	0.000153	(26)	******	1.1	2	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	0.000131	0.000383	(26)	******	2.3	5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Christopher K. Mullin P.E.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(315) 471-3920		03/17/2014
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: CLOUGH HARBOUR ASSOC, LLP
ADDRESS: 441 SOUTH SALINA STREET
SYRACUSE, NY 132024712
FACILITY: CHICAGO PNEUMATIC TOOL CO.
LOCATION: 2200 BLEECKER ST
UTICA, NY 13501

ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	03/01/2014	TO	03/31/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	9036	12893	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.7	******	7.37	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000361	< 0.000516	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000361	< 0.000516	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	0.000377	0.000629	(26)	******	5.22	6.1	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	0.000360	0.000712	(26)	******	4.98	6.9	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Christopher K. Mullin P.E.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		(315) 471-3920		04/16/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

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NAME: CLOUGH HARBOUR ASSOC, LLP
ADDRESS: 441 SOUTH SALINA STREET
SYRACUSE, NY 132024712
FACILITY: CHICAGO PNEUMATIC TOOL CO.
LOCATION: 2200 BLEECKER ST
UTICA, NY 13501
ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	04/01/2014	TO	04/30/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	8619	17703	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RGORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.85	******	7.17	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000345	< 0.000708	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000345	< 0.000708	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	0.000177	0.000708	(26)	******	2.56	5	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	0.000305	0.000708	(26)	******	4.4	5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Christopher K. Mullin P.E.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		(315) 471-3920		05/22/2014
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: CLOUGH HARBOUR ASSOC, LLP
ADDRESS: 441 SOUTH SALINA STREET
SYRACUSE, NY 132024712
FACILITY: CHICAGO PNEUMATIC TOOL CO.
LOCATION: 2200 BLEECKER ST
UTICA, NY 13501

ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	05/01/2014	TO	05/31/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	4690	8479	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.8	******	7.02	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000188	< 0.000339	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000188	< 0.000339	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	0.000328	0.001357	(26)	******	8.8	20	(28)	1	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	0.000223	0.000882	(26)	******	5.9	13	(28)	1	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Christopher K. Mullin P.E.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(315) 471-3920		06/23/2014
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) There was an exceedance in the effluent sample collected 05/14/14. Written notification was made 5/27/14 following a verbal notification immediately upon receipt of the laboratory results.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: CLOUGH HARBOUR ASSOC, LLP
ADDRESS: 441 SOUTH SALINA STREET
SYRACUSE, NY 132024712
FACILITY: CHICAGO PNEUMATIC TOOL CO.
LOCATION: 2200 BLEECKER ST
UTICA, NY 13501

ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	06/01/2014	TO	06/30/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	7642	11326	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.8	******	7.02	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000306	< 0.000453	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000306	< 0.000453	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	< 0.000306	< 0.000453	(26)	******	< 5	< 5	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000306	< 0.000453	(26)	******	<5	< 5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

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SYRACUSE, NY 132024712

FACILITY: CHICAGO PNEUMATIC TOOL CO.
LOCATION: 2200 BLEECKER ST
UTICA, NY 13501

ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	07/01/2014	TO	07/31/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	7422	9230	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.58	******	6.72	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000297	< 0.000369	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000297	< 0.000369	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	< 0.000297	< 0.000369	(26)	******	< 5	< 5	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000297	< 0.000369	(26)	******	<5	< 5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
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TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

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LOCATION: 2200 BLEECKER ST
UTICA, NY 13501
ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	08/01/2014	TO	08/31/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	9095	12839	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.68	******	7.2	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000364	< 0.000514	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000364	< 0.000514	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	< 0.000364	< 0.000514	(26)	******	< 5	< 5	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000364	< 0.000514	(26)	******	<5	< 5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

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TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: CLOUGH HARBOUR ASSOC, LLP
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LOCATION: 2200 BLEECKER ST
UTICA, NY 13501
ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	MM/DD/YYYY		MM/DD/YYYY
FROM	09/01/2014	TO	09/30/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	7496	10327	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.9	******	7.24	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000300	< 0.000413	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000300	< 0.000413	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	< 0.000300	< 0.000413	(26)	******	< 5	< 5	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000300	< 0.000413	(26)	******	<5	< 5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME: CLOUGH HARBOUR ASSOC, LLP
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UTICA, NY 13501

ATTN: Christopher Mullin

NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	10/01/2014	TO	10/31/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	7683	14069	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.74	******	7.25	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000307	< 0.000563	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000307	< 0.000563	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	< 0.000307	< 0.000563	(26)	******	< 5	< 5	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000307	< 0.000563	(26)	******	<5	< 5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	11/01/2014	TO	11/30/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	8598	9727	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.66	******	7.86	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000344	< 0.000389	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000344	< 0.000389	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	< 0.000344	< 0.000389	(26)	******	< 5	< 5	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000344	< 0.000389	(26)	******	<5	< 5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NY0108537	03AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	12/01/2014	TO	12/31/2014

DMR Mailing ZIP CODE: 132024712
MINOR
(SUBR 06)
CLAY PIPE GROUNDWATER
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	13513	18853	(07)	******	******	******	******	0	99/99	r.c.
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	gal/d	******	******	******	******		Continuous	RCORDR
pH	SAMPLE MEASUREMENT	******	******	******	6.71	******	7.42	(12)	0	1/7	gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	< 0.000541	< 0.000754	(26)	******	<5	<5	(28)	0	1/7	gr
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d < 5	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Vinyl chloride	SAMPLE MEASUREMENT	< 0.000541	< 0.000754	(26)	******	< 5	< 5	(28)	0	1/7	gr
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
Trichloroethylene	SAMPLE MEASUREMENT	< 0.000541	< 0.000754	(26)	******	< 5	< 5	(28)	0	1/7	gr
39180 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	0.000422	< 0.000754	(26)	******	3.9	< 5	(28)	0	1/7	gr
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	Req. Mon. DAILY MX	lb/d	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Christopher K. Mullin P.E.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(315) 471-3920		01/21/2015
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

