2005 ANNUAL OPERATION, MAINTENANCE AND MONITORING 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.
400 University Building
120 East Washington Street
Syracuse, New York 13202

April 2005

CERTIFICATION

I, Paul M. Fisher, P.E., as a New York State licensed Professional Engineer, certify that the 2005 Annual Operation, Maintenance and Monitoring Report, Sections 1 through 5, for the property located at 2200 Bleecker Street, Utica, New York, pursuant to the Draft DER-10, December 2002, 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

CERTIFICATION

I, Daniel M. Shearer, P.E., as a licensed Professional Engineer in the State of New York, certify that Section 6.0, 6.1, 6.2.2, 6.3.2, 6.4.2 and 6.5.2 of the 2005 Annual Operation, Maintenance and Monitoring Report and respective tables, charts and figures, for the property located at 2200 Bleecker Street, Utica, New York, is prepared pursuant to the Draft DER-10, December 2002, Section 1.5(a)8 and has been prepared in accordance with good engineering practices.

ENSR | AECOM

Daniel M. Shearer, P.E.

CERTIFICATION

I, James R. Heckathorne, P.E., as a licensed Professional Engineer in the State of New York, certify that Section 6.2.1, 6.3.1, 6.4.1 and 6.5.1 of the 2005 Annual Operation, Maintenance and Monitoring Report and respective tables, charts and figures, for the property located at 2200 Bleecker Street, Utica, New York, is prepared pursuant to the Draft DER-10, December 2002, Section 1.5(a)8 and has been prepared in accordance with good engineering practices.

O'BRIEN & GERE

JAMES R. HECKATHORNE, P.E.

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 December 25, 2002
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
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
ppb	parts per billion
ppm	parts per million
ppt	parts per trillion
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
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
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	2003 Annual Operation, Maintenance and Monitoring Report	Synapse	3/05

1.0 INTRODUCTION

This 2005 Operation, Maintenance and Monitoring Report (OM&M Report) provides an annual account of activities relative to the property located at 2200 Bleecker Street in Utica, New York (the Property). The Chicago Pneumatic Tool Company (CPTC) occupied the Property from 1948 through 1997 for manufacturing. The Property is currently owned by Utica Holding Company (UHC), a subsidiary of Danaher Corporation (Danaher), with the exception of the former main manufacturing building (Main Building) structure and the land beneath that structure, which is presently owned by Coolidge Utica, LLC (Coolidge). The surrounding property, owned by UHC, is leased to Utica Land Equities, LLC (ULE).

1.1 Regulatory History

Environmental assessments and investigations conducted between 1985 and 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. A chronological list entitled Associated Documents, Page vi, summarizes key documents.

1.2 Purpose

This OM&M Report has been prepared in conformance with the requirements set forth in NYSDEC's Draft DER-10, dated December 25, 2002, *Technical Guidance for Site Investigation and Remediation* (DER-10), and has been prepared in reference to the Final Engineering Report (FER), previously submitted and accepted by NYSDEC for the Property. Additionally, the April 2001 site specific OM&M Manual was approved by NYSDEC, along with subsequent annual reports. This OM&M Report, as directed by the OM&M Manual, has the following objectives:

- To provide an evaluation of the compliance of the RA with the requirements of the ROD and subsequent Order on Consent;
- To provide an evaluation of the operation and the effectiveness of the ongoing remedial operations, engineering controls and treatment systems in use at the Property, and identification of any needed repairs or modifications;
- To provide an evaluation 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; and
- To provide information to the public.

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 operations 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 Inspection and Maintenance - Discusses the current ownership and uses of the Property, and the ongoing inspection and maintenance requirements associated with the Property's general ongoing use;

Section 3.0 - Remedial Action Facility - Discusses the Remedial Action Facility (RAF) at the Property, primarily consisting of a containment cell, a leachate collection and storage system, and the inspection and maintenance requirements associated with the RAF's ongoing operation;

Section 4.0 - Groundwater Monitoring - Discusses the groundwater monitoring well network at the Property, the groundwater sampling and analytical requirements and subsequent results;

Section 5.0 - Property SPDES - Discusses the State Pollutant Discharge Elimination System (SPDES) permitted surface water discharges through three outfalls at the Property, and the routine and additional effluent sampling, including the analytical programs required by the permit; and

Section 6.0 - Groundwater Treatment System - Discusses the operation and maintenance of the groundwater treatment system (GTS) installed and currently operating at the Property.

This OM&M Report 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 been managed the administrative and technical requirements pursuant to the RA during 2005, with the exception of the GTS, which has been operated by O'Brien and Gere Engineers, Inc. (OBG), of East Syracuse, New York. The operation of the GTS was transferred from OBG to ENSR International Inc. (ENSR) of East Syracuse, New York in May 2005.

2.0 PROPERTY INSPECTION AND MAINTENANCE

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. UHC retains ownership of the Property, which includes the ancillary buildings and the land, excluding the Main Building (see Figure 2-2 – Facility Plan). The Main Building is presently owned by Coolidge, whom subsequently rents/leases portions/sections of the building to various tenants. 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 of the peripheral Property only. The RAF, groundwater monitoring, Property SPDES, and GTS are discussed in Section 3, Section 4, Section 5, and Section 6, respectively.

2.1 Property History

CPTC occupied the Property from 1948 until 1997 for the manufacture of pneumatic tools. Danaher owned CPTC, but later transferred ownership to Atlas Copco. The Property, with the exception of the Main Building, is currently owned by UHC, a subsidiary of Danaher. The 458,000 square foot Main Building has been owned by Coolidge and the remaining land, owned by UHC, is leased by ULE since 1997.

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 Record of Decision 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, which included an air stripper, has been in operation since 1995. The air stripper and pumping appurtenance were incorporated into the RA. 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 Danaher 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 impacted soil and sediment from the 14 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.

UHC is the Permittee on the SPDES permit associated with three outfalls located on the Property, which is discussed in Section 5. CPTC maintains responsibility for the GTS and associated SPDES permit which is discussed in Section 6.

2.2 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 units 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 investigative 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.

2.3 Property Activities

The majority of the Property buildings are currently occupied by tenants that generally include trucking, cosmetic storage, food (dough) manufacturing, and printing businesses. The Main Building, 458,000 square feet, is surrounded by approximately 57,000 square feet of ancillary buildings. Paved access roads and parking areas cover approximately 12 acres. An approximate 35-acre wooded tract, at the southern portion of the Property, remains inactive. No specific changes in the Property's makeup or unusual activities related to the operation and maintenance requirements were noted during the calendar year 2005.

2.4 Inspection

Scheduled Property visits and subsequent Site Inspection Reports – Form A and Form A1, (Appendix A) are performed and prepared to track Property activities and monitor Property drainage. These reports indicate required maintenance and provide a follow-up to ensure the subsequent maintenance effectiveness. Scheduled and unscheduled Property visits are documented on this and other forms, and are discussed in appropriate sections throughout this report. During 2005, the Property ditches were inspected and observed to be well vegetated, and overall, not generally prone to sedimentation. Additionally, the ditches are inspected for unusual staining and deposits, of which none were identified. The Property culverts are inspected as well, to insure they are clear and functional.

2.5 Property Drainage and Outfalls

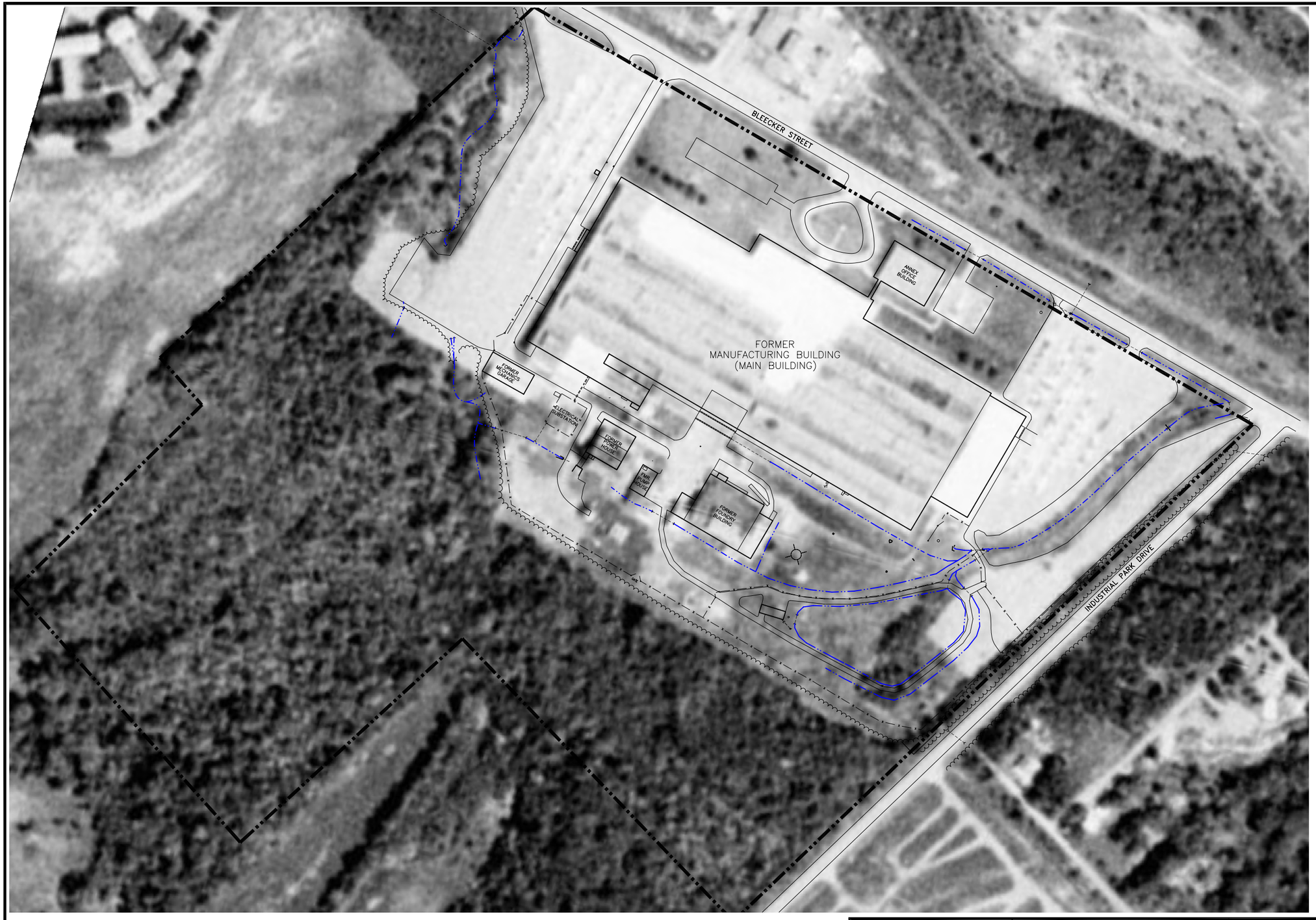
The Property is generally drained via existing drainage ditches located at the east and west portions of the Property. The west unnamed creek, Area 1 (See Figure 2-3), flows from the south through a wooded area and runs along the western extent of the Property, exiting at the northwest corner of the Property. The unnamed creek drainage contribution primarily consists of roof leaders conveyed via the northern and southwestern stormwater systems emanating from of the Main Building. Surface water runoff from the western parking lot and surface water runoff from a southern agriculture area also contribute to the unnamed creek. The southwestern and northern stormwater systems are monitored from manholes identified as SPDES Outfall 001 and Outfall 002, respectively. SPDES outfall monitoring for the Property is discussed in Section 5. The unnamed creek floods occasionally in the spring and fall, primarily due to restrictions in an off-site stormwater piping system. A new culvert was installed in 2003 by the 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 unnamed creek, Area 1.

Two east-west oriented surface water drainage ditches, Area 4 and Area 6, originate from the mid portion of the Property, south of the Main Building, and converge to form one north-south 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. 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 SPDES Outfall 003 is located near the northern end of the eastern drainage ditch; prior to joining a drainage ditch parallel to Bleecker Street.

2.6 Summary

The northern portion of the Property continued to be active throughout 2005, however, the southern portion remains wooded and inactive. Tenants occupy approximately 80% of the Main Building and continue to use the surrounding access roads and parking lots. The Property is accessed a minimum of once per month allotting reviews of ongoing activities and inspection of the drainage system. No reportable issues of concern were noted with regard the property drainage or makeup, therefore, continuation of the scheduled inspection is recommended for this aspect of the Property.

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. AIR PHOTO DATED 5/31/90.

120' 0 120' 240'

GRAPHIC SCALE: 1" = 240'

X: CP-BASE
P: DL2BC
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB03.DWG

synapse

SYNAPSE RISK MANAGEMENT, LLC
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2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

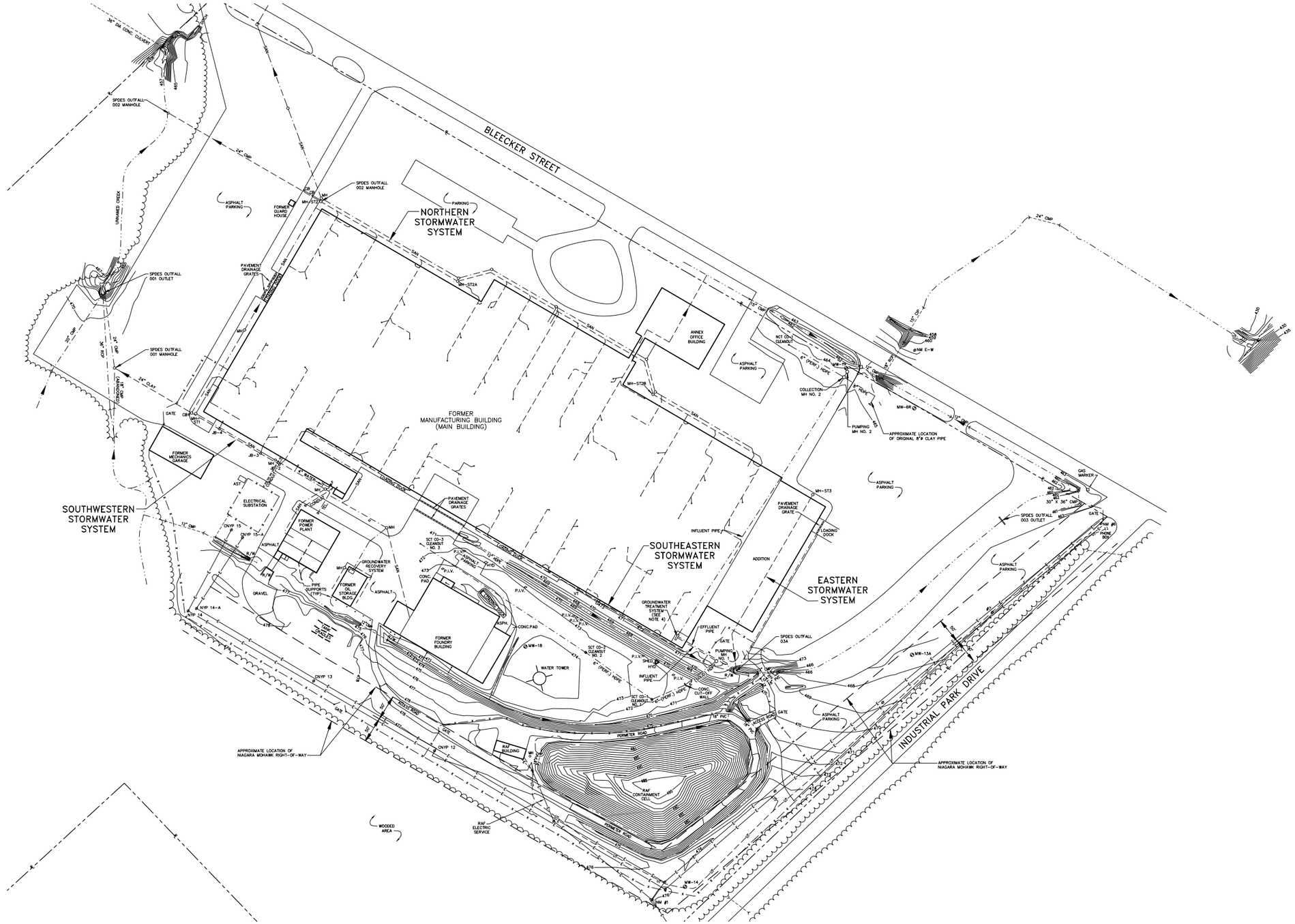
2200 BLEECKER STREET
UTICA, NEW YORK

AERIAL PROPERTY MAP

PROJECT NO.: DANA 01-04

DATE: APRIL 2006

FIGURE NO.: 2-1



LEGEND

470	ELEVATION CONTOUR
MH	MANHOLE
x x x x	CHAIN LINK FENCE
CNYP 12	UTILITY POLE
R/W	RETAINING WALL
	SURFACE DRAINAGE CULVERT
	DRAINAGE DITCH
	DRAINAGE PIPE
SAN	SANITARY SEWER PIPE
	STORMWATER DRAIN PIPE
	TREE LINE
UT	TELEPHONE (UNDERGROUND)
MW-14	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.