1/3/14

int. temp: 50°F

Onsite for weekly, monthly sampling @ 1115

System ok, no alarms

Sample mlt-1 @ 1125
pH: 6.50

Sample mlt-2 @ 1135
pH: 6.86
- sample had amber/orange tint
mlt-2

change P1, P2 filters

Sample effluent @ 1155
pH: 7.05

noted that A/S was leaking air out the end gasket → ~~new~~ (sump end)

mlt-1: 07797728
mlt-2: 03073448
FS: 03940
Eff: 215 75530
BFm: 0730390

CMA off site @ 1210

R Merlek

1/7/14

On site @ 1600 for weekly samples → 7°F outside
No alarms

Changed P1

Sampled Effluent @ 1610
pH: 7.40

Sampled MH2 @ 1615

MH1 7813085
MH2 3073448
Sump 3940
Effluent 21615615
BFM 734890

Offsite @ 430PM

A Hilbert

1/15/2014

On site @ 0815 for weekly samples and Jib crane foundation oversight.

No alarms, outside temp 36°F
inside temp 49°F

Changed P1 + P2

Sampled effluent @ 830AM
pH 7.08

Sampled MH2 @ 837AM

MH1 07854322
MH2 3073448
Sump 3940
Effluent 21711899
BFM 745700

Steve Cronk and Clark Sutherland and Mike Noble on site @ 900 to install foundation for jib crane

1/15/2014 Continued

Called Meghan Platt and Chris Mullin @ 910 AM to discuss location - flush with berm as close to wall as possible while still allowing crane to reach the center of air stripper tower

Called Chris Mullin @ 1030AM to discuss possibility of utilizing berm as part of concrete pad due to size ~~of~~ and space restrictions. Suggested cutting instead. Another issue arose with spec vs field limitations, CHA to talk w/ Paragon and design engineer before proceeding. work on site restricted until receive final word on new decision/option @ 1100 AM

At 1215 Paragon received a call from their boss calling the project for the day

1/15/2014 cont

and were instructed to pack up everything from site.

All offsite @ 1230

A. Sitler

1/20/14

On site @ 0700 with Steve Cook and Mike Nobe from Paragon Environmental for jib crane pad installation and weekly sampling

Begin scarifying @ 0715

No alarms; inside temp @ 56°F

Changed P1

Sampled MH2 @ 0730

Sampled Effluent @ 0725

pH 7.09

1/20/14 cont.

MH1 7883503
MH2 3073448
Sump 3940
Effluent 21780266
BFM 753370

Placed epoxy and drilled holes, placed rebar
Clemente Tiano Concrete on
site @ 1400 - offsite 1505

Cleanup process begin @ 1530
including continuing to
settle and form pad.
Finished concrete ramp/stair
outside

offsite @
1630

1/30/2014

On site @ 1300 for weekly
sampling.
No alarms
inside temp @ 58°F

Charged P1 + P2

Sampled MH2 @ 1340

Sampled Effluent @ 1335
pH 7.00

MH1 7914587
MH2 3073448
Sump 3940
Effluent 21865362
BFM 762900

offsite @ 1345

2/6/14

On site for monthly samples @ 1505

no alarms, inside temp @ 58°F

Changed P1

Sampled MH1 @ 1530
pH 7.03

Sampled MH2 @ 1536
pH 6.85

Sampled Effluent @ 1542
pH 6.88

MH1	7930230
MH2	3073448
Sump	3940
Effluent	21911699
BFM	768090

Some air is leaking from from between the trays

offsite @ 1350

L. Miller

2/13/14

On site @ 1300 for weekly sampling w/ Greg - CHA

Outside weather snowy

inside temp 50°F

no alarms

Changed P1 + P2

Sampled MH2 @ 1330

Sampled Effluent @ 1335
pH 7.26

MH1	7944062
MH2	3073448
Sump	3940
Effluent	21953896
BFM	772820

Ran system to calculate flow
1 min 30 sec.
BFM_1 772820 BFM_2 772850
$Effluent_1$ 21953896
$Effluent_2$ 21954159

2/13/14 cont.

EQ tank 1 1350
EQ tank 2 1300

Took pictures of operations for O&M manual
Set off EQ low alarm
Pumped MH1 + MH2 to reset EQ low alarm off

off site @ 1400

D Hutter

2/19/14
On site @ 1221 for weekly sampling. No alarms
outside weather - overcast 34°F
inside temp 58°F

Changed P1

Sampled Effluent @ 1235pm
pH: 7.08

Sampled MH2 @ 1240pm

Air Pressure @ 13 psi.

MH1 7954755
MH2 3073448
Effluent 21985951
Sump 3940
BFM 776440

offsite @ 1255pm

D Hutter

2/27/14

On site @ 1330 for weekly samples

outside weather: overcast, snowy, 23°F

inside temp: 52°F

no alarms

Changed P1 + P2

Air Stripper pressure @ ~~134~~ 9psi

Sampled MH2 @ 1345

Sampled Effluent @ 1350

pH 7.09

MH1 7983535
MH2 3073448
Sump 3940
Effluent 22062476
BFM 785110

Installed/plugged in GFCI for sump pump outlet

offsite 1400

D. Gilbert

3/4/14

20+ / sunny

interior temp 45°

On site @ 730 for JIb crane install + monthly sampling

MH-1 in high alarm, MH-1 in auto mode but not pumping. Manually turned on MH-1 pump

- MH-1 alarm will not clear pump not on. - could be frost/freeze related - will monitor

PEL on site to discuss site maintenance issues and install crane

Fred - Beaton 315 269 2812

Need Eaton to move conduit above crane location.

Sample MH-2 @ 1330

pH: 6.63

Sample MH-1 @ 1345

pH: 6.73

Change #1 filter

Sample effluent @ 1400

pH: 7.00

MH 1 7991626 BFM 788330
MH-2 3073448
EFF 22091002
RS 3940

off site @ 1430

D. Gilbert

3/6/14 0° F sunny Int temp 58°F on site @ 0745

CHA on site for electrical modification and crane base install (Donnie)

Engler Electric on site to move electrical conduit between bus duct and transformer.