X: CP-BASE
P: BL
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB04.DWG

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2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

FACILITY PLAN

PROJECT NO.: DANA 01-04

DATE: APRIL 2006

FIGURE NO.: **2-2**

3.0 REMEDIAL ACTION FACILITY

The RAF is situated in the mid-eastern portion of the Property, as presented on Figure 3-1 – Remedial Action Facility Plan, and contained within a fenced area encompassing approximately 3.8 acres; providing security for the, generally unmanned, facility. 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 documentation of the site inspection events and any adjustments made. The results of these inspections generally set forth maintenance, if required.

Key components of the RAF are the fences, roads, drainage, 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.

The groundwater monitoring wells, with the exception of MW-14, and the GTS are located outside of the perimeter fence of the RAF and are reviewed in Section 4 and Section 6, respectively.

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 offsite. A gravel service/perimeter road surrounds the containment cell providing for vehicle access and subsequent inspection and maintenance.

- *Leachate Collection System* - A leachate collection system, 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 providing access for cleaning, as needed. The leachate collection system components are noted on Figure 3-1.

- *Leachate Storage System* - Leachate pumped from the collection manhole is stored in an aboveground 5,000-gallon steel storage tank within a steel secondary containment structure as shown on Figure 3-2 – Building, Tank, and Piping Plan. A flow totalizer is used to track the quantity of leachate pumped to the tank from the collection manhole, and a level sensor installed in the tank is used to determine the instantaneous quantity of leachate in the tank. The level sensor is also electronically connected to an auto dialer system to notify Synapse personnel of alarm conditions via telephone and facsimile. The tank is also equipped with a sampling port, drain fitting, electric heating elements, and insulation utilized to prevent freezing of the tank and piping during winter months. In addition, a concrete truck pad with grated sump is located adjacent to the tank to provide containment during pumping of leachate from the tank to a tanker truck prior to disposal.

- *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 leachate collection system operated continuously during 2005. 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, Intelligent System for Automatic Control & Communication (ISACC). Scheduled site visits and subsequent Site Inspection Reports – Form A (Appendix A) consists of 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 drainways were inspected to insure that ponding or erosion does not occur from runoff. All Property ditches and culverts were accessed and viewed during the inspection, for the same. The RAF perimeter fence was also inspected to insure facility security, and the facility overhead utilities were viewed and tested, in the building, as well.

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 movement.

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, as well as opening the manhole and conducting visual inspection of its components. As this is a lead/lag pumping system, lead duties are periodically changed between Pump No. 1 and Pump No. 2 during inspections.

The RAF building was viewed during the inspection for inconsistencies in the structural, security, electrical, and telephone systems, as well as assuring the heat and vent systems were functional. The ISACC, located in the RAF building, provides continuous monitoring information of the leachate collection manhole and leachate storage tank. The ISACC system is generally accessed remotely semi-monthly for data collection and management. ISACC was accessed from the Synapse office by modem to download specific information. In the event of an alarm condition, the ISACC system alerts designated Synapse personnel based on the guidelines set forth in the OM&M Manual and the ISACC program logic. The Auto Dialer Alarm Incident and Testing Report, Form F, included in Appendix B, provides documentation of alarm conditions, if any, and testing during the 2005 calendar year. An annual total system check was performed, as required, and reportedly, no alarm was received during 2005.

The leachate storage system, which is housed in the center portion of the RAF Building, was inspected and total flow readings were recorded. The 5,000-gallon storage tank, containment system, and plumbing were viewed for leaks and any abnormalities. The tank was internally inspected, generally after leachate was removed, to assure the control of corrosion. The influent pipe is equipped with a flow totalizer, which was manually recorded during monthly inspections. The flow totalizer indicated that

approximately 3,600 gallons were pumped during 2005, totaling 60,900 gallons pumped since monitoring commenced in May 1999. The collected leachate sampling and disposal are reviewed in later subsections.

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 2005 calendar year 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);
- Drainage ditches (vegetation, riprap and culvert management); and
- Truck pad sump (pumping during leachate removal, Section 3.5).

Unscheduled Maintenance

Unscheduled maintenance activities associated with the RAF and site components that occurred during the 2005 calendar year consist of the following:

- Adjustment of the tank liquid level sensor;
- 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;
- Adjustment and replacement of sheet metal barrier panels and bird netting to continue to prevent pigeon roosting in the open portion of the RAF building; and
- General cleaning to include pressure washing the tank and truck loading area 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 leachate collection manhole. The portion of the leachate collection pipe between the containment cell and collection manhole is equipped with secondary containment, double-walled piping. The leachate

collected in the manhole is then transferred, via redundant, automatically controlled pumps, to the on-site leachate storage tank.

Leachate generation/collection is monitored by two means; measuring the fill height in the tank and through a flow totalizer. The on-site ISACC system provides real time data and remote location communication with the RAF. The operation of this unit, associated with the leachate collection system, is discussed in the OM&M Manual. One of the eight programmed ISACC channels provides tracking of tank filling events (i.e., water level in the tank). The tank filling is monitored and is equipped with a shut down system, so as not to overfill.

The inline flow totalizer was read and recorded during the monthly inspections and accounts for the leachate generation. Table 3-1 – Cumulative Leachate Generation provides a summary of the recorded flow from May 1999, inception, through December 2005. Chart 3-1 – Cumulative Leachate Generation graphically represents the data in Table 3-1. A total of 3,600 gallons was metered during 2005, indicative of an average flow of approximately 9.6 gallons per day (gpd). The overall trend of yearly leachate production has decreased as evaluated in Table 3-2 – Leachate Generation Per Year, and Chart 3-2 – Leachate Generation Per Year.

3.5 Leachate Disposal

The leachate is temporarily stored in the on-site 5,000-gallon storage tank within a steel secondary containment sized to contain 110% of the tank volume. The leachate requires analytical analysis prior to bulk batch disposal. The scheduling of the sampling events and subsequent disposal is based on tank level data monitored by the ISACC system. The sampling and disposal of the leachate were performed during 2005 in accordance with the guidance set forth in the OM&M Manual. One sample of the leachate from storage tank filling number 13 (LT-13), was collected and analyzed as set forth in Permit No. GW-050 issued by the Oneida County Department of Water Quality and Water Pollution Control (OCDWPC).

The analytical results of the leachate sample collected, LT-13, indicated compliance with the permit limits set forth by the OCDWPC. On September 14, 2005, leachate for LT-13 was disposed of to the OCDWPC sanitary sewer system and leachate storage tank filling number 14 began. The leachate disposal authorization for LT-13 from OCDWPC and analytical data packages are provided in Appendix C - Leachate Disposal Correspondences and Analytical Data. The total leachate disposal for 2005 was approximately 2,810 gallons.

3.6 Summary

The RAF facility and associated components generally operated as planned through 2005. The monitoring and inspection continues, as necessary, to evaluate trends and the ongoing condition of the facility. The operation and maintenance performed during the 2005 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; and
- The vegetative cover on the containment cell was restored.

The evaluation of the data relating to the leachate generated and collected during 2005 (3,600 gallons), indicates an overall downward tend in leachate generated to date. The average production rate for 2005 was approximately 10 gpd. The leachate generated and batch discharged from the containment cell continues to meet the requirements set forth in the OCDWPC permit. Only one bulk disposal event was required in 2005 totaling approximately 2,810 gallons and is considered as the 13th tank filling and disposal event. Synapse concludes that the RAF performed as designed during 2005, and recommends continuing OM&M as prescribed and scheduled.