MH-1 high alarm on.

Engler turned off power and raised the conduit. When power restored MH-1 high alarm did not come back on.

Beaton Industrial on site @ 1300 to install jib crane base/mast. Still having horizontal clearance issues w/ transformer near top of AS. CHA places calls to: Emuller and Mike Nielson (PEC)

Jib Crane anchor bolts need to cure for 24+ hours.

CHA off site @ 1420 Katryn Mondt

3/12/14 Outside: 35°; Rain & Snow Inside: 62°F

CHA on site @ 0755 to meet PEC and Engler to perform site maintenance as well as perform weekly sampling

System OK, no alarms. System turned off to allow maintenance work.

- potable water line to be relocated
- transformer to be raised (Eddie)
- Paragon raises water line (no cutting) off site ~ 1030 AM
- Engler works on raising transformer (2 guys) (Donnie, Sean)
- CHA changes P1, P2
- CHA applied labels to effluent, MH-1, MH-2 sample points
- Jim from Engler stopped out to check in on things
- transformer clearance 12'2" from pad
- CHA turned heaters back down to normal levels

System back on @ 1335

MH-1 high alarm (manually pump MH-1)

- manually pump sump → drained potable water into sump earlier.

03/17/14 cont.

Sampled ~~MH-~~ MH-2 @ 1345

Sampled effluent @

Engler cut down scrap steel by bay of crane

Air Stripper gauge reads ~~12-14~~ 27-32 in H2O

Sample effluent @ 1400
pH: 7.37

MH-1 high alarm cleared.

MH-1: 3017732
MH-2: 3073448 (no change)
BFM: 794920
FS: 3940
Effluent: 22149286

CHA and Engler off site @ 1425

Kathryn Merrick

03/20/14

Interior temp: 62°F

- CHA on site @1318 to wait for Beaton to finish crane install
- Beaton on site @ 1430 (change from planned 1300)
- off site @ 1515
No alarms, system OK
- changed PT filter

Sampled MH-2 @ 1530

Sampled ~~@~~ Effluent @ 1545
pH: 6.70

BFM 803880
MH-1 3052457
MH-2 no change 3073448
FS 3940
Effluent 22228574

CHA off site @ 1355

Kathryn Merrick

3/25/2014

On site @ 1300 for weekly sampling and air stripper cleaning
inside temp 62°F
Outside weather Sunny ~34°F
Air Pressure @30 psi
One alarm- MH1 high
turned on MH1 manually
Charged P1 + P2

Sampled MH2 @ 1326

Sampled Effluent @ 1328
pH 6.90

MH1 8053774
MH2 3073448
Sump 3940
Effluent 22257222
BFM 807130

K. Merrick, C. Mullin from CHA, Fred from Beaton, Bruce and Peter M. from Paragon also on

3/25/14 cont.

site.
Pumped EQ tank down to low alarm because of upcoming power washing.

System turned off and procontrol removed for update @ 1357

Removed all trays to dry and return tomorrow.

off site @ 1515

D. Gilles

3/26/2014

On site @ 0800 w/ Paragon for air stripper cleaning

Dave and Peter M., Bruce and ~~Steve~~ Eddie from PEC

- Removed foam from tray tops
- Placed poly along wall to protect electric
- 315-525-8236 Chris Holovitch with Soggs Realty
- Using 1/8" drill bit - moved up to 5/32" bit b/c noticed sm. ring w/ 1/8" was left
- Beaton on site @ 1225 to cut excess screws and ~~p~~ install the stop. on the crane offsite @ 1300

offsite @ 1500

D. Miller

3/27/2014

On site with Peter M, Bruce and ~~Steve~~ Eddie from PEC at 8am to continue air stripper maintenance.

Placed new foam for sealing between new trays using spray glue adhesive on all trays

Couldn't get the Effluent pipe apart to check for build up due to it being glued together. Removed brass fitting on top and effluent port from bottom to look for scale or build up. Little/minimal found. Put back together.

Checked air intake - screen was clean of debris

Took out concrete curb but found rebar - stopped. Will continue Monday

offsite 1400 D. Miller

3/28/14

Rainy 40°F 62°F inside @ 1420

CHA on site to reinstall pro control box

pro control and new modem installed

System back up @ 1505

Turned on MH-1 manually as MH-1 and MH-2 EHA were on

A/S and eff pumps turned on water leaving out of influent pipes to top of A/S

A/S and eff pumps turned off CHA will assess on Monday.

MH-1 / MH-2 EHA are off on

CHA off site @ 1540

K Merck

3/31/14

On site @ 800 - overcast + mid 30's inside temp 60°F

3 alarms - MH1 + MH2 high, Sump high

PEC on site @ 0800 for EQ tank + bldg clean. tightened inlet valves to air stripper, ran the system - no alarms

Turned on air stripper and EQ tank manually to drain for cleaning

Chris Mullin onsite @ 0900 to discuss planned work and see what has been completed so far. offsite @ 1000

Changed P1 + P2 @ 0930

Pumped EQ tank completely for cleaning - low alarm never turned on - may be fixed during float changeout.

3/31/14 cont.

Tried to remove floats from EQ tank but were unsuccessful. - can't pull up b/c the post/tree and pump don't fit through together, can't angle and drop to the other side b/c the tree is too long and can't get enough of an angle (still 3" above tank)
Called C. Mullin @ 1140 - told to put back together and will discuss further procedures another day, continue with floor cleaning.

Washed the floor inside the berm and scraped all excess/old caulk from the wooden section. Cleaned out the sump

System turned on auto.

offsite @ 1445

A. Gilbert

4/1/14 Sunny ~30°F inside 56°F
On site @ 750 w/ PEC to seal/paint/caulk floor.
Air stripper exhaust leaking water
Tank water level @ 2100 gallons but no alarms
Called K. Merrick - procontrol had switched to manual mode
- fixed by turning to automatic
- MH1 + MH2 high alarms on
- Pumped MH1 & reset
- alarms off
PEC used pneumatic hammer to chip away remaining concrete curb.
Caulked curb (on the inside) along the entire perimeter of secondary containment

Opened air stripper effluent to look for any scale build up - minimal found
Painted floor and finished ramp

offsite 1415

A. Gilbert

4/2/2014
On site for monthly sampling
Weather: sunny low 50s
inside temp 64°F
2 alarms - MH1 + MH2 high
Ran both
Changed P1 + P2
Air stripper @ 15psi
Sampled MH2 @ 1336
pH 6.64

Sampled Effluent @ ~~1403~~
pH ~~6.98~~ 7.17

Sampled MH1 @ 1340
pH 6.85

MH1 8058094
MH2 3073448
Sump 3940
Effluent 22265270
BFM 808050

Offsite @ 1445

4/3/14
On site @ 1420 because of alarms received through Pro Control
Sunny high 40s
temp inside @ 72 - turned heaters down low

3 alarms - MH1 + MH2 high, EQ tank high.

high bag filter pressure
changed P1 + P2
EQ tank high alarm off.

offsite @ 1505

4/9/2014

On site @ 1305 for weekly samples

Sunny mid 40s, inside temp @ 58°F

3 alarms, MH1 + MH2 high, sump high

Pumped sump - hit reset

Charged P1 + P2 - due to lots of runoff and melt causing build up

Sampled effluent @ 1325

pH 6.96

Sampled MH2 @ 1340

Randy, second sample brown + murky

MH1 08118017

MH2 3073448

Sump 3940

Effluent 22358486

BFM 819270

Offsite @ 1350

4/15/14

CAA on site 0905 for response to alarms and weekly sampling

MH-1, MH-2, Floor Sump high alarms

CAA manually pumps down the sump to clear alarm. Sump flow meter not reading

~~Change MH bag filter~~ - no bag filter change in place filter was barely used

Note: MH-1 flow rate appears less than nominal (prev avg 55-60 gpm) now 30-35 GPM

- Noted that Eff flow sensor was not working, took out sensor + cleaned - started working

- had trouble w/ back flow to the F/. Sump closed the valve to prevent back flow from MH-2 junction. Will have check valve assessed for integrity

Sample MH-2 @ 1035,

MH1 8119975

MH2 3073448

FS 3940

BFM 819540

Eff. 22360454

Sample Effluent @ 1050

pH: 6.99

Off site 1300

4/17/14

CHA on site @ 0930 for alarm response

MH-1, MH-2, EQ, Bag filter pressure high

Changed P1, P2 filters

MH 2 pump lights blinking (clicking), turned them off while pumping EQ tank down, then problem stopped

Manually pumped MH-1

Monitored the system for a bit. CHA off site @ 1040

L Merrick

4/22/14

On site @ 1400 - Cloudy, rain, 60°F inside temp @ 60°F

4 alarms - MH1 & MH2 high alarm, high floor sump, low EQ tank

Water on floor - Plugged in sump & turned on. MH1 At reset - Sump high and low EQ alarms off

Changed P1

Sampled MH2 @ 225 pm

Sampled Effluent @ 230 pm

pH 6.91

MH1 8189259

MH2 30733448

Sump 3940

Effluent 22484378

BFM 834100

Monitored system - no signs of leaks

Offsite 1445

A Gilbert

4/25/14

CHA onsite @ 1340
Floor sump, MH-1, MH-2, EQ hi alarms

- pumped sump. Source of sump water not conclusively determined, no major water ponded w/in berm

after pumping sump system was turned in and monitored

No visible leaks identified

Turned off heaters for spring/summer

CHA off site @ 1230

4/30/14

CHA onsite @ 0915 for sampling and pro control swap out

- No alarms, system OK
- changed out pro control

Changed P1, P2 filters

watched system → A/S did not switch on before EQ high alarm,
Manually turned on A/S
Sampled MH2 @ 1040
Sampled Eff @ 1045
pH: 6.97

manually pumped sump (some dripping from P1, P2, " backed from under MH-2)

MH-1 8824050
MH-2 NC 3073488
FS 3940
Eff 28567575
BFW 84350

CHA off site 1115

Kathryn Menor

5/8/2014
On site @ 1335 for monthly samples
4 alarms, MH1 + MH2 high
high ~~EQ tank~~ Sump level, low EQ tank
Pumped sump - alarm off
Pumped MH1 + MH2 into EQ,
EQ alarm off
Outside temp @ 70°F Sunny
Inside temp @ 70°F
Water on floor
Changed P1 filter

Sampled MH1 @ 1355
pH 7.14

Sampled MH2 @ 1400
pH 6.93

Sampled Effluent @ 1405
pH 6.80

MH1 8270224
MH2 3073448
Effluent 22635343
Sump 3940
BFM 851180

5/13/2014
On site @ 0800 with PEC
for site work weather overcast 68°F
inside temp 69°F
→ 4 alarms - high EQ tank,
high sump, MH1 + MH2 high
Sump drain full of water
EQ tank filled to the very top

PEC used vac truck to pump water from MH1 prior to confined space entry for replacing MH1 pump

CHA ran air stripper and effluent to pump water from EQ tank (prior to PEC confined space entry)
high EQ + high sump off

PEC is having a hard time getting water out of MH1 ~~Aaa~~, also pumping MH1 with system - continuing to pump
PEC began brush clearing @ 0930 finished @ 1100, still too much water in MH1

5/13/14 Cont.

Continuing pumping MH1

PEC took apart Ball valve for sump pipe and checked for sediment, none found.

No water in sump

Spope with Chris Mullin @ 1130 to discuss issues with MH1.

Will continue trying to pump with vac truck and system once more.

Also discussed abandonment of old float stem to place new in manhole on EQ tank. PEC was concerned with stability and suggested cutting a hole near manhole. CM authorized to cut larger hole in place of current stem rather than new hole.

W PEC to order new float for high alarm and coordinate time to replace.