3.7 Tables

3.8 Charts

3-1 Cumulative Leachate Generation

3-2 Leachate Generation Per Year

CHART 3-1
CUMULATIVE LEACHATE GENERATION

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

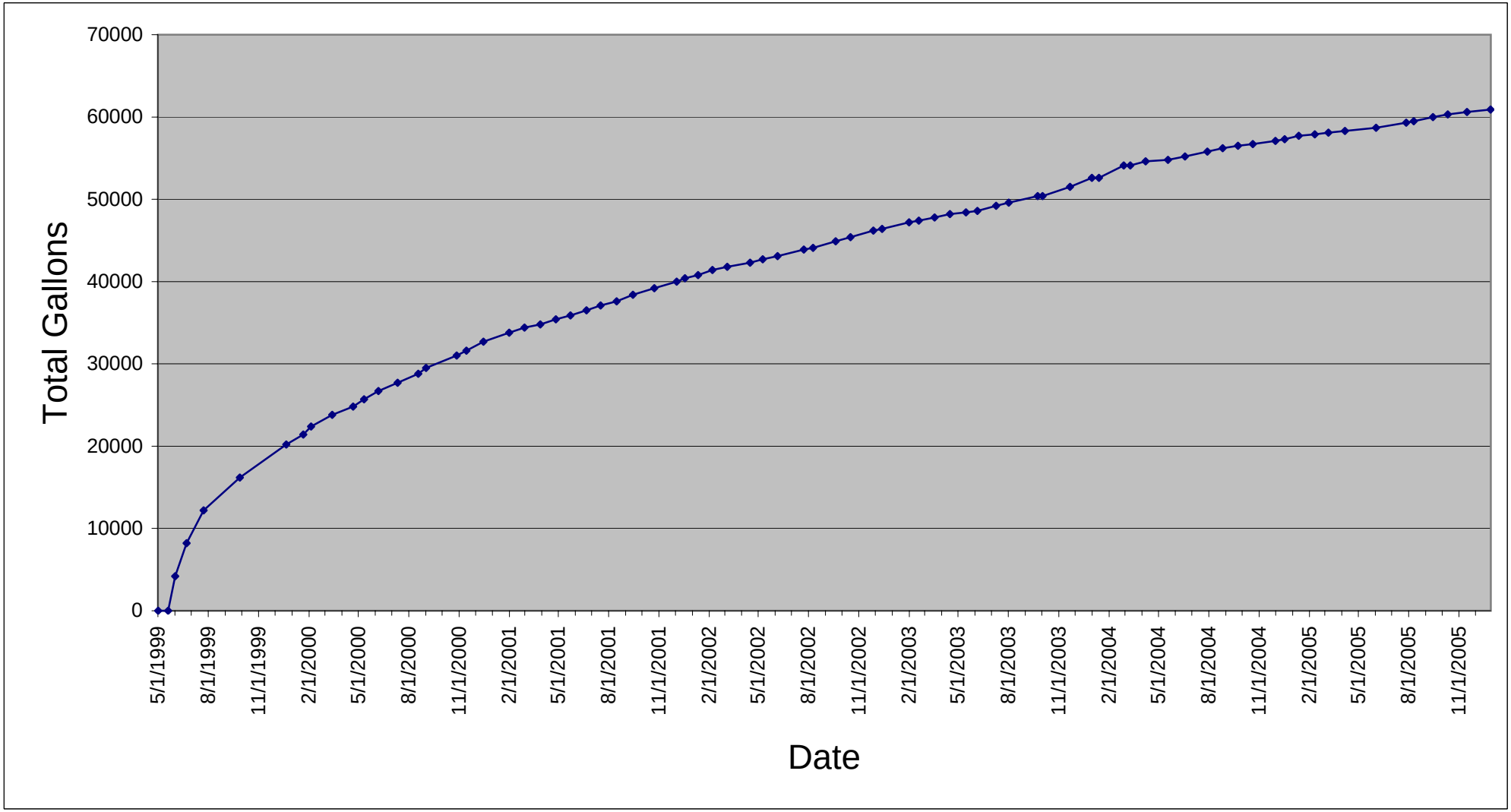
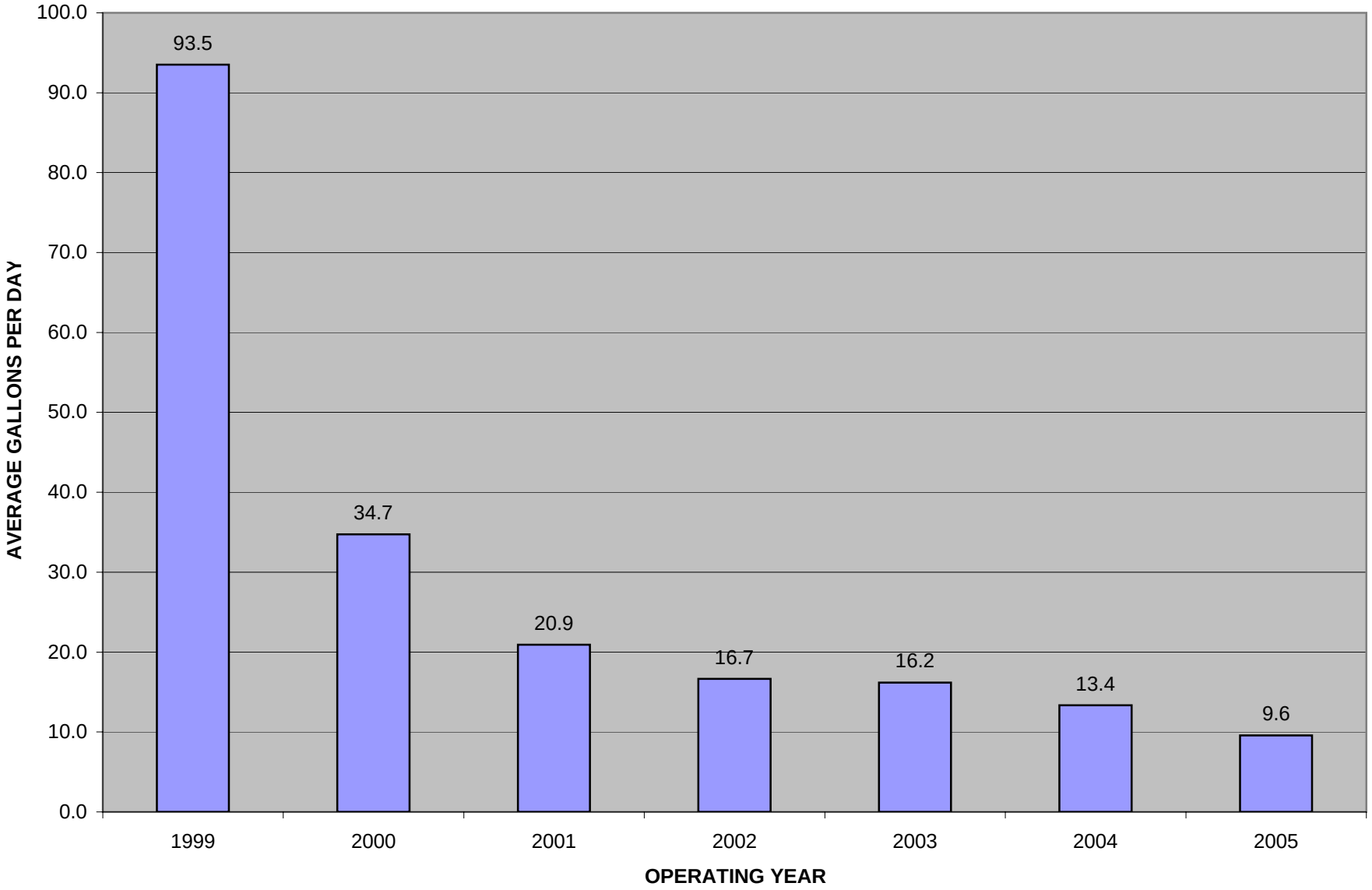
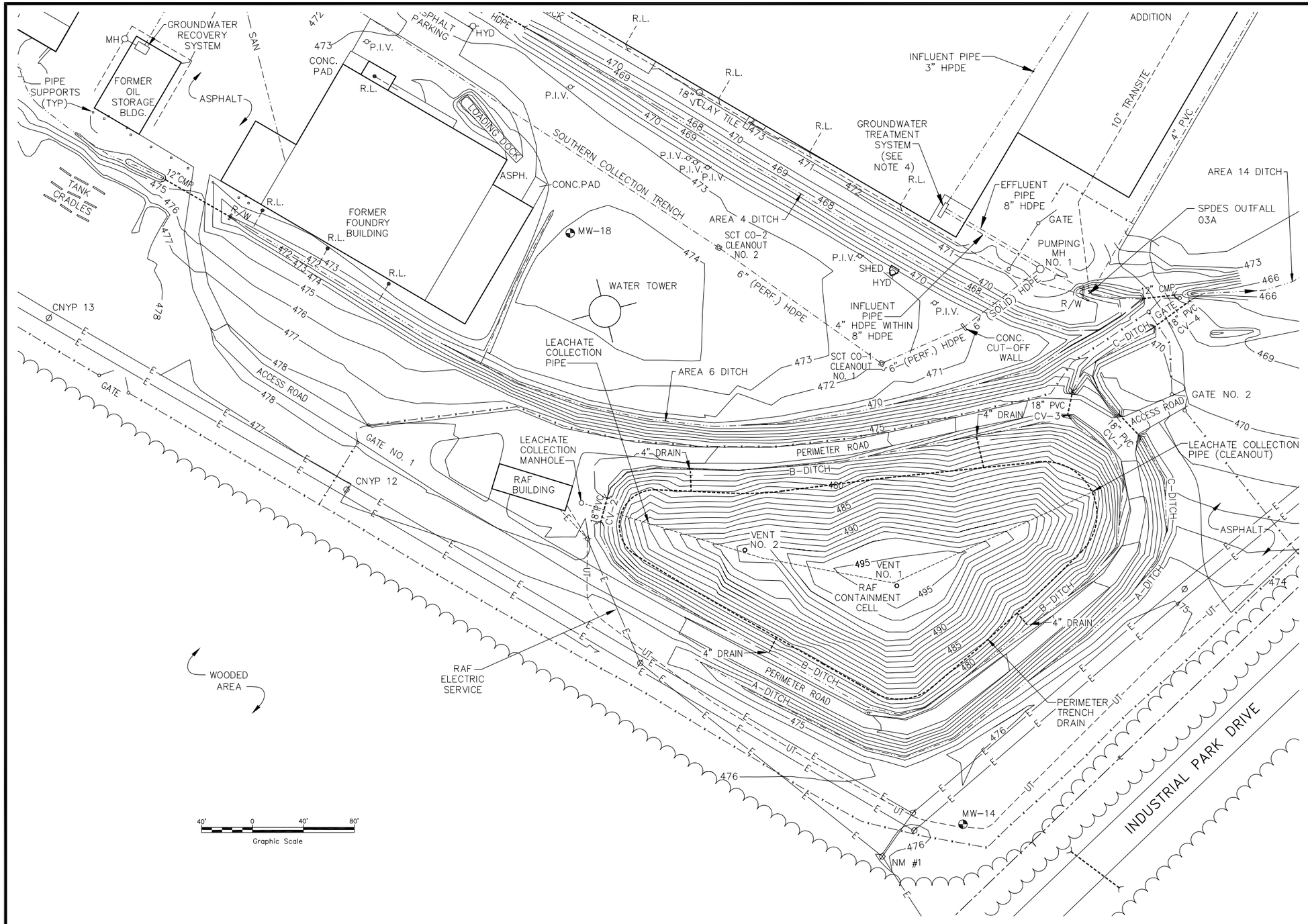


CHART 3-2
LEACHATE GENERATION PER YEAR

2005 ANNUAL OM&M 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-14 — 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.
5. PROPERTY LINE INFORMATION TAKEN FROM HERKIMER COUNTY TAX MAPS AND IS APPROXIMATE.

X: CP-BASE.DWG
D2BBW
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB11.DWG

synapse

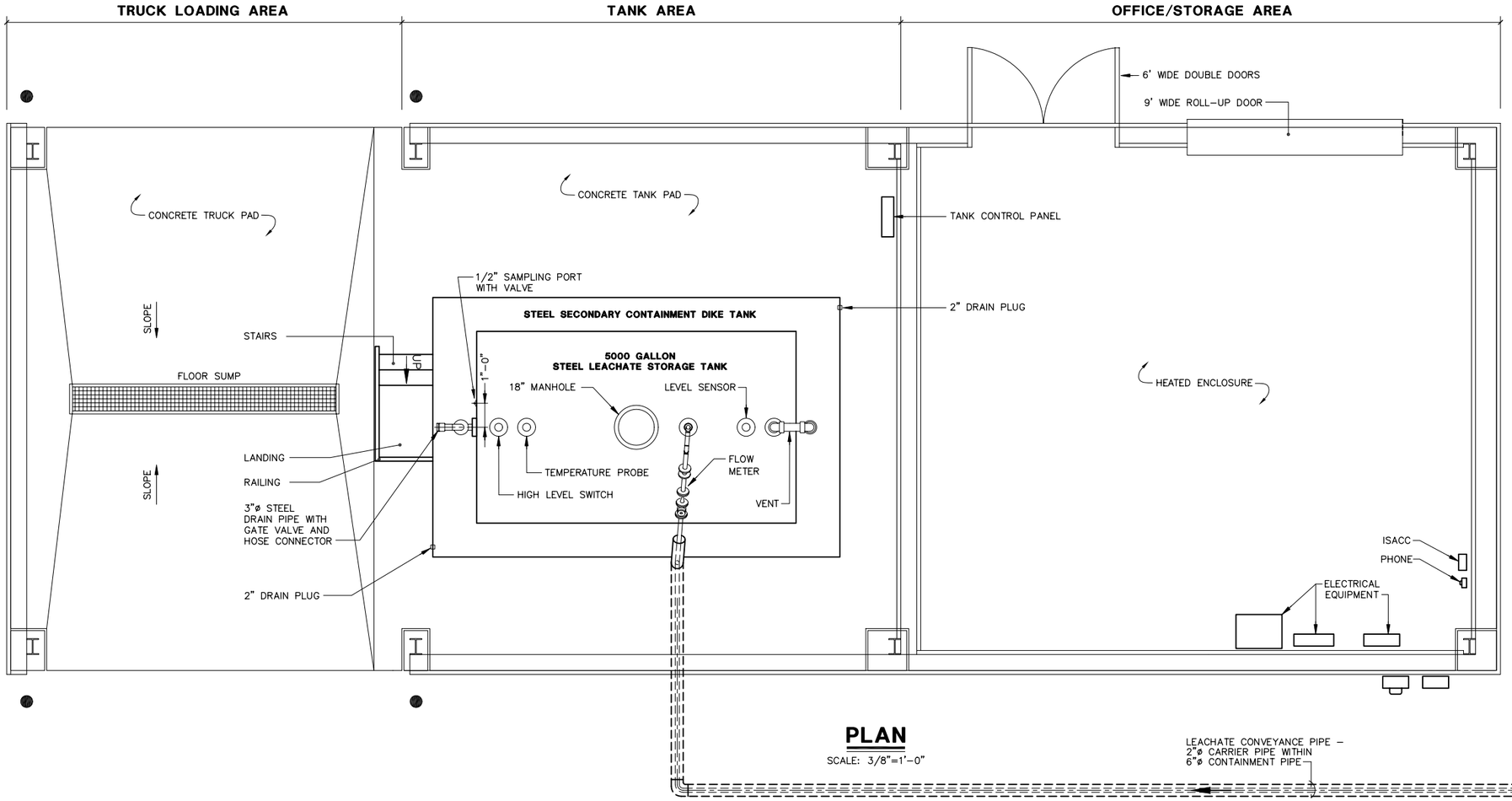
SYNAPSE RISK MANAGEMENT, LLC
400 UNIVERSITY BUILDING
120 EAST WASHINGTON STREET
SYRACUSE, NEW YORK 13202

2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

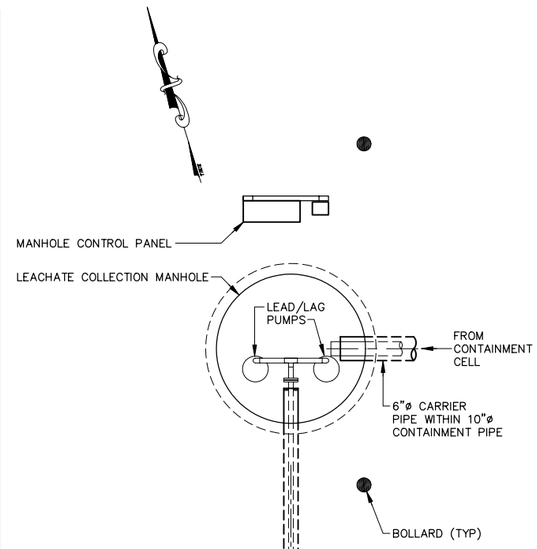
REMEDIAL ACTION FACILITY PLAN

PROJECT NO.: DANA 01-04
DATE: APRIL 2006
FIGURE NO.: 3-1



PLAN

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



X: FOUNDAT.DWG
D2BBW
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB10.DWG

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2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

BUILDING, TANK, AND PIPING PLAN

PROJECT NO.: DANA 01-04

DATE: APRIL 2006

FIGURE NO.: 3-2

4.0 GROUNDWATER MONITORING

This section presents the results of the semi-annual groundwater monitoring events conducted at the Property in 2005. The Property OM&M Manual details the procedures that were followed during groundwater monitoring. The FER details 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-14, MW-17, and MW-18. A sixth monitoring well, MW-3 was properly abandoned on September 14, 2001. The monitoring wells are located to provide groundwater quality data for site-specific RA areas and verify the influence of the GTS.

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 water table and intersect 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 RA Areas 5, 7, 8, 13, and 14 as well as the RAF;
- MW-14, located at the southeastern corner of the Property hydraulically upgradient of all RA areas and the RAF;
- MW-17, located hydraulically downgradient of the NCT; and
- MW-18, located hydraulically downgradient of 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 groundwater monitoring program, water level elevations were measured from the aforementioned monitoring wells on April 27, 2005 and October 20, 2005. Water levels in the cleanouts for the NCT and SCT were measured during the 2005 events, as well. Monitoring well water 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 water levels were measured consecutively, on the same day, prior to sampling or other activities. Water level measurements were recorded on a dedicated field sheet, Water Level Field Logs – Form D and are provided in Appendix D. The water level measurements were converted to elevations based on as-built survey information. The water levels for the two groundwater sampling events conducted in 2005 are shown in Table 4-1 – 2005 Groundwater Elevation Summary. Note that MW-17 was found to have insufficient water to sample, during both sampling events. This is attributed to the installation of Pumping Manhole No. 2, as part of the GTS, 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 27, 2005, and Figure 4-2 – Overburden Groundwater Elevation Contour Map - October 20, 2005. A summary of water levels from 1999 to 2005 is provided in Table 4-2 – Cumulative Groundwater Elevations.

4.3 Groundwater Sampling

Groundwater samples were obtained during two groundwater sampling events conducted on April 27 and 28, 2005 and October 20 and 21, 2005, as part of the OM&M program. Groundwater samples were collected from monitoring wells MW-6R, MW-13A, MW-14, and MW-18. As discussed in Section 4.1, MW-17 had insufficient water during both sampling events, and as such, a sample could not be collected.

Based on the guidance set forth in the OM&M Manual, the groundwater sampling events completed in 2005 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.

To assure that the groundwater samples were representative of the shallow groundwater aquifer, a minimum of three static well volumes were purged from each monitoring well prior to sample collection. Groundwater field parameters were obtained from each monitoring well just prior to sampling, and included water levels, pH, conductivity, dissolved oxygen, turbidity, and temperature. The wells were observed to have moderate recharge capacity. Well purging was performed using a disposable Teflon® bailer. The purged groundwater was containerized and transferred to the on-site leachate collection manhole, part of the RAF, for subsequent disposal.

Groundwater samples were collected using a new disposable Teflon® bailer for each well. During the April and October 2005 groundwater sampling events, samples to be analyzed for VOCs and PCBs were collected on the first day of each sampling event. Samples to be analyzed for metals were collected on the second day, 24 hours after purging the well, to limit turbidity in the samples collected. 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 shipped/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 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 any 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 for all parameters during each sampling event. 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 Spikes / 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 2005 samples were submitted to Life Science Laboratories of East Syracuse, New York. Table 4-3 – Groundwater Constituents, Methods, and Practical Quantification Limits, details the

groundwater sample analytical requirements. The Groundwater Sampling Logs - Form E, used during 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 – 2005 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 2005. The original laboratory analytical data for 2005 were provided under separate cover to NYSDEC upon receipt from the laboratory, and are provided in Appendix F – Groundwater Analytical Data. The analytical laboratory did not achieve the 0.05 ug/l method detection limit (MDL) for PCBs, from any of the monitoring wells during the October 2005 sampling event. The following summarizes analytical data from each monitoring well.