D

5/13/2014 cont.

Connected new MH1 pump @ 1300; wiring consists of white to orange, red to yellow, black to black, ~~yellow~~ green to green

Put all pieces together and flipped breaker, working MH1 pump 2

Checked sump pump flow meter - had some debris and/or sediment, cleaned out and checked - is now working

Changed P1 + P2

PEC offsite @ 1415

turned system to auto

offsite 1430

A Gellen

5/14/2014

@ 1330

CHA on site for weekly sampling
outside weather: sunny 83°F
inside temp 83°F

2-alarms MH1 + MH2 high

Changed P1

Sampled MH2 @ 1350

Sampled effluent @ 1355
pH 7.02

MH1 8279212
MH2 3073448
Sump 3941
effluent 22671671
BFM 855310

CHA offsite @
1415
D Sutton

Weather: P/S 60°F

5/21/14

CHA on site @ 1130

performed pro control swap out — success
System was in manual mode w/ MH1, MH-2 high alarms

Cleaned gaskets on P2
changed P1, P2

Sampled MH-2 @ 1235
sampled ~~eff~~ eff @ 1245
Change P1 2x P2 1x pH to 6.37 (high pressure)
System running on Auto upon departure. ~~none~~ FS 3941
MH1 - 828177 Eff 22673359
BFM - 855510 MH-2 - No change
off site @ ~~1330~~ 1330

Kaitlyn Merck

5/23/14

CHA on site @ 1315 for alarm response
EQ
BF high pressure, MH-1, MH-2, high
alarms. Changed P1, P2 (3 times)
then let system run

Off site 1445

[signature]

5/27/14 sunny

CHA on site @ 0930 for sampling

MH-1, MH-2, EQ, FS high alarms

Changed P1, P2 bag filters

turned system back to auto

manually pumped sump, flow meter
read for a moment then stopped working
again. Suspect FS water was from
leaking bag filter canisters / not
leaking upon departure 5/23

Sampled MH-2 @ 1045

Sampled Effluent @ 1045
pH: 6.82

change P1

MH-1	8322600	CHA off
MH2	3073448	site @
Eff	22694136	
FS	3942	1115
BFm	861530	

[signature]

5/29/14 Thursday 600

CHA on site @ 0850 for alarm response.

MH-1, MH-2, FS high alarms

Manually pump sump

Change P1, P2 bag filters

Change P1

Change P1, P2

MH-1 high alarm off @ 1035

CHA off site @ 1115

K Merrick

5/30/14

CHA on site @ 1000 for alarms MH-1, MH-2 EHA on

Also Precontrol indicated high bag filter pressure → but alarm not tripped.

Changing filters to keep system OK over the weekend

MH-2 pump lights were blinking even after EQ high alarm came on will call Ecs re: that issue

Changed P1, P2

Noted MH-1, P1 on but no flow when only that pump on

Change P1

off site @ 1130

K Merrick

6/4/14 60 sunny

CHA on site @ 0900 for sampling and meeting w/ NYS DEC

Change P1, P2

DEC visit Richard
all set, he checked about EQ level sensor
I told him it is in the works Also
I explained the flowmeter calibration process

Checked outfall → all good

MH-1 P1, MH2 P4 pumps were on but no flow → making a clicking noise
Calibrate in morn

Sample MH:1 @ 1005
ph: ~~7.30~~ 7.15

Sample MH:2 @ 1015
ph: 6.77

~~Calibrate BFM~~

~~(872400 - 872370) 7.48052~~
~~60 45~~ sec
112

6/4/14 cont (P2)

Sample effluent @ 1030
pH: 6.98

MH-1 83642B5
MH 2 No Change
BFM 872420
Effluent 22784743
PS 3942

CHA off site @ 1150

Karenick

Calibration Calcs

$\frac{2}{\text{flow BFM}} = \frac{(872400 - 872370)\ 7.48052}{1\text{ min }52\text{ sec }(112\text{ sec})}$

$\frac{1.78}{\text{flow EQ}} = \frac{(1500 - 1300)\text{ gal}}{112\text{ sec}}$

$\frac{2.35}{\text{flow Eff}} = \frac{(22784285 - 22784575)\text{ gal}}{112\text{ sec}}$

6/6/2014

CMullins on Site @ 8am

Pannel Statues:

on, MH1 Auto, P2 Auto, P3 Auto, P4 off, GA & B Auto

Blower Auto, Sump Auto

MH1 Hi LA, MH2 Hi LV, Floor Sump Hi

P1 2609 Hz, P2 3824, P3 8621, P4 19786

Sump 3073

~~Slight~~ Drip from Air Stripper EXHAUST AIR

Puddle under filter Steps

EQ @ 1300 gal

1) Sump Pumps, Reset Button INOPERATIVE
2) MH1 Flow SENSOR INSTALLED UPSIDE DOWN
RE INSTALLED W/ ARROWS UP DIRECTION
FLOW RATE DISPLAYED @ 80-90 gpm

BRASS METER 08727 60 cf

STRIPPER AIR PRESSURE 15psi

Filter Pressure 100 gpm - 15 50 gpm - 10

CHANGED P1 100 gpm, Put System on Auto

Left Site 1030am

6/9/14

CMA on site @ 0915 for alarm response and weekly sampling

MH-1, MH-2, EQ high alarms

floor sump high alarm on

- floor sump pump not working, appears to be dead, calls to Mullin -> will contact
- manually bailed water from sump ~~to~~ & poured into EQ stored ~ 40 gall in 55 gal steel drum

Changed P1, P2 filters @ 1145

Sampled MH-2 @ 1130

Sampled Effluent @ 1145

pH: 6.33

MH1 8377054 (26338/38270)

MH2 3073448 (~~3073~~ 86377/198247)

FS 3942 (30731)

(Aff ~~8376~~) 22818098

8376160

off site @ 1200

Kathryn Nowak

6/16/14 ~~Cloudy~~ sunny 68°

CHA on site @ 0830
PEC on site (Eddie) to address sump. Also brought a portable pump for the sump. Also PEC brought 4th EQ float.
MH-1, MH-2 High alarms, FS alarm

Floor sump pump is operational, cleaned out and reconnected
pump specs: Qmax 52 3/4 Hp
60 Hz 6.3A
1 x 115 Volt

used portable pump from PEC to empty drum of sump water into EQ tank

Change PI filter

found a loose wire in Floor Sump outlet box -> PEC reconnected cord
Sump auto operation now works
Turned relay trip sensitivity to between 2 and 3
F/S Auto run feature appears to be working

6/16/14

monitored system seemed to be OK
- PEC off site @ 1115

Sampled MH-2 @ 1120
Effluent @ 1130
pH: 6.88

MH1 8389699
MH2 no change
~~BFM~~ 880160
FS 4230
Eff 82853647

off site @ 1200

KMuck

6/18/14

CHA onsite at 6:15 PM, responding to system alarms. (Danielle Berati)

Alarms: MH-1 High ~~SUMP~~
MH-2 High ~~Sump~~
EQ Tank High ~~Sump~~
(EQ Tank ≈ 2,000 gallons)

MH1 = 8405284 gallons
MH2 = 3073448 gallons
Sump = 4242 gallons
Effluent = 22865425 gallons

6:20 PM change P1 and P2 buy filters

6:45 PM EQ High Alarm off.

P1 @ 15 psi
P2 @ 10 psi

7:10 PM spoke to K. Merrick who will pump down MH-1 and MH-2 remotely

7:30 PM - off site

Danielle Berati

6/25/14

Heavy showers 70°

CHA on site @ 0645 for sampling
MH-1, MH-2, EQ high alarms ON

- manually pumped down EQ tank, then restarted whole system w/a hard reboot
- Changed P1 filter
- monitor system for performance

Sample MH-2 @ 0930
Sample effluent @ 0955 pH: 6.76

MH1 8434497
MH2 No change
FS 4379
BFM 8879.00
Eff 22915757

Change P1, P2 filters

CHA off site @ 1030

K Merrick

7/1/2014 @ 9am
CHA on Site - MH1, MH2, EQH1 & FC Sump Alarms on.
EQ Tank @ Max Capacity
Pumped Down To 800gal (1600gal)
Pumped Sump
Reset Alarms - MH1 & 2 Hi Alarm
System in Auto
CHA off Site 945

7/2/14 CHA on site @ 1245
MH1, MH2, Eq Hi; Plor sump high alarms

Change PI filter

Sample MH-1 @ 1235 pH: 6.72
Sample MH2 @ 1240 pH: 6.51
Sample Effluent @ 1250 pH: 6.58
MH1 8453311 FS 4491
MH2 0307 3448 BFM 893280
Eff 2296366 7
System in Auto, MH-1, MH2 high
CHA off site @ 1310 [illegible]

7/9/14

CHA on site w/ PEC @ 8:00

PEC going to try to replace floats

- MH-1 MH-2 EQ high alarms on
- Change P1 P2 filters

* While changing filters (EQ high on) manhole pumps came on causing EQ tank overflow. Noted that effluent pumps were not kicking on automatically

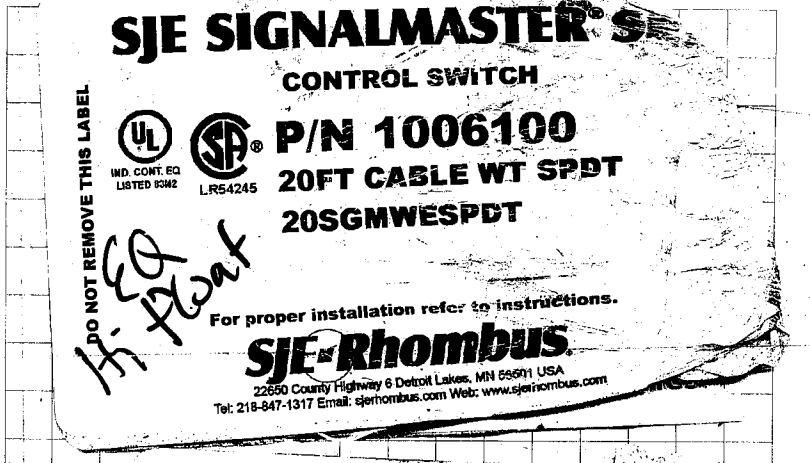
PEC removes float stick / changes out floats by pulling through while removing old floats

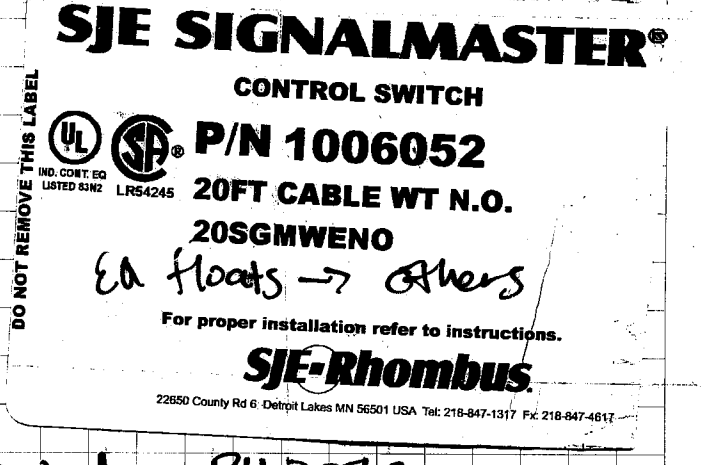
System reassembled but floats not working correctly. Diagnostics → need to swap 2 of the floats to get correct position & normally closed float to the top. Still getting EQ Hi @ 2nd float from bottom → Not correct

K. Merrick call to EOS re: strange system behavior. EOS sending loaner unit

Sample Eff @ 1330 ph: 6.62

No MH-2 sample due to system trouble shooting





MH-1 = 8485725

MH-2 3073448

FS 4573

E&C 23027896

BFM 900500

System OFFLINE

off site 1515 Kaweah

model of
Sump pump
KP-200-1 ??