MW-6R

- Analytical results for VOCs indicated no detectable concentrations for both 2005 sampling events;
- Analytical results for PCBs indicated no detectable concentrations for the April 2005 sampling event. Analytical results for PCBs, specifically Aroclor 1242 was detected at a concentration of 0.13 micrograms per liter (ug/l). The detection is most likely laboratory contamination as Aroclors 1254 and 1260 were the focus during the RA. Further, the analytical results from the duplicate sample collected from MW-6R indicated a result less than the MDL. This groundwater condition will be reviewed during the April 2006 sampling event;
- The metal concentrations from both 2005 groundwater sampling events were below TOGS 1.1.1 guidance values and are comparable with historically identified concentrations; and
- Historically, VOCs and PCBs have never been detected at concentrations above method detection limits.

MW-13A

- Analytical results for VOCs indicated no detectable concentrations for both 2005 sampling events;
- Analytical results for PCBs indicated no detectable concentrations for both 2005 sampling events;
- The metal concentrations from both 2005 groundwater sampling events were below TOGS 1.1.1 guidance values and are comparable with historically identified concentrations; and
- Historically, VOCs and PCBs have never been detected at concentrations above method detection limits.

MW-14

- Analytical results for VOCs indicated no detectable concentrations for both 2005 sampling events;
- Analytical results for PCBs indicated no detectable concentrations for both 2005 sampling events;
- The metal concentrations from both 2005 groundwater sampling events were below TOGS 1.1.1 guidance values, and are comparable with historically identified concentrations; and

- Historically, VOCs and PCBs have never been detected at concentrations above method detection limits.

MW-17

- Monitoring well had insufficient water to allow sample collection during both 2005 events.

MW-18

- VC was detected at a concentration of 5.6 ug/l and 5.7 ug/l, respectively from the primary and duplicate sample, which exceeded the TOGS 1.1.1 guidance value of 2 ppb, during the April 2005 sampling event. All other VOCs were not detected at concentrations above method detection limits;

- Vinyl chloride (VC) was detected at a concentration of 7.1 ug/l, which exceeded the TOGS 1.1.1 guidance value of 2 ppb, during the October 2005 sampling event. All other VOCs were not detected at concentrations above method detection limits;

- Concentrations of metals were detected below TOGS 1.1.1 guidance values during both 2005 groundwater sampling events and are comparable with historically identified concentrations;

- Analytical results for PCBs indicated no detectable concentrations for both 2005 sampling events; and

- Historically, PCBs have never been detected at concentrations above method detection limits.

4.5 Summary

An interpretation of the groundwater elevation measurements obtained during the April and October 2005 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, where depressed groundwater levels were observed during the operation of the GTS. Monitoring well MW-17 continues to have insufficient water to measure or sample, as a result of the depressed groundwater.

The groundwater quality from both the April and October 2005 groundwater sampling events are generally consistent with historical data, with the exception of concentrations of VC detected in monitoring well MW-18, VC has been identified above its analytical MDL for five consecutive sampling events. The VC concentration at MW-18 demonstrates an overall increasing trend, however as VC is a daughter product and generally demonstrates the degradation of TCE. 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.

Concentration of select metals did not exceed TOGS 1.1.1 guidance values and have not demonstrated exceedances since the RA. Detectable concentrations of PCBs were not and have never been identified in groundwater from any of the current monitoring locations. The detection of Aroclor 1242 in the primary sample collected at MW-6R is apparently attributable to laboratory contamination, as the duplicate sample for MW-6R was less than the MDL.

4.6 Tables

TABLE 4-2
CUMULATIVE GROUNDWATER ELEVATIONS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	Well ID					
	MW-3	MW-6R	MW-13A	MW-14	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

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.

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

2005 ANNUAL OM&M 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 Componds.
3. PCBs = Polychlorinated biphenyls.
4. VOCs of concern PQLs are based on USEPA SW-846 Method 8260 contract requirred 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
2005 GROUNDWATER ANALYTICAL RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

April 2005 Sampling Event

Well ID	Detection Limit	Standards and Guidance Values	MW-6R	MW-13A	MW-14	MW-17	MW-18	042705/042805
Date Sampled			4/27-28/2005	4/27-28/2005	4/27-28/2005	4/27-28/2005	4/27-28/2005	4/27-28/2005
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	**5.6**	**5.7**
Metals								
Chromium	10	50	<10	<10	<10	NS	<10	<10
Copper	10	200	10	14	16	NS	<10	15
Lead	10	25	<10	<10	13	NS	<10	<10
Zinc	10	2,000	12	20	15	NS	13	13
Polychlorinted 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 2005 Sampling Event

Well ID	Detection Limit	Standards and Guidance Values	MW-6R	MW-13A	MW-14	MW-17	MW-18	102005/102105
Date Sampled			10/20-21/2005	10/20-21/2005	10/20-21/2005	10/20-21/2005	10/20-21/2005	10/20-21/2005
Sample Type			Primary	Primary	Primary	Primary	Primary	Duplicate of MW-6R
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	**7.1**	<1
Metals								
Chromium	10	50	<10	<10	<10	NS	<10	<10
Copper	10	200	<10	<10	<10	NS	<10	<10
Lead	10	25	<10	<10	<10	NS	<10	<10
Zinc	10	2,000	13	<10	<10	NS	<10	<10
Polychlorinted Biphenyls								
Aroclor 1016	0.05	0.09	<0.1	<0.1	<0.1	NS	<0.1	<0.1
Aroclor 1221	0.05	0.09	<0.1	<0.1	<0.1	NS	<0.1	<0.1
Aroclor 1232	0.05	0.09	<0.1	<0.1	<0.1	NS	<0.1	<0.1
Aroclor 1242	0.05	0.09	0.13	<0.1	<0.1	NS	<0.1	<0.1
Aroclor 1248	0.05	0.09	<0.1	<0.1	<0.1	NS	<0.1	<0.1
Aroclor 1254	0.05	0.09	<0.1	<0.1	<0.1	NS	<0.1	<0.1
Aroclor 1260	0.05	0.09	<0.1	<0.1	<0.1	NS	<0.1	<0.1

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

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Analytes	MW-3	MW-6R	MW-13A	MW-14	MW-17	MW-18	DUP-1	DUP Well
Volatile Organic Compounds								
cis-1,2-Dichloroethene								
Feb/March 1999	<5	<5	<5	<5	<5	<5	<5	MW-18
Sep-99	<5	<5	<5	<5	**7**	<5	<5	MW-13A
Mar-00	<5	<5	<5	<5	<5	<5	<5	MW-13A
Sep-00	<5	<5	<5	<5	**5.2**	<5	**5**	MW-17
Mar-01	NS-1	<5	<5	<5	**8.9**	<5	**9.2**	MW-17
Sep-01	NS-1	<5	<5	<5	**7.4**	<5	**7.4**	MW-17
Mar-02	NS-1	<1	<1	<1	NS-2	<1	<1	MW-13A
Sep-02	NS-1	<1	<1	<1	NS-2	<1	<1	MW-6R
Apr-03	NS-1	<1	<1	<1	NS-2	<1	<1	MW-18
Oct-03	NS-1	<1	<1	<1	NS-2	<1	<1	MW-18
Apr-04	NS-1	<1	<1	<1	NS-2	<1	<1	MW-14
Oct-04	NS-1	<1	<1	<1	NS-2	<1	<1	MW-13A
Apr-05	NS-1	<1	<1	<1	NS-2	<1	<1	MW-18
Oct-05	NS-1	<1	<1	<1	NS-2	<1	<1	MW-6R
trans-1,2-Dichloroethene								
Feb/March 1999	<5	<5	<5	<5	<5	<5	<5	MW-18
Sep-99	<5	<5	<5	<5	<5	<5	<5	MW-13A
Mar-00	<5	<5	<5	<5	<5	<5	<5	MW-13A
Sep-00	<5	<5	<5	<5	<5	<5	<5	MW-17
Mar-01	NS-1	<5	<5	<5	<5	<5	<5	MW-17
Sep-01	NS-1	<5	<5	<5	<5	<5	<5	MW-17
Mar-02	NS-1	<1	<1	<1	NS-2	<1	<1	MW-13A
Sep-02	NS-1	<1	<1	<1	NS-2	<1	<1	MW-6R
Apr-03	NS-1	<1	<1	<1	NS-2	<1	<1	MW-18
Oct-03	NS-1	<1	<1	<1	NS-2	<1	<1	MW-18
Apr-04	NS-1	<1	<1	<1	NS-2	<1	<1	MW-14
Oct-04	NS-1	<1	<1	<1	NS-2	<1	<1	MW-13A
Apr-05	NS-1	<1	<1	<1	<1	<1	<1	MW-18
Oct-05	NS-1	<1	<1	<1	<1	<1	<1	MW-6R
Trichloroethylene								
Feb/March 1999	<5	<5	<5	<5	<5	<5	<5	MW-18
Sep-99	<5	<5	<5	<5	**25**	<5	<5	MW-13A
Mar-00	<5	<5	<5	<5	**22**	<5	<5	MW-13A
Sep-00	<5	<5	<5	<5	**22**	<5	**25**	MW-17
Mar-01	NS-1	<5	<5	<5	**24**	<5	**25**	MW-17
Sep-01	NS-1	<5	<5	<5	**16**	<5	**16**	MW-17
Mar-02	NS-1	<1	<1	<1	NS-2	<1	<1	MW-13A
Sep-02	NS-1	<1	<1	<1	NS-2	<1	<1	MW-6R
Apr-03	NS-1	<1	<1	<1	NS-2	<1	<1	MW-18
Oct-03	NS-1	<1	<1	<1	NS-2	<1	<1	MW-18
Apr-04	NS-1	<1	<1	<1	NS-2	<1	<1	MW-14
Oct-04	NS-1	<1	<1	<1	NS-2	<1	<1	MW-13A
Apr-05	NS-1	<1	<1	<1	NS-2	<1	<1	MW-18
Oct-05	NS-1	<1	<1	<1	NS-2	<1	<1	MW-6R

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Analytes		MW-3	MW-6R	MW-13A	MW-14	MW-17	MW-18	DUP-1	DUP Well
Vinyl Chloride									
	Feb/March 1999	<2	<2	<2	<2	<2	<2	<2	MW-18
	Sep-99	<2	<2	<2	<2	<2	<2	<2	MW-13A
	Mar-00	<5	<5	<5	<5	<5	<5	<5	MW-13A
	Sep-00	<5	<5	<5	<5	<5	<5	<5	MW-17
	Mar-01	NS-1	<2	<2	<2	<2	<2	<2	MW-17
	Sep-01	NS-1	<5	<5	<5	<5	<5	<5	MW-17
	Mar-02	NS-1	<1	<1	<1	NS-2	<2	<1	MW-13A
	Sep-02	NS-1	<1	<1	<1	NS-2	**2.6**	<1	MW-6R
	Apr-03	NS-1	<1	<1	<1	NS-2	**3.9**	**3.8**	MW-18
	Oct-03	NS-1	<1	<1	<1	NS-2	**6.1**	**6.1**	MW-18
	Apr-04	NS-1	<1	<1	<1	NS-2	**3.5**	<1	MW-14
	Oct-04	NS-1	<1	<1	<1	NS-2	**7.0**	<1	MW-13A
	Apr-05	NS-1	<1	<1	<1	NS-2	**5.6**	**5.7**	MW-18
	Oct-05	NS-1	<1	<1	<1	NS-2	**7.1**	<1	MW-6R
Metals									
Chromium									
	Feb/March 1999	4.4	19.9	7.8 B	20.4	4	**60.1**	15	MW-18
	Sep-99	4.6 B	2.2 B	4.8 E	<10	21 B	19.4	6 B	MW-13A
	Mar-00	<10	<10	19	<10	<10	<10	<10	MW-13A
	Sep-00	<10	<10	<10	<10	<10	<10	<10	MW-17
	Mar-01	NS-1	<10	<10	<10	<10	<10	<10	MW-17
	Sep-01	NS-1	23	<10	<10	<10	<10	NS	MW-17
	Mar-02	NS-1	<10	<10	<10	NS-2	<10	<10	MW-13A
	Sep-02	NS-1	<10	200	<10	NS-2	<10	<10	MW-6R
	Apr-03	NS-1	<10	<10	<10	NS-2	<10	<10	MW-18
	Oct-03	NS-1	<10	<10	<10	NS-2	<10	<10	MW-18
	Apr-04	NS-1	<10	<10	<10	NS-2	<10	<10	MW-14
	Oct-04	NS-1	<10	<10	<10	NS-2	<10	<10	MW-13A
	Apr-05	NS-1	<10	<10	<10	NS-2	<10	<10	MW-18
	Oct-05	NS-1	<10	<10	<10	NS-2	<10	<10	MW-6R
Copper									
	Feb/March 1999	16.8	45	47.8	47.9	16 B	109	41.6	MW-18
	Sep-99	6.1 B	6.7 B	5.3 B	6 B	ND	29.1	7.6 B	MW-13A
	Mar-00	<10	<10	<10	<10	<10	<10	<10	MW-13A
	Sep-00	<10	<10	<10	<10	<10	<10	<10	MW-17
	Mar-01	NS-1	<10	<10	<10	<10	<10	<10	MW-17
	Sep-01	NS-1	58	<10	<10	<10	<10	NS	MW-17
	Mar-02	NS-1	11	14	<10	NS-2	<10	<10	MW-13A
	Sep-02	NS-1	<10	20	<10	NS-2	<10	<10	MW-6R
	Apr-03	NS-1	34	<10	<10	NS-2	<10	<10	MW-18
	Oct-03	NS-1	17	14	27	NS-2	11	14	MW-18
	Apr-04	NS-1	<10	<10	12	NS-2	<10	<10	MW-14
	Oct-04	NS-1	<10	<10	<10	NS-2	<10	<10	MW-13A
	Apr-05	NS-1	10	14	16	NS-2	<10	15	MW-18
	Oct-05	NS-1	<10	<10	<10	NS-2	<10	<10	MW-6R

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Analytes	MW-3	MW-6R	MW-13A	MW-14	MW-17	MW-18	DUP-1	DUP Well
Lead								
Feb/March 1999	5.5	7.4	9.2	7.9	2.4 B	**35.6**	5.4	MW-18
Sep-99	4	3.6	2.28	<5	<5	9.3	4.3	MW-13A
Mar-00	<5	<5	<5	<5	<5	<5	<5	MW-13A
Sep-00	<5	<5	<5	<5	<5	<5	<5	MW-17
Mar-01	NS-1	<5	<5	<5	<5	<5	<5	MW-17
Sep-01	NS-1	23	<10	<10	<10	<10	NS	MW-17
Mar-02	NS-1	<10	<10	<10	NS-2	<10	<10	MW-13A
Sep-02	NS-1	<10	<10	<10	NS-2	<10	<10	MW-6R
Apr-03	NS-1	14	<10	<10	NS-2	<10	<10	MW-18
Oct-03	NS-1	13	<10	10	NS-2	<10	10	MW-18
Apr-04	NS-1	<10	<10	<10	NS-2	<10	<10	MW-14
Oct-04	NS-1	<10	<10	<10	NS-2	<10	<10	MW-13A
Apr-05	NS-1	<10	<10	13	NS-2	<10	<10	MW-18
Oct-05	NS-1	<10	<10	<10	NS-2	<10	<10	MW-6R
Zinc								
Feb/March 1999	15.1	49.5	38.1	36	14.6 B	172	36.6	MW-18
Sep-99	16.1 B	26.5	10.7 B	6.5 B	7.1 B	51.2	13.8 B	MW-13A
Mar-00	13	26	29	28	13	16	24	MW-13A
Sep-00	38	47	47	42	57	58	58	MW-17
Mar-01	NS-1	19	10	15	32	21	18	MW-17
Sep-01	NS-1	140	<10	<10	<10	22	NS	MW-17
Mar-02	NS-1	64	18	<10	NS-2	<10	<10	MW-13A
Sep-02	NS-1	29	92	20	NS-2	<10	35	MW-6R
Apr-03	NS-1	100	<10	29	NS-2	11	14	MW-18
Oct-03	NS-1	24	19	100	NS-2	17	31	MW-18
Apr-04	NS-1	<10	29	17	NS-2	18	20	MW-14
Oct-04	NS-1	19	12	<10	NS-2	<10	17	MW-13A
Apr-05	NS-1	12	20	15	NS-2	13	13	MW-18
Oct-05	NS-1	13	<10	<10	NS-2	<10	<10	MW-6R
Polychlorinated Biphenyls								
Aroclor 1016								
Feb/March 1999	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-18
Sep-99	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Mar-00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Sep-00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
Mar-01	NS-1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
Sep-01	NS-1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-17
Mar-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
Sep-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-6R
Apr-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Oct-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Apr-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-14
Oct-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
Apr-05	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Oct-05	NS-1	<0.1	<0.1	<0.1	NS-2	<0.1	<0.1	MW-6R

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Analytes		MW-3	MW-6R	MW-13A	MW-14	MW-17	MW-18	DUP-1	DUP Well
Aroclor 1221									
	Feb/March 1999	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-18
	Sep-99	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
	Mar-00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
	Sep-00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
	Mar-01	NS-1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
	Sep-01	NS-1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-17
	Mar-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
	Sep-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-6R
	Apr-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
	Oct-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
	Apr-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-14
	Oct-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
	Apr-05	NS-1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-18
	Oct-05	NS-1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	MW-6R
Aroclor 1232									
	Feb/March 1999	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-18
	Sep-99	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
	Mar-00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
	Sep-00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
	Mar-01	NS-1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
	Sep-01	NS-1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-17
	Mar-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
	Sep-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-6R
	Apr-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
	Oct-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
	Apr-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-14
	Oct-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
	Apr-05	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
	Oct-05	NS-1	<0.1	<0.1	<0.1	NS-2	<0.1	<0.1	MW-6R
Aroclor 1242									
	Feb/March 1999	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-18
	Sep-99	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
	Mar-00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
	Sep-00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
	Mar-01	NS-1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
	Sep-01	NS-1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-17
	Mar-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
	Sep-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-6R
	Apr-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
	Oct-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
	Apr-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-14
	Oct-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
	Apr-05	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
	Oct-05	NS-1	**0.13**	<0.1	<0.1	NS-2	<0.1	<0.1	MW-6R

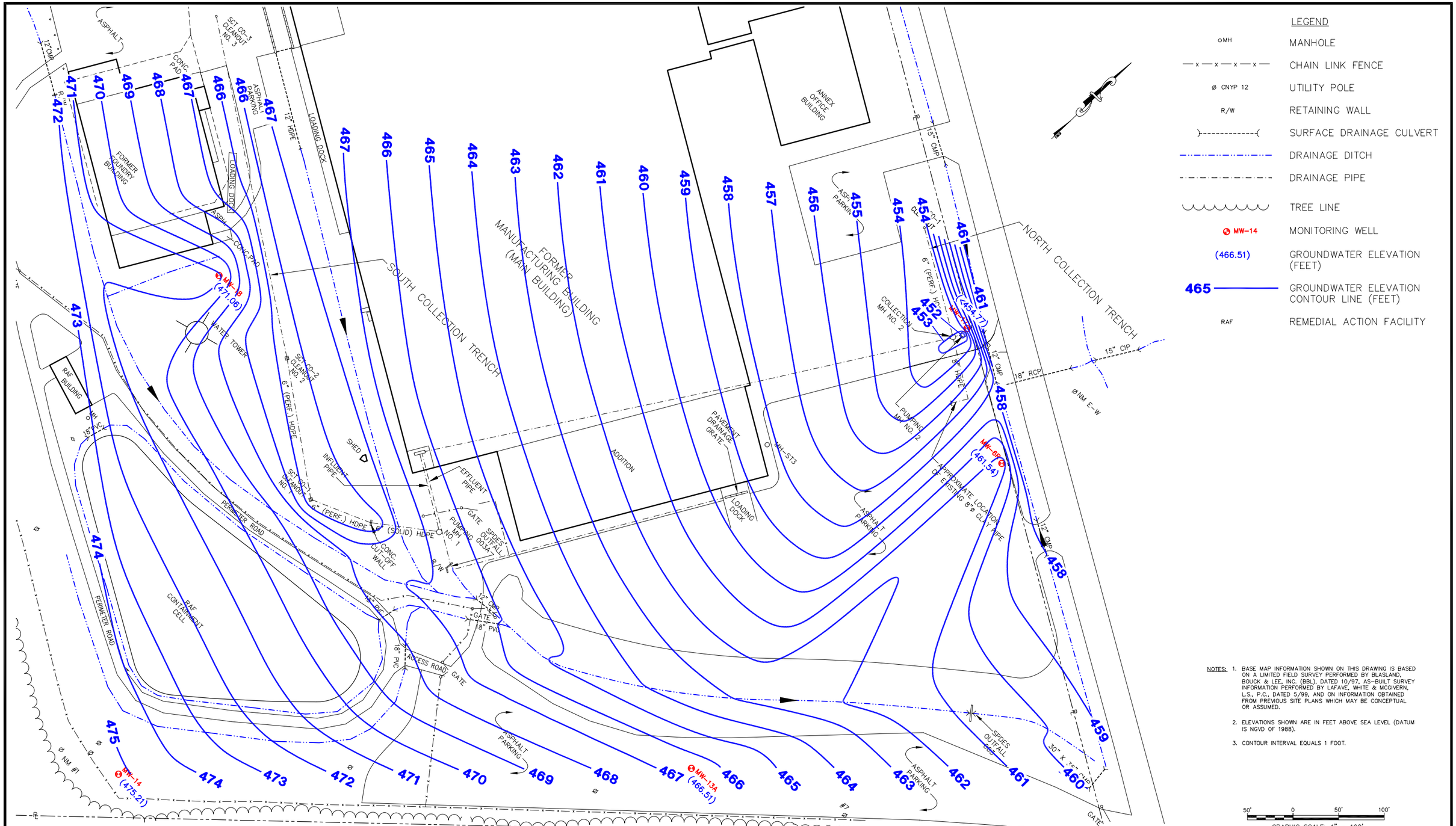
TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Analytes	MW-3	MW-6R	MW-13A	MW-14	MW-17	MW-18	DUP-1	DUP Well
Aroclor 1248								
Feb/March 1999	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-18
Sep-99	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Mar-00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Sep-00	0.46 C	1.2 C	<0.05	0.62 C	<0.05	0.15 C	0.19 C	MW-17
Mar-01	NS-1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
Sep-01	NS-1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-17
Mar-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
Sep-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-6R
Apr-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Oct-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Apr-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-14
Oct-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
Apr-05	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Oct-05	NS-1	<0.1	<0.1	<0.1	NS-2	<0.1	<0.1	MW-6R
Aroclor 1254								
Feb/March 1999	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-18
Sep-99	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Mar-00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Sep-00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
Mar-01	NS-1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
Sep-01	NS-1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-17
Mar-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
Sep-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-6R
Apr-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Oct-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Apr-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-14
Oct-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
Apr-05	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Oct-05	NS-1	<0.1	<0.1	<0.1	NS-2	<0.1	<0.1	MW-6R
Aroclor 1260								
Feb/March 1999	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-18
Sep-99	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Mar-00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Sep-00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
Mar-01	NS-1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	MW-17
Sep-01	NS-1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-17
Mar-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
Sep-02	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-6R
Apr-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Oct-03	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Apr-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-14
Oct-04	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-13A
Apr-05	NS-1	<0.05	<0.05	<0.05	NS-2	<0.05	<0.05	MW-18
Oct-05	NS-1	<0.1	<0.1	<0.1	NS-2	<0.1	<0.1	MW-6R

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.

X: CP-BASE
P: BL
4/25/06
SYNAPSE/WIP/DANA 01-04/2005OP&M/DANAB01.DWG

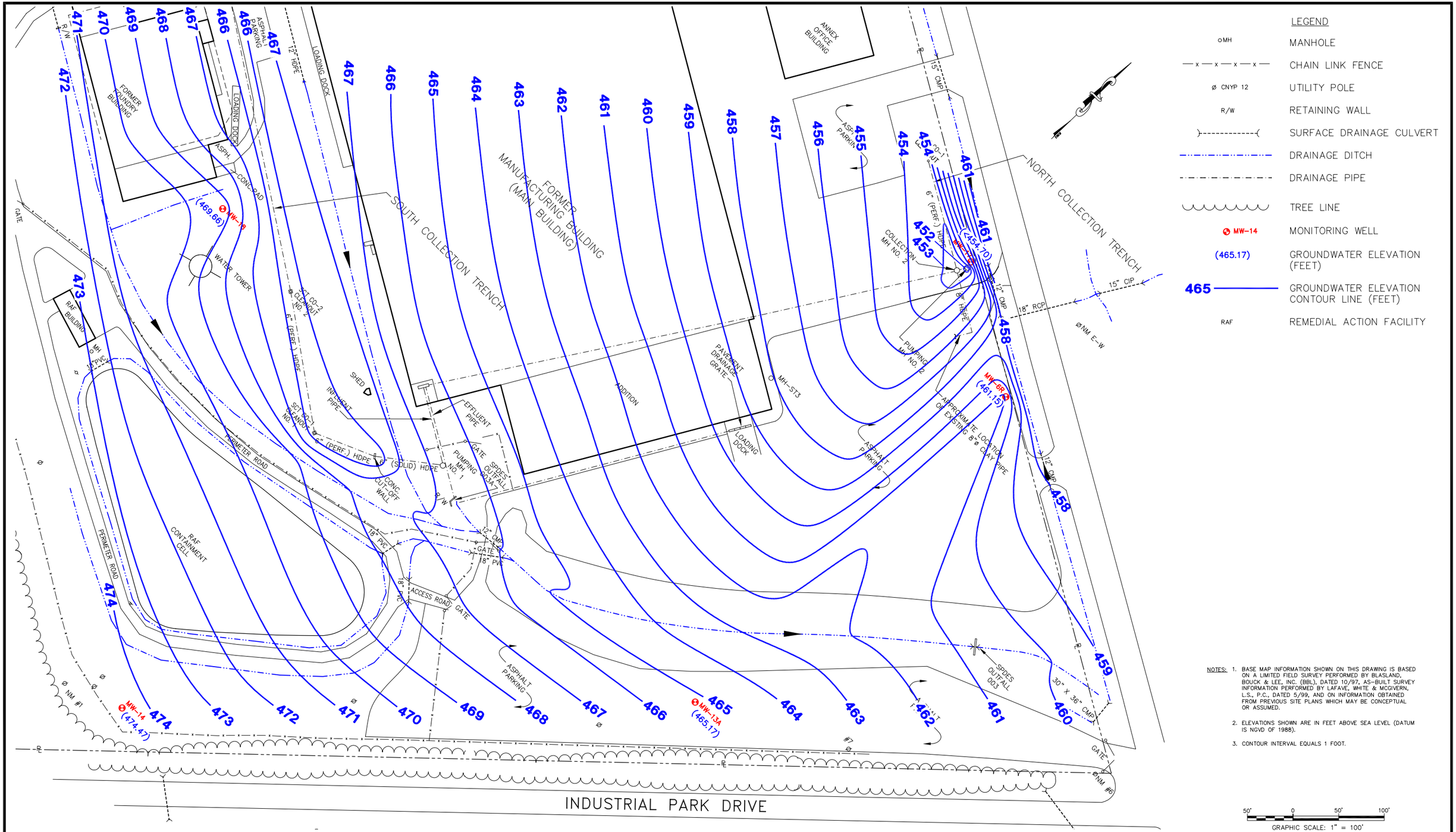
synapse
SYNAPSE RISK MANAGEMENT, LLC
400 UNIVERSITY BUILDING
120 EAST WASHINGTON STREET
SYRACUSE, NEW YORK 13202

2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP APRIL 27, 2005

PROJECT NO.: DANA 01-04
DATE: APRIL 2006
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.

50' 0 50' 100'

GRAPHIC SCALE: 1" = 100'

X: CP-BASE
P: BL
4/25/06
SYNAPSE/WIP/DANA 01-04/20050P&M/DANAB02.DWG

synapse

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2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP OCTOBER 20, 2005

PROJECT NO.: DANA 01-04
DATE: APRIL 2006
FIGURE NO.: 4-2

5.0 PROPERTY STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM

UHC was issued a SPDES permit (No. NY0257087) for the Property on September 1, 2002, with two subsequent modifications issued by NYSDEC, dated August 1, 2003, and November 20, 2003. On behalf of UHC, Synapse has been tasked to administer the scheduled technical and reporting requirements set forth in the SPDES Permit.

The SPDES Permit is specific to activities conducted at the Property, including the Coolidge owned Main Building, and permits water discharge from three outfalls as depicted in Figure 5-1 – SPDES Outfall 001 Manhole Plan and Section, Figure 5-2 – SPDES Outfall 002 Manhole Plan and Section, and Figure 5-3 – SPDES Outfall 003 Plan and Section. Approximately 92% of the water discharged at these outfalls is stormwater from overland flow and building roof leaders. A portion of the remaining contribution is from CPTC's Outfall 03A, permitted under SPDES Permit No. NY0108537 (see Section 6.4). The following section reviews Outfall contributions and construction, routine monitoring and subsequent results, specialized studies and testing, as well as, unscheduled maintenance.

5.1 Outfall Contributions

Water contributions that discharge via the three permitted SPDES outfalls are as follows:

Outfall 001

- Building roof leaders;
- Parking lot catch basin;
- Boiler blowdown (periodic);
- Sprinkler system drains (periodic); and
- Air conditioning condensate (during warm weather).

Outfall 002

- Building roof leaders;
- Parking lot catch basins,
- Boiler blowdown (periodic);
- Sprinkler system drains (periodic); and
- Air conditioning condensate (during warm weather).