7/11/14

CHA on site @ 13:00
PEC and Engler Electric Already on site.
Engler determines top float was incorrect part (Normally open not Norm closed)
float was replaced w/ correct float
PEC picked up a float that can go either normal open or normal closed depending on the configuration.

K. Merrick also installed loaner procontrol

Change P1 filter

Start up system → fine tune and observe several cycles.
LO/LOLO wires were crossed causing early LO Alarm, corrected and system is fine. Observe 2 more cycles → good → system running fine!
Change P1, P2

CHA, PEC, Engler off site @ 1600 / Kmarcell

To Sherry

7/15/14 Tuesday 75°

CHA on site @ 1130 for sampling
NO ALARMS

changed P1 filter, P2 filter

sample MH-2 @ 1150

sample effluent @ 1200
pH: 6.72

MH-1 8582336
MH-2 No change
FS 4586
Eff 23065796
BFM 904810

CHA off site @ 1215

KMenck

7/23/14 T°C 80°F

CHA on site @ 0940 for sampling
No alarms

change P1 filter

sample MH-2 @ 1000

sample effluent @ 1010
pH: 6.65

MH1 8619972
MH2 No change
FS 4586
Eff 23128353
BFM 911810

CHA off site @ 1030

KMenck

vpu 117 8/1/2014

CHA on site @ 1100 for weekly sampling.
System OK -> no alarms

CHANGE P1, P2 filters

Sample effluent @ 1140 pH: 6.68
split sample between TA + Spectrum for QA/QC analysis

Sample mlt-1 @ 1150 pH: 6.60
Sample mlt-2 @ 1155 pH: 6.51

mlt-1 9540458
mlt-2 3073448
FS 4586
Eff 23198692
BFM 919700

CHA off site @ 1210

Kathryn Menck

8/7/14 Sunny 70°F

CHA on site @ 1045 for sampling
No Alarms

Swapped out ProControl unit to install CP's refurbished/updated unit

Changed P1 bag filter

Sample effluent @ 1230
pH: 7.00

Sample mh-2 @ 1140

MH-1 8560589
MH-2 no change
FS 4586
Eff. 23262642
BFM 926880

CHA off site @ 1155

K Mercer

8/13/14 85°F, rain

CHA on site @ 1000 for sampling
No Alarms

Changed P1, P2 bag filters

Sample eff @ 1010
pH: 6.73

Sample MH-2 @ 1015

MH-1 8587447
MH-2 no change
FS 4678
Eff 23339675
BFM 935570

CHA off site @ 1030

K Mercer

8/20/14

11AM CMullins on Site To Sample
– No Alarms –

Changed P1 & P2 Filters

Sample eff @ 1140
pH 6.88

Sample MH2 @ 1155 (Noted some susp Solids in Sample)
pH 6.79

MH1 8612587 gal
MH2 No Change
FS No Change
eff 23414951 gal
BFM 09440800 cf
off Site 12:30pm

CM

8/26/14

330 pm CHA on-site

Man Holes 1 & 2 Alarm Hi

Changed P1 & P2 Filters
- Filters Very "Dirty"

Sample effluent @ 430pm
pH= 7.20

Sample MH2 @ 445
pH= 7.16

MH-1 8631587
MH-2 No Change
FS- No Change
Eff - 23432812
BfM - 946670

CHA off Site
5pm

9/4/2014

CMA on site for monthly sampling

No alarms
Change P1 + P2 (heavy sediment load)

Sample MH-1 @ 1325
pH: 6.70

effluent @ 1340
pH 6.90

MH-2 @ 1345
pH: 6.92

MH1 8662170
MH2 No change
FS 4673
Eff 235 25752
BFM 957330

off site @ 1400

K Merck

9/10/14 70°F sunny

CHA on site for sampling
no alarms
-note: MH1, P1 on, but no flow
Change P1 filter

Sample Effluent @ 1050
pH 7.18

EQ6B
Note that P2 pump not pumping as efficiently 70 GPM vs 140 GPM for Pump EQ6A.

MH-1 8679745
MH-2 NC
FS 4678
BFM 963270
EQ 235 77907

CHA off site @ 1115

K Meuck

9/17/2014 68°F sunny

CHA on site for weekly sampling
MH-1, MH-2 high alarms on
CHA rebooted system → put in auto

Change P1, P2 filters

Sample MH-2 @ 1445
Sample effluent @ 1450
pH 6.99

MH-1 8696736
MH-2 NC
FS 4729
BFM 967530
Eff 236 14935

off site @ 1500

K Meuck

sunny 85°F

9/23/14

CHA onsite for alarms/sampling

MH-1, MH-2 Eff alarms
EQ high alarm
system on manual mode
changed P1, P2 filters, switched system to auto mode

Sample effluent @ 1430
pH 7.24

Eff 6B still running sluggish
~40 GPM w/new filters

Sample MH-2 @ 1440

MH-1 Eff alarm light not off but pumps are not on – false high?

MH-1 8709005
MH-2 NC
BFM 970860
EFT 23642684
FS 4729

after monitoring system @ 1500

Emmett

PIC 70°F

10/1/2014

CHA on site w/PIC @ 1030
to discuss system and perform monthly sampling

No alarms

Changed P1, P2

Sampled effluent @ 1130
pH: 7.05

MH-1 @ 1135
pH 6.86

MH-2 @ 1140
pH: 6.88

perform calibration test

	Eff	BFM
S	23700113	977430
E	23700409	977460

Flow BFM $\frac{30 \times 7.48052}{2} = 112.21$

Flow Eff $\frac{23700409 - 23700113}{2} = 148$

10/1/14

MH1 - 8724077
MH2 237 00409
FS 4729
BFM 977460

off site 12[1]0

Kathryn Merrick

10/8/14 P. Sunny 60°F

On site for weekly sampling and pro Control reset
No alarms
Change PI filter

Sample effluent @ 0950
pH: ~~7.00~~ 7.00
MH2 @ 0955

MH1 8737162
~~EFF~~ MH2 NC
EFF 23744809
FS 4729
BFM 982500

Called EOS @ 1005 to reset procontrol and upload new system process

CATA monitors system.
Appears OK.
Off site @ 1130

K Merrick

Rain 65°F

10/16/14

CHA on site w/ PEC for system maintenance

NO Alarms

Sample ~~AEH~~ Effluent @ 0840
pH: 7.25

Change P1, P2 filter

CHA unable to complete flow sensor replacement for MH-2 b/c need another part

PEC disassembled GB pump -> @ cleanout and found a very plugged plastic strainer filter. Cleaned strainer and placed back in. Flow for GB back to 135 - 150 GPM. Decided to also clean GA screen.
GA Strainer is cracked. Need to replace