Outfall 003

- Building roof leaders;
- Stormwater from overland flow, including that from the RAF;
- Parking lots;
- Boiler blowdown (periodic);
- Sprinkler system drains (periodic);
- Air conditioning condensate (during warm weather); and
- Post treated effluent from the GTS via Outfall 03A (SPDES Permit No. NY0108537).

Figure 5-4 – Stormwater System Partial Plan, depicts the numerous source points and areas, particularly from the Main Building, that contribute water to each outfall.

5.2 Outfall Construction

The three SPDES outfalls were located and constructed to facilitate collection of effluent samples and flow measurements representative of actual discharge conditions at the Property. The construction of each outfall is provided below.

Outfall 001

Construction activities for the Outfall 001 monitoring location were conducted between April 16 and April 26, 2002, and incorporated the following:

- Pavement and soil was excavated to install Outfall 001 at an area in the western parking lot where an existing drainage pipes, a 24-inch corrugated metal pipe (CMP) and a 24-inch vitrified clay pipe (VCP) intersected, approximately 5 feet below ground surface (bgs);
- A prefabricated 5-foot diameter cast concrete manhole base, with influent and effluent pipe penetrations, was placed in line with the existing subsurface drainage pipes and grouted;
- An 8-inch thick concrete cover, with a cast iron access cover, was installed to complete the manhole structure, followed by engineered fill and paving;
- A stainless steel, sharp edged, 120-degree, V-notch weir was installed at the effluent side of the manhole. The weir was fastened to the floor and sidewalls of the manhole utilizing concrete fasteners and sealed with grout;
- A 2-inch diameter, schedule 80, PVC flow measurement port was affixed adjacent to the weir, and calibrated to allow measurements of effluent flow rates based on the water level flowing over the weir; and
- A NYSDEC-approved sign was posted at the outfall outlet.

A detailed drawing of SPDES Outfall 001 Manhole is presented on Figure 5-1. Ultimately, the water is discharged further west of the monitoring point, into the unnamed creek, Area 1.

Outfall 002

The Outfall 002 monitoring location was constructed from an existing 10.5-foot deep, 4- foot diameter red brick manhole near the northwestern corner of the Main Building. A 24-inch VCP, that is the part of the northern stormwater system, is sectioned by this manhole. As such, effluent flowing through the manhole was accessible and measurable upon application of the following upgrades:

- A stainless steel sharp edge, 120-degree, V-notch weir was installed adjacent to the effluent 24-inch VCP, at the bottom of the manhole. The weir was fastened to the floor and sidewalls of the manhole utilizing concrete fasteners and sealed with grout;
- A 2-inch diameter, schedule 80, PVC flow measurement port was affixed adjacent to the weir, and effluent flow rates were calibrated based on the water level flowing over the weir; and
- A NYSDEC-approved sign was posted on the bank, adjacent to the outfall outlet.

A detailed drawing of SPDES Outfall 002 Manhole is presented on Figure 5-2. Ultimately, the water is discharged further west of the monitoring point, into the unnamed creek, Area 1.

Outfall 003

The Outfall 003 monitoring location was constructed in an existing unnamed tributary to the Mohawk River, Area 14, at the northeastern extent of the Property as follows:

- A 12-inch HDPE pipe was installed within a concrete headwall spanning the width of the tributary forcing 100% of the normal flow through the pipe. Samples are collected and parameters measured directly from the effluent end of the 12-inch HDPE pipe;

- A monitoring port was installed adjacent to the concrete headwall to facilitate flow measurement data collection representative of actual discharge conditions. The monitoring port was constructed by installing a horizontal 2-inch PVC pipe at a measured elevation adjacent to the influent side of the headwall. This horizontal pipe connects (via a 90 degree elbow) to a vertical riser extending several feet above grade adjacent to the tributary. The water level of the tributary, and thus the flow rate, can be measured from this monitoring port; and

- A NYSDEC-approved sign was posted on the bank adjacent to the outfall outlet.

A detailed drawing of SPDES Outfall 003 is presented on Figure 5-3.

5.3 Monitoring

A primary regulatory requirement of the Property SPDES permit is to monitor concentrations of select constituents and physical parameters in the outfall effluent. A schedule of routine monitoring of effluent from Outfalls 001, 002, and 003 has been prescribed by NYSDEC, as discussed in Section 5.3.1. In addition, two non-routine monitoring/sampling programs have been prescribed for by NYSDEC, to include, PCB Congeners and Acute Toxicity, as discussed in Sections 5.3.2 and 5.3.3, respectively.

5.3.1 Routine Monitoring

August and November 2003 modifications to the Permit have resulted in minor changes to the monitoring parameters and/or their scheduled monitoring frequencies. The current routine monitoring parameters and sampling frequencies, as prescribed for each outfall, are summarized in the following table:

Parameter	Units	Monitoring Frequency		
		Outfall 001	Outfall 002	Outfall 003
pH	S.U.	Once/2 weeks	Once/2 weeks	Once/2 weeks
Flow (in-situ measurement)	gpd	Once/2 weeks	Once/2 weeks	Once/2 weeks
Temperature	^{0}F	Once/2 weeks	Once/2 weeks	Once/2 weeks
Oil & Grease	mg/l	Monthly	Monthly	Monthly
Total Suspended Solids (TSS)	mg/l	Once/2 weeks	Once/2 weeks	Once/2 weeks
Total Residual Chloride	ug/l	NR	NR	Once/2 weeks
Phenolics	ug/l	Monthly	Monthly	Monthly
Antimony	ug/l	Quarterly	NR	NR
Chromium	ug/l	Semi-Annual	NR	NR
Copper	ug/l	Once/2 weeks	NR	NR
Fluoride	ug/l	Semi-Annual	Semi-Annual	NR
Lead	ug/l	Semi-Annual	NR	Semi-Annual
Zinc	ug/l	Semi-Annual	NR	Semi-Annual
Chloroform	ug/l	Once/2 weeks	NR	Once/2 weeks
cis 1,2-dichloroethylene	ug/l	Once/2 weeks	NR	Once/2 weeks
Trans 1,2- dichloroethylene	ug/l	Once/2 weeks	NR	Once/2 weeks
Trichloroethylene	ug/l	Once/2 weeks	NR	Once/2 weeks
Vinyl chloride	ug/l	NR	NR	Once/2 weeks
PCBs	ng/l	NR	NR	Quarterly

Notes:

S.U. = Standard Units
^{0}F = Degrees Fahrenheit
mg/l = milligrams per liter, approximately equal to parts per million (ppm)
ug/l = micrograms per liter, approximately equal to parts per billion (ppb)
ng/l = nanograms per liter, approximately equal to parts per trillion (ppt)
NR = Not Required

Analytical data and real-time measurements obtained from the 2005 routine monitoring events are summarized in Table 5-1 – Cumulative Summary of SPDES Monitoring Results. This data was also reduced and reported in monthly DMRs for submittal to NYSDEC.

Results from routine monitoring events were compared to effluent compliance levels set in the Permit. There were no excursions of compliance levels for the above parameters in 2005, with the exception of detected oil and grease, and total phenolics concentrations in certain samples. These excursions were reported to the NYSDEC Region 6, Division of Water representative, Steven Botsford or Richard Coriale, P.E., by telephone followed by written notification, with an accompanying evaluation and recommendations. Details of the excursions that were reported during the 2005 monitoring period are provided below:

- Oil & grease was detected at a concentration of 23 mg/l in the monthly effluent sample collected from Outfall 001 on February 9, 2005. This value exceeded the Permit compliance level of 15 mg/l. Upon receipt of the laboratory analytical report, Synapse verbally notified NYSDEC Region 6, of this concentration. Given the historic oil & grease analytical data gathered since the effective date of the Permit, this result is sporadic, possibly attributable to the Main Building and/or the parking lot catch basins connected to the outfall.

- The total recoverable phenolics daily maximum allowable level of 28 ug/l at the Outfall 001 and Outfall 002 were exceeded during one monthly monitoring event. Concentrations of 100 ug/l and 76 ug/l were detected in samples collected on June 2, 2005 from Outfalls 001 and Outfalls 002, respectively. Upon receipt of the laboratory analytical report, Synapse verbally notified NYSDEC Region 6 of this concentration. Given the historic analytical data since the effective date of the Permit, this result appears to be an anomaly and cannot be attributed to any known conditions or activities conducted at the site. Subsequent phenolic exceedances have not been detected in Outfall 001 or Outfall 002.

5.3.2 EPA Method 1668A PCB Study

Pursuant to the August 2003 SPDES Permit Modification, a three-year study of PCB congeners was required at Outfall 003. Using USEPA Method 1668A, sampling and analysis of 209 PCB congeners was conducted at Outfall 003 on a quarterly basis. The final two quarterly sampling events were conducted in 2005. The PCB congeners study obligation, under the August 2003 SPDES Permit modification, began October 2002 and was concluded in May 2005.

One grab sample was collected from Outfall 003 during the monitoring events listed below and was split for the purpose of collecting parallel PCB congener/aroclor data. One sample was submitted to Alta Analytical Perspectives in Wilmington, North Carolina for analysis of PCB Congeners in accordance with USEPA Method 1668A and the other sample was submitted to LSL for analysis of PCB aroclors in accordance with USEPA Method 608. As indicated in the August 2003 Permit modification, PCB compliance is determined using the SUEPA Method 608 analytical results as there are no compliance levels set in the Permit for PCB congeners. Analytical results for USEPA Method 1668A are transmitted to NYSDEC in both digital and printed formats for internal review.

The submittal of the May 2005 results for PCB congeners analyzed in accordance with USEPA Method 1668A constituted the final sampling and reporting event for the three-year study as per the SPDES Permit. During the three year study, PCB congeners analyzed by USEPA Method 1668A were consistently detected in the picograms per liter (pg/l) (parts per quadrillion) range, as outlined below.

Summary of Detected Congeners
Three-Year Quarterly PCB Congeners Study

Sample Date	Total Detected PCB Congeners (pg/L)
Oct-02	7824
Jan-03	2641
Apr-03	6504
Jun-03	4546
Aug-03	5028
Dec-03	3449
Mar-04	3009
Jul-04	4134
Oct-04	2137
Dec-04	2631
Feb-04	3562
May-05	3765

Notes: 1) Reported concentrations represent sample results minus concentration detected in the method blank.

Concentrations of PCB aroclors were never detected above EPA Method 608 detection/reporting limits of 50 ng/l (parts per trillion) during any of the study's 12 quarterly sampling events.

5.3.3 Acute Toxicity Testing

Pursuant to the original September 2002 SPDES Permit and the August 2003 SPDES Permit Modification, a Tier 1 acute toxicity testing program is required at Outfalls 001, 002, and 003. The Tier 1 toxicity testing program is intended to identify acute toxicity of the effluent from the outfalls.

Using analytical method EPA/600/4-90/027F, sampling and analysis of acute toxicity of effluent utilizing the vertebrate, Fathead Minnow (*Pimephales promelas*) and invertebrate, Water Flea (*Ceriodaphnia dubia*) test species, respectively, is required on a quarterly basis at Outfalls 001 and 002 during calendar years ending in 3 and 8, and at Outfall 003 on a quarterly basis during calendar years ending in 0 and 5.

The toxicity testing programs for Outfalls 001 and 002 were initiated during the first quarter of 2003, and as such, four sampling events were conducted at each outfall for the year. NYSDEC's evaluation of 2003 Tier 1 Acute toxicity test data, documented in a letter dated January 27, 2004, concluded:

> For Outfall 001, all tests indicated that no toxicity was present with LC50 values > 100%**,** however, the September 2003 report did indicate 25% mortality in 100% effluent, although this was not considered to be statistically significant. For Outfall 002, half the tests indicated that unacceptable toxicity was present, with LC50 values ranging from 73.20% to >100%.

Given 2003 analytical results, NYSDEC required that toxicity testing continue through 2004. Each acute toxicity sampling event involved two days (48 hours) in which an automated sampling device was used to collect two composite samples, one for each day. The automatic sampling device was programmed to collect a specific volume of water hourly during each 24-hour sampling period. The samples were delivered to AquaTox Research, Inc., a NYSDEC-approved laboratory, located in Syracuse, New York, for acute toxicity analysis. Analytical results were provided to NYSDEC upon receipt.

Based on the 2004 Tier 1 acute toxicity testing results at Outfall 001, which identified a mortality rate of 0%, additional Tier 1 acute toxicity testing at Outfall 001 is not required by NYSDEC until calendar year 2008. Given that half of the 2004 tests indicated unacceptable toxicity for *Ceriodaphnia dubia* for Outfall 002, NYSDEC required that Tier 1 acute toxicity testing be conducted at Outfall 002 for an additional year (2005) for *Ceriodaphnia dubia*, and reevaluated accordingly.

Summary of 2005 Quarterly Results

Pursuant to the aforementioned NYSDEC Tier 1 acute toxicity testing requirements for Outfall 002, and SPDES Permit requirements for Outfall 003, quarterly Tier 1 acute toxicity testing was conducted in 2005 at Outfalls 002 and 003 as follows:

- Outfall 002 - Ceriodaphnia dubia; and
- Outfall 003 - Ceriodaphnia dubia and Pimephales promelas.

Summarized in the table below are the 48-hr LC_{50} test results each of the four quarterly sampling events conducted in 2005 at Outfalls 002 and 003.

Outfall	Test Organism	1st Quarter 48-hr LC_{50}	2nd Quarter 48-hr LC_{50}	3rd Quarter 48-hr LC_{50}	4th Quarter 48-hr LC_{50}
002	Ceriodaphnia dubia	70.7%	>100%	>100%	>100%
003	Ceriodaphnia dubia	>100%	>100%	>100%	>100%
003	Pimephales promelas	>100%	>100%	>100%	>100%

As indicated in the above table, the 48-hr LC_{50} test result for Ceriodaphnia dubia at Outfall 002 during the 1st quarter was below the Permit-specified survival rate of 95%. The three subsequent quarterly 48-hr LC_{50} test results for Ceriodaphnia dubia at Outfall 002 were greater than 100%, providing data indicating the Ceriodaphnia dubia survival rate has attained a sustainable level.

Based on these 2005 test results, additional Tier 1 acute toxicity testing at Outfalls 002 and 003 is not required by NYSDEC until calendar years 2008 and 2010, respectively. These testing events would be scheduled for years that follow renewal of the existing SPDES Permit, which expires in September 2007.

5.4 Summary

UHC was issued a SPDES permit for Outfalls 001, 002, and 003 on September 1, 2002. During 2003, NYSDEC issued two modifications to the SPDES Permit, as discussed earlier. On behalf of UHC, Synapse has been conducting the technical and reporting requirements set forth in the SPDES Permit.

Data collected from the 2005 routine monitoring and sampling events indicate target constituents and field parameters have not been consistently identified, at any of the outfalls, above their respective enforceable compliance levels. Anomalous exceptions and or excursions from the enforceable compliance levels have been evaluated and not believed to be a consistent threat to the environment. As such, it is recommended that routine monitoring be continued as scheduled.

Acute toxicity testing of Outfalls 002 and 003 was performed quarterly in 2005 as required by NYSDEC. The final three quarterly results indicate 100% survival rates for Outfall 002 and all four quarterly results indicate 100% survival rates for Outfall 003. These results indicate acceptable survival rates and as such conclude the toxicity testing program through the term of the current SPDES Permit.