MH-1 8756049 CF: 29803622
MH2 NC
FS 4761
BFM 989200

off site 1120

10/22/14
CHA on Site @ 7am
No Alarms, Changed P-100 Filters
Sampled @ 730
Effluent pH 7.09
MH2 pH 6.81

MH-1 8789244
MH-2 3073448 (NC)
FS- 4761
BFM 998640 cF
Eff ~~28~~ 23888033

CHA off Site @ 8am

10/28/14

CHA on site to respond to alarms from monday
A/S flow was almost 0
CHA had placed system in manual mode
changed P1, P2 filters (heavy sed)

turned system back to AUTO, MH-1 hi alarm on

Sample MH-2 @ 1030

Sample effluent @ 1050
pH: 6.74

MH-1 8809205
MH-2 NC
FS 4761
BFM 1002140
Eff 23911574

off site @ 1110

Knueck

11/6/2014

CHA on site for weekly/monthly Sampling

no alarms

change P1 filter

Sampled MH-2 @ 1245
pH: 6.96
MH-1 @ 1250
pH: ~~6.85~~ 6.79
Eff @ 1300
pH 6.66

MH-1 8935473
MH-2 NC
FS 4761
Eff 23991876
BFM 1011110

off site @ 1310

Knueck

450 Showers

11/12/14

CAA on site for weekly sampling

No alarms

Change P1, P2 bag filters

Sample eff @ 1410
pH 7.83

Sample MH 2 @ 1420

MH1 8850041
MH2 NC
FS 4761
BFM 1016090
Eff 24036336

off site 1430

K Meuck

11/20/14

CAA on site for weekly sampling
no alarms
- turned 3 heaters on, temp today 80°F, turned heaters on low

Change P1

Sample eff @ 1500
pH: 7.86
Sample MH2 @ 1505

MH1 8872862
MH2 NC
FS 4761
BFM 1023620
Eff 24103687

K Meuck

11/25/14

42 Sunny
54°F inside

On site for weekly sampling

No alarms

Change P1, P2

Sample Eff @ 1005
pH 6.79
MH2 @ 955

MH1 8890504
MH2 NC
BFM 1029060
FS 4761
Eff 24152322

off site 1015

12/3/2014

40° overcast
52°F inside

CHA on site for monthly samples
No Alarms
Change P1 & P2

Sample Eff @ 955am pH = 7.06
10:05am
MH1 @ ~~955~~ pH 6.86
MH2 @ 10:15am pH 6.67

MH1 8926204
MH2 3073448
BFM 1039510
FS 4761
EFF 24245726

12/12/14 cloudy 50°F
54°F inside

on site for weekly Sampling
NO alarms

Change P1 filter

Sample Effluent @ 1350
pH 7.05
MH 2 @ 1355

MH1 09:8342
MH2 NC
FS 4776
EFF 24371147
BFM 1053530

Kathryn Merrick

12/17/14 int: 50°F
ext: showers 40°F

on site for weekly Sampling
NO alarms
Received S. Gilbert
Change P1, P2

Sample MH2 @ 1340
Effluent @ 1350
pH: 7.10

MH1 9006359
MH2 NC
EFF 24441472
FS 4776
BFM 1061390

Kathryn Merrick

12/22/2014 Overcast
Outside temp: 32°F
Inside temp: 52°F

On site for weekly samples
No alarms on site

Multiple email alerts of high MH 1 and floor sump, the alarms were fixed remotely by K. Merrick. The system was run manually and once the EQ tank had been emptied enough, the sump was pumped

Changed bag filter P1

Sampled MH2 @ 1040AM
Sampled effluent @ 1050AM
pH: 6.71
MH1: 9037057
MH2: 3073448
Effluent: 24509237
Sump: 4808
BFM: 1069640
offsite @ 1106AM A. Gilbert

12/30/14

Inside 54°F?

On site for weekly sampling
No Alarms

Changed P1, P2

Sample MH-2 @ 1005

Effluent @ 1015
pH: 7.42

MH-1 9082977
MH-2 NC
PS 4808
Eff 24625226
BFM 1082580

off site @ 1040

KMerrick

APPENDIX H
INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

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, 2013 to December 31, 2014

	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.

Designated Representative 2/27/2015

Signature of Owner, Remedial Party or Designated Representative 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.

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.

Roger Creighton Remedial party — 2/27/2015

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

IC CERTIFICATIONS
SITE NO. 622003

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 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 John P. Sobiech at 575 Broadway, Suite 301, Albany, NY 12207
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.

STATE OF NEW YORK JOHN P. SOBIECH LICENSED PROFESSIONAL ENGINEER

02/10/15

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification | Stamp (if Required) | 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 2426 Co Rt 12, Central Square NY
print name print business address

am certifying as a Professional Engineer for the Utica Boilers Company
(Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date 4/24/15

APPENDIX I
PHOTOGRAPHIC LOG

2014 PERIODIC REVIEW REPORT

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

FEBRUARY 2015

View of the containment cell and the RAF building from the east.

View of the containment cell and the RAF building from the west.

View of the SCADA 3000 auto-dialer from inside the RAF building.

View soil piles in the east parking lot from the 9/2012 unauthorized excavations conducted by 2200 BSP (October 2014).

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.