5.5 Tables

TABLE 5-1
CUMULATIVE SUMMARY OF SPDES MONITORING RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
SPDES NO. NY-0257087

Monitoring Period	ECL		September 2002				October 2002				November 2002					December 2002			
Monitoring Date	Daily Max	Units	9/6/2002	9/11/2002	9/16/2002	9/23/2002	10/3/2002	10/10/2002	10/16/2002	10/25/2002	11/1/2002	11/6/2002	11/11/2002	11/22/2002	11/27/2002	12/5/2002	12/13/2003	12/20/2003	12/27/2003
Sampler ID			rsn	bhm	bhm	rrc	rsn	bhm	bhm	rsn	rrc	rsn	rrc/rsn	rsn	rsn	rrc	bhm	bhm	rrc
SPDES Outfall 001																			
Flow Rate	Monitor	gpd	HTW	3505	15801	2314	7530	152	185634	<152	152	35901	HTW	HTW	13987	2314	30835	35901	21739
Temperature	90	ºF		67	71		66		57			47		53		49	46		
pH	6.0-9.0	SU		7.6	7.3		7.1		7.0			6.7		7.0		6.6	7.9		
Solids, Total Suspended	10 (dry)	mg/l		<4	<4		<4		15			<4		<4		14	15		
	50 (wet)																		
cis-1,2-Dichloroethylene	10	ug/l		7.9	1		1		2.7			<1		3.6		<1	<1		
trans-1,2-Dichloroethylene	10	ug/l		<1	<1		<1		<1			<1		<1		<1	<1		
Trichloroethylene	10	ug/l		1.1	<1		<1		<1			<1		<1		<1	<1		
Chloroform	46	ug/l		<1	<1		<1		<1			<1		<1		<1	<1		
Copper, Total	100	ug/l		73	34		55		50			20		25		11	24		
Oil & Grease	15	mg/l		<5			8.3					<5				<5			
Phenolics, Total	28	ug/l		<20			<20					<20				<20			
Antimony, Total	300	ug/l		<10												<10			
Chromium, Total	51	ug/l		22															
Fluoride, Total	2500	ug/l		340															
Lead, Total	13	ug/l		<10															
Zinc, Total	210	ug/l		72															
SPDES Outfall 002																			
Flow Rate	Monitor	gpd	43871	47168	50610	43871	47168	47168	528383	29476	27001	166744	34824	HTW	HTW	27001	88412	133097	27001
Temperature	90	ºF		70	72		70		52			45	47			49	46		
pH	6.0-9.0	SU		8.8	8.4		8.2		7.1			7.3	8.5			8.6	8.1		
Solids, Total Suspended	10 (dry)	mg/l		<4	<4		<4		<4			<4	<4			<4	<4		
	50 (wet)																		
Oil & Grease	15	mg/l		<5			11					<5				<5			
Phenolics, Total	24	ug/l		<20			<20					<20				<20			
Fluoride, Total	1500	ug/l		1000															
SPDES Outfall 003																			
Flow Rate	Monitor	gpd	6943	20829	83314	48600	36450	35345	198367	24300	18225	116640	36450	194400	48600	48600	42261	116640	29160
Temperature	90	ºF		64.2	70.3		65.5		51.3			44	58			35	44		
pH	6.0-9.0	SU		7.6	7.7		7.4		7.1			7.1	7.2			7.6	6.9		
Solids, Total Suspended	10 (dry)	mg/l		6	<4		<4		<4			<4	<4			<4	<4		
	50 (wet)																		
Chlorine, Total Residual	100	ug/l		80	70		70		85			20	80			50	50		
cis-1,2-Dichloroethylene	10	ug/l		<1	1.1		1.9		<1			4	<1			4.9	8.3		
trans-1,2-Dichloroethylene	10	ug/l		<1	<1		<1		<1			<1	<1			<1	<1		
Trichloroethylene	10	ug/l		<1	<1		<1		<1			<1	<1			<1	<1		
Vinyl Chloride	10	ug/l		<1	<1		<1		<1			<1	<1			<1	<1		
Chloroform	46	ug/l		<1	<1		<1		<1			<1	<1			<1	<1		
Oil & Grease	15	mg/l		<5			6.6					<5				<5			
Phenolics, Total	44	ug/l		<20			<20					<20				<20			
PCBs, Aroclors (Compliance)	300	ng/l							<50										
PCBs, Congeners (1668A Study)	NA	pg/l							7824										
Lead, Total	10	ug/l		<10															
Zinc, Total	120	ug/l		<10															

Notes:

1. ECL = Effluent Compliance Level.
2. gpd = gallons per day.
3. ºF = Degrees Farenheit.
4. SU = Standard Units.
5. mg/l = milligrams per liter, approximately equivalent to parts per million (ppm).
6. ug/l = micrograms per liter, approximately equivalent to parts per billion (ppb).
7. ng/l = nanograms per liter, approximately equivalent to parts per trillion (ppt).
8. pg/l = picograms per liter, approximately equivalent to parts per quadrillion (ppq).
9. HTW = High Tail Water.
10. No Flow = No measurable discharge.
11. E = Estimated.
12. NA = Not analyzed.
13. Bolded values exceed permit effluent compliance levels.

TABLE 5-1
CUMULATIVE SUMMARY OF SPDES MONITORING RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
SPDES NO. NY-0257087

Monitoring Period	ECL		January 2003				February 2003				March 2003					April 2003				May 2003				
Monitoring Date	Daily Max	Units	12/30/2002	1/10/2003	1/17/2003	1/24/2003	1/29/2003	2/3/2003	2/10/2003	2/18/2003	2/25/2003	3/7/2003	3/12/2003	3/19/2003	3/25/2003	4/4/2003	4/11/2003	4/16/2003	4/25/2003	5/2/2003	5/9/2003	5/15/2003	5/23/2003	5/29/2003
Sampler ID			bhm	bhm	bhm	bhm	rsn	rsn/sjm	sjm	rrc/sjm	sjm	rsn	bhm	rrc/pmf	rrc/bhm	rrc	pmf	rsn	rrc	rrc	sjm	bhm	sjm	bhm

SPDES Outfall 001

Flow Rate	Monitor	gpd	26116	HTW	152	No Flow	<152	6112	<152	<152	HTW	HTW	2160	HTW	HTW	2880 E	HTW	<1440 E	<1440 E	41320	<1440 E	928	<1440 E	743
Temperature	90	ºF			41	35		46		40			43		54			56	52				58	60
pH	6.0-9.0	SU			7.0	7.2		7.0		7.1			7.1		7.2			7.0	7.2				7.0	6.9
Solids, Total Suspended	10 (dry)	mg/l			10	**51**		<4		5			17		7			45	5				31	10
	50 (wet)																							
cis-1,2-Dichloroethylene	10	ug/l			1	<0.5		1		4			4		6			<1	<1				<1	<1
trans-1,2-Dichloroethylene	10	ug/l			<1	<0.5		<1		<1			<1		<1			<1	<1				<1	<1
Trichloroethylene	10	ug/l			<1	<0.5		<1		1			<1		2			<1	<1				<1	<1
Chloroform	46	ug/l			<1	<0.5		<1		<1			<1		<1			<1	<1				<1	<1
Copper, Total	100	ug/l			22	<10		53		21			16		<10			17	16				22	19
Oil & Grease	15	mg/l			<5			<5					<5					13						<5
Phenolics, Total	28	ug/l			<20			<20					<20					<20						<2
Antimony, Total	300	ug/l																<10						
Chromium, Total	51	ug/l																<10						
Fluoride, Total	2500	ug/l																540						
Lead, Total	13	ug/l																<10						
Zinc, Total	210	ug/l																99						

SPDES Outfall 002

Flow Rate	Monitor	gpd	22434	HTW	1582	No Flow	574	11643	HTW	10241	HTW	208	3966	HTW	HTW	2880 E	HTW	844	37	47168	101	364	1582	<250 E
Temperature	90	ºF			49	38		48		45			48		53			54	51				58	60
pH	6.0-9.0	SU			7.0	7.6		7.0		7.4			6.7		7.3			7.3	7.2				7.7	7.1
Solids, Total Suspended	10 (dry)	mg/l			<4	7		<4		<4			<4		11			7	11				5	10
	50 (wet)																							
Oil & Grease	15	mg/l			<5			<5					8					12						<5
Phenolics, Total	24	ug/l			<20			<20					<20					<20						<2
Fluoride, Total	1500	ug/l																460						

SPDES Outfall 003

Flow Rate	Monitor	gpd	53018	53018	25357	7200 E	7200 E	14400 E	48600	2880 E	13886	23328	18225	83314	97200	7200 E	144000 E	24300 E	291600 E	172800 E	20000 E	64800	15247	28800
Temperature	90	ºF		40		33		40		33			38		58			59	51				61	66
pH	6.0-9.0	SU		7.1		7.5		7.1		7.5			7.4		7.2			7.3	7.4				7.5	7.4
Solids, Total Suspended	10 (dry)	mg/l		<4		5		<4		<4			<4		<4			4	NA				<4	9
	50 (wet)																							
Chlorine, Total Residual	100	ug/l		70		60		70		47			50		60			10	60				30	40
cis-1,2-Dichloroethylene	10	ug/l		6		3		3		8			8		5			<1	2				<1	<1
trans-1,2-Dichloroethylene	10	ug/l		<1		<0.5		<1		<1			<1		<1			<1	<1				<1	<1
Trichloroethylene	10	ug/l		6		<0.5		<1		2			9		3			<1	<1				<1	<1
Vinyl Chloride	10	ug/l		<1		<0.5		<1		<1			<1		<1			<1	<1				<1	<1
Chloroform	46	ug/l		<1		<0.5		<1		<1			<1		<1			<1	<1				<1	<1
Oil & Grease	15	mg/l		<5				<5					<5					<5						<5
Phenolics, Total	44	ug/l		<20				<20					<2					<20						<2
PCBs, Aroclors (Compliance)	300	ng/l		<50														<50						
PCBs, Congeners (1668A Study)	NA	pg/l		2641														4268						
Lead, Total	10	ug/l																<10						
Zinc, Total	120	ug/l																<10						

Notes:

1. ECL = Effluent Compliance Level.
2. gpd = gallons per day.
3. ºF = Degrees Farenheit.
4. SU = Standard Units.
5. mg/l = milligrams per liter, approximately equivalent to parts per million (ppm).
6. ug/l = micrograms per liter, approximately equivalent to parts per billion (ppb).
7. ng/l = nanograms per liter, approximately equivalent to parts per trillion (ppt).
8. pg/l = picograms per liter, approximately equivalent to parts per quadrillion (ppq).
9. HTW = High Tail Water.
10. No Flow = No measurable discharge.
11. E = Estimated.
12. NA = Not analyzed.
13. Bolded values exceed permit effluent compliance levels.

TABLE 5-1
CUMULATIVE SUMMARY OF SPDES MONITORING RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
SPDES NO. NY-0257087

Monitoring Period	ECL		June 2003				July 2003				August 2003				September 2003		October 2003		November 2003		December 2003	
Monitoring Date	Daily Max	Units	6/4/2003	6/11/2003	6/18/2003	6/25/2003	7/2/2003	7/9/2003	7/17/2003	7/23/2003	8/1/2003	8/6/2003	8/13/2003	8/29/2003	9/8/2003	9/23/2003	10/8/2003	10/23/2003	11/5/2003	11/21/2003	12/5/2003	12/17/2003
Sampler ID			sjm	sjm	sjm	pmf/bhm	sjm	pmf/bhm	sjm	rsn	sjm/bhm	bhm	rrc	sjm	bhm	bhm	bhm	sjm	sjm	bhm	rsn	rsn
SPDES Outfall 001																						
Flow Rate	Monitor	gpd	<1440 E	4770	<1440 E	<1440 E	<1440 E	11676	<1440 E	12253	64800	4713	<1440 E	<1440 E	<1440 E	32112	626	<4114E	<4114 E	HTW	<4114 E	<20736 E
Temperature	90	ºF	60		61			66		69	66		68	74	69	65	68	51	55	54	44	43
pH	6.0-9.0	SU	7.0		7.4			7.3		7.2	6.6		6.8	7.2	7.4	7.0	6.8	6.8	7.4	6.5	6.8	6.8
Solids, Total Suspended	10 (dry)	mg/l	39		30			46		<4	<4		<4	30	15	<4	<4	8	6	7	21	<4
	50 (wet)																					
cis-1,2-Dichloroethylene	10	ug/l	<1		1			1		<1	<1		4	<1	<1	<1	<1	<1	<1	2	<1	<1
trans-1,2-Dichloroethylene	10	ug/l	<1		<1			<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1		<1			<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1		<1			<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper, Total	100	ug/l	<10		13			27		62	41		29	26	14	15	26	17	14	<10	12	14
Oil & Grease	15	mg/l			**22**			<5			<5				<5		<5			<5		**24**
Phenolics, Total	28	ug/l			<20			<20			<20				<20		<20			<20		<20
Antimony, Total	300	ug/l			<10									<10								<10
Chromium, Total	51	ug/l			<10																	<10
Fluoride, Total	2500	ug/l			380																	240
Lead, Total	13	ug/l			<10																	<10
Zinc, Total	210	ug/l			44																	38
SPDES Outfall 002																						
Flow Rate	Monitor	gpd	101	3247	1582	208	101	56	<1440 E	18366	126908	HTW	101	101	37	34824	208	208	11643	HTW	HTW	HTW
Temperature	90	ºF	61		66			68		70	66		68	74	69	66	68	53	56	60	48	47
pH	6.0-9.0	SU	7.3		7.2			6.5		7.0	6.6		6.8	7.8	7.2	6.9	7.0	7.2	7.4	6.6	6.9	6.7
Solids, Total Suspended	10 (dry)	mg/l	<4		<4			<4		<4	<4		9	15	<4	<4	<4	7	<4	4	<4	<4
	50 (wet)																					
Oil & Grease	15	mg/l			<5			<5			<5				<5		<5			9		**16**
Phenolics, Total	24	ug/l			<20			<20			<20				<20		<20			<20		<20
Fluoride, Total	1500	ug/l			150																	200
SPDES Outfall 003																						
Flow Rate	Monitor	gpd	21600	18514	17280	15549	6480	18783	11782	74057	94255	47127	14811	28800	9969	103680	13642	15247	25920	43200	25920	37029
Temperature	90	ºF	64		64			67		70	65		72	73	71	64	63	45	52	48	35	42
pH	6.0-9.0	SU	7.5		7.6			7.2		7.1	7.3		7.4	7.7	7.8	7.2	7.6	7.6	7.1	7.1	7.3	6.8
Solids, Total Suspended	10 (dry)	mg/l	<4		<4			<4		<4	<4		<4	<4	<4	<4	<4	<4	<4	4	4	<4
	50 (wet)																					
Chlorine, Total Residual	100	ug/l	50		50			50		60	70		50	50	50	80	50	30	50	90	30	50
cis-1,2-Dichloroethylene	10	ug/l	<1		<1			<1		2	<1		<1	<1	<1	1	<1	<1	2	3	10	6
trans-1,2-Dichloroethylene	10	ug/l	<1		<1			<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1		<1			<1		<1	<1		<1	<1	<1	<1	<1	<1	1	2	8	1
Vinyl Chloride	10	ug/l	<1		<1			<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1		<1			<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Oil & Grease	15	mg/l			6			<5			<5				<5		<5			8		<5
Phenolics, Total	44	ug/l			<20			<20			<20				<20		<20			<20		<20
PCBs, Aroclors (Compliance)	300	ng/l			<50								<50									<50
PCBs, Congeners (1668A Study)	NA	pg/l			6283								4546									3449
Lead, Total	10	ug/l			<10																	<10
Zinc, Total	120	ug/l			<10																	11

Notes:

1. ECL = Effluent Compliance Level.
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7. ng/l = nanograms per liter, approximately equivalent to parts per trillion (ppt).
8. pg/l = picograms per liter, approximately equivalent to parts per quadrillion (ppq).
9. HTW = High Tail Water.
10. No Flow = No measurable discharge.
11. E = Estimated.
12. NA = Not analyzed.
13. Bolded values exceed permit effluent compliance levels.

TABLE 5-1
CUMULATIVE SUMMARY OF SPDES MONITORING RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
SPDES NO. NY-0257087

Monitoring Period	ECL		January '04			February '04		March '04		April '04		May '04		June '04	
Monitoring Date	Daily Max	Units	12/31/2003	1/13/2004	1/30/2004	2/12/2004	2/27/2004	3/10/2004	3/24/2004	4/7/2004	4/22/2004	5/6/2004	5/18/2004	6/1/2004	6/18/2004
Sampler ID			sjm	sjm	rsn	sjm	bhm	rsn	sjm	rsn	rsn	rsn	rsn	rsn	rsn
SPDES Outfall 001															
Flow Rate	Monitor	gpd	3600 E	5760	4114	770 E	626	1775 E	2880E	2880E	5722E	3497E	1377E	3292E	4770E
Temperature	90	ºF	46	46	42	44	40	44	46	44	58	53	66	64	66
pH	6.0-9.0	SU	6.3	6.8	6.6	7.4	6.6	6.8	6.6	6.8	6.3	6.4	6.8	6.8	6.6
Solids, Total Suspended	10 (dry)	mg/l	5	5	<4	<4	9	7	6	9	<4	<4	7	<4	<4
	50 (wet)														
cis-1,2-Dichloroethylene	10	ug/l	1	<1	<1	<1	2	2	4	1	<1	<1	<1	1	1
trans-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	1	<1	<1
Chloroform	46	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper, Total	100	ug/l	18	33	20	25	17	25	32	28	35	32	25	29	30
Oil & Grease	15	mg/l	<5				<5	<5		<5			<5		<5
Phenolics, Total	28	ug/l	<20				<20	<20		<20			<20		<20
Antimony, Total	300	ug/l						<10							
Chromium, Total	51	ug/l													
Fluoride, Total	2500	ug/l													
Lead, Total	13	ug/l													
Zinc, Total	210	ug/l													
SPDES Outfall 002															
Flow Rate	Monitor	gpd	28800 E	43871	32084	5672	1178	3247	8947	8947	3966	2058	208	2058	3966E
Temperature	90	ºF	49	41	36	46	43	50	49	51	57	54	68	66	69
pH	6.0-9.0	SU	6.3	7.5	7.6	6.9	7.3	6.9	6.8	7.4	6.5	6.5	7.2	6.9	6.2
Solids, Total Suspended	10 (dry)	mg/l	<4	<4	<4	<4	<4	6	<4	8	<4	<4	<4	<4	<4
	50 (wet)														
Oil & Grease	15	mg/l	<5				<5	<5		<5			<5		6
Phenolics, Total	24	ug/l	<20				<20	<20		<20			<20		<20
Fluoride, Total	1500	ug/l													
SPDES Outfall 003															
Flow Rate	Monitor	gpd	32400	47127	21600	8361	5400	51840	32400	25920	51840	39273	10327	33188	33010E
Temperature	90	ºF	43	34	33	37	36	48	51	45	60	56	75	71	73
pH	6.0-9.0	SU	6.1	6.9	7.1	7.1	7.0	6.8	7.4	7.1	7.0	6.9	7.0	7.3	7.1
Solids, Total Suspended	10 (dry)	mg/l	<4	<4	<4	4	17	5	<4	<4	<4	<4	<4	<4	<4
	50 (wet)														
Chlorine, Total Residual	100	ug/l	50	30	20	30	40	50	50	30	60	30	10	30	20
cis-1,2-Dichloroethylene	10	ug/l	4	11	2	5	2	3	3	2	1	<1	<1	<1	<1
trans-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	3	3	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Oil & Grease	15	mg/l	<5				<5	<5		<5			<5		<5
Phenolics, Total	44	ug/l	<20				<20	<20		<20			<20		<20
PCBs, Aroclors (Compliance)	300	ng/l						<50							
PCBs, Congeners (1668A Study)	NA	pg/l													
Lead, Total	10	ug/l													
Zinc, Total	120	ug/l													

Notes:

1. ECL = Effluent Compliance Level.
2. gpd = gallons per day.
3. ºF = Degrees Farenheit.
4. SU = Standard Units.
5. mg/l = milligrams per liter, approximately equivalent to ppm.
6. ug/l = micrograms per liter, approximately equivalent to ppb.
7. ng/l = nanograms per liter, approximately equivalent to parts per trillion (ppt).
8. pg/l = picograms per liter, approximately equivalent to parts per quadrillion (ppq).
9. HTW = High Tail Water.
10. No Flow = No measurable discharge.
11. E = Estimated.
12. NA = Not analyzed.
13. Bolded values exceed permit effluent compliance levels.

TABLE 5-1
CUMULATIVE SUMMARY OF SPDES MONITORING RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
SPDES NO. NY-0257087

Monitoring Period	ECL		July 2004			August 2004		September 2004			October 2004		November 2004		December 2004	
Monitoring Date	Daily Max	Units	6/30/2004	7/15/2004	7/29/2004	8/13/2004	8/26/2004	9/10/2004	9/22/2004	9/23/2004	10/6/2004	10/20/2004	11/3/2004	11/15/2004	11/30/2004	12/17/2004
Sampler ID			rrc	rrc	rrc	sjm	rrc	sjm	sjm	sjm	sjm	sjm	sjm	sjm	sjm	sjm
SPDES Outfall 001																
Flow Rate	Monitor	gpd	4770E	2314E	1196E	26111	3505	2314	1196		0	1196	5200	1140	HTW	2880
Temperature	90	ºF	19	67	71	70	64	68	68		62	56	55	49	51	48
pH	6.0-9.0	SU	6.8	6.8	6.8	6.6	6.9	6.5	6.3		6.2	7.4	6.5	7.0	7.2	7.1
Solids, Total Suspended	10 (dry)	mg/l	10	<4	6	<4	5	<4	<4		<4	<4	6	<4	<4	14
	50 (wet)															
cis-1,2-Dichloroethylene	10	ug/l	<1	1	4	<1	<1	2	<1		<1	<1	<1	1	2.2	1.4
trans-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1
Copper, Total	100	ug/l	50	34	43	29	17	41	38		<10	20	62	**420**	<10	<10
Oil & Grease	15	mg/l	<5			<5	9	<5			<5	**26**	<5	<5		<5
Phenolics, Total	28	ug/l	<20			<20	<20	<20			<20	<20	<20	<20		<20
Antimony, Total	300	ug/l		<10			<10	13				<10		<10		
Chromium, Total	51	ug/l					42							<10		
Fluoride, Total	2500	ug/l					410							930		
Lead, Total	13	ug/l					<10							<10		
Zinc, Total	210	ug/l					58							<10		
SPDES Outfall 002																
Flow Rate	Monitor	gpd	1178E	3247E	3966E	50610	1178	3247	37		208	2612	2058	208	HTW	2058
Temperature	90	ºF	19	68	69	72	64	67	71		66	57	57	55	54	49
pH	6.0-9.0	SU	7.2	7.1	6.8	6.6	7.3	6.9	6.9		6.9	7.9	5.8	7.3	7.8	7.0
Solids, Total Suspended	10 (dry)	mg/l	<4	<4	<4	<4	<4	<4	9.0		4.0	<4	<4	<4	<4	<4
	50 (wet)															
Oil & Grease	15	mg/l	<5			<5	10	<5			<5	**45**	6	<5		<5
Phenolics, Total	24	ug/l	<20			<20	<20	<20			<20	<20	<20	<20		<20
Fluoride, Total	1500	ug/l					380							490		
SPDES Outfall 003																
Flow Rate	Monitor	gpd	20000E	21000	33200E	75000	25000	15549		10540	8934	8640	23542	10800	37008	21600
Temperature	90	ºF	25	75	71	70	70	66		69	61	50	51	42	48	37
pH	6.0-9.0	SU	7.6	7.5	7.8	7.1	7.7	6.6		6.4	6.7	7.5	6.4	7.6	7.7	7.1
Solids, Total Suspended	10 (dry)	mg/l	<4	<4	<4	<4	<4	<4		<4	<4	<4	12	8	<4	<4
	50 (wet)															
Chlorine, Total Residual	100	ug/l	30	40	30	60	65	30		40	60	50	20	70	50	40
cis-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	1	<1	<1		<1	<1	<1	<1	<1	2.1	3.8
trans-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	10	ug/l	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1
Oil & Grease	15	mg/l	<5			<5	<5	<5			<5	<5	5	<5		<5
Phenolics, Total	44	ug/l	<20			<20	**79**	<20			<20	<20	<20	<20		<20
PCBs, Aroclors (Compliance)	300	ng/l		<50			<50					<50		<50		<50
PCBs, Congeners (1668A Study)	NA	pg/l		4134								2137				2761
Lead, Total	10	ug/l					<10							<10		
Zinc, Total	120	ug/l					<10							<10		

Notes:

1. ECL = Effluent Compliance Level.
2. gpd = gallons per day.
3. ºF = Degrees Farenheit.
4. SU = Standard Units.
5. mg/l = milligrams per liter, approximately equivalent to parts per million (ppm).
6. ug/l = micrograms per liter, approximately equivalent to parts per billion (ppb).
7. ng/l = nanograms per liter, approximately equivalent to parts per trillion (ppt).
8. pg/l = picograms per liter, approximately equivalent to parts per quadrillion (ppq).
9. HTW = High Tail Water.
10. No Flow = No measurable discharge.
11. E = Estimated.
12. NA = Not analyzed.
13. Bolded values exceed permit effluent compliance levels.

TABLE 5-1
CUMULATIVE SUMMARY OF SPDES MONITORING RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
SPDES NO. NY-0257087

Monitoring Period	ECL		January '05			February '05		March '05		April '05		May '05		June '05	
Monitoring Date	Daily Max	Units	12/28/2004	1/12-13/05	1/26 - 27/2005	2/9/2005	2/22/2005	3/7/2005	3/22/2005	4/6/2005	4/20/2005	5/4/2005	5/20/2005	6/2/2005	6/14/2005
Sampler ID			sjm	sjm	sjm	sjm	sjm	sjm	sjm	sjm	sjm	rrc	rrc	rrc	rrc
SPDES Outfall 001															
Flow Rate	Monitor	gpd	626E	9026	4770	152	21739	19677	HTW	HTW	152	1196	152	152	38566
Temperature	90	ºF	41	41	43	45	47	49	42	47	55	55	58	60	70
pH	6.0-9.0	SU	7.4	6.96	7.1	7.7	7.0	8.0	6.6	6.6	7.8	7.7	7.7	6.8	6.8
Solids, Total Suspended	10 (dry) / 50 (wet)	mg/l	4	<4	<4	<4	5	5	5.5	10	<4	10	27	42	<4
cis-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper, Total	100	ug/l	10	<10	20	29	78	31	<10	<10	83	25	<10	<10	69
Oil & Grease	15	mg/l		<5		**23**		<5		<5		<5		6.4	
Phenolics, Total	28	ug/l		<20		21		<20		<20		36		**100**	
Antimony, Total	300	ug/l				<10						<10			
Chromium, Total	51	ug/l										<10			
Fluoride, Total	2500	ug/l										310			
Lead, Total	13	ug/l										<10			
Zinc, Total	210	ug/l										76			
SPDES Outfall 002															
Flow Rate	Monitor	gpd	364	24654	6665	13153	24654	120894	HTW	HTW	364	1582	364	7	57935
Temperature	90	ºF	46	47	45	45	48	49	41	48	53	55	56	65	71
pH	6.0-9.0	SU	6.5	7.2	7.1	7.1	7.5	7.1	6.9	6.9	7.9	7.8	7.9	6.7	6.7
Solids, Total Suspended	10 (dry) / 50 (wet)	mg/l	<4	<4	<4	<4	<4	<4	5	<4	<4	4.5	<4	8.5	<4
Oil & Grease	15	mg/l		<5		<5		6.8		<5		<5		5	
Phenolics, Total	24	ug/l		<20		<20		<20		<20		29		**76**	
Fluoride, Total	1500	ug/l										230			
SPDES Outfall 003															
Flow Rate	Monitor	gpd	15247	32400	28800	32400	43200	28880	172800	24300	6480	7783	3020	3744	64800
Temperature	90	ºF	35	37	36	38	35	45	44	52	60	61	64	80	71
pH	6.0-9.0	SU	6.5	7.6	6.8	7.3	7.4	7.6	7.3	7.6	8.3	7.9	8.1	7.2	6.9
Solids, Total Suspended	10 (dry) / 50 (wet)	mg/l	<4	<4 (sampled 1/27)	<4	4.5	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chlorine, Total Residual	100	ug/l	20	30	20	40	40	90	80	40	50	50	60	30	80
cis-1,2-Dichloroethylene	10	ug/l	<1	1.2	<1	2.2	7.5	5.2	6.4	<1	<1	<1	<1	<1	1.7
trans-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	1.1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Oil & Grease	15	mg/l		<5		9		<5		<5		<5		5	
Phenolics, Total	44	ug/l		<20		<20		<20		<20		27		40	
PCBs, Aroclors (Compliance)	300	ng/l					<50					<50			
PCBs, Congeners (1668A Study)	NA	pg/l					3765								
Lead, Total	10	ug/l										<10			
Zinc, Total	120	ug/l										14			

Notes:

1. ECL = Effluent Compliance Level.
2. gpd = gallons per day.
3. ºF = Degrees Farenheit.
4. SU = Standard Units.
5. mg/l = milligrams per liter, approximately equivalent to ppm.
6. ug/l = micrograms per liter, approximately equivalent to ppb.
7. ng/l = nanograms per liter, approximately equivalent to parts per trillion (ppt).
8. pg/l = picograms per liter, approximately equivalent to parts per quadrillion (ppq).
9. HTW = High Tail Water.
10. No Flow = No measurable discharge.
11. E = Estimated.
12. NA = Not analyzed.
13. Bolded values exceed permit effluent compliance levels.

TABLE 5-1
CUMULATIVE SUMMARY OF SPDES MONITORING RESULTS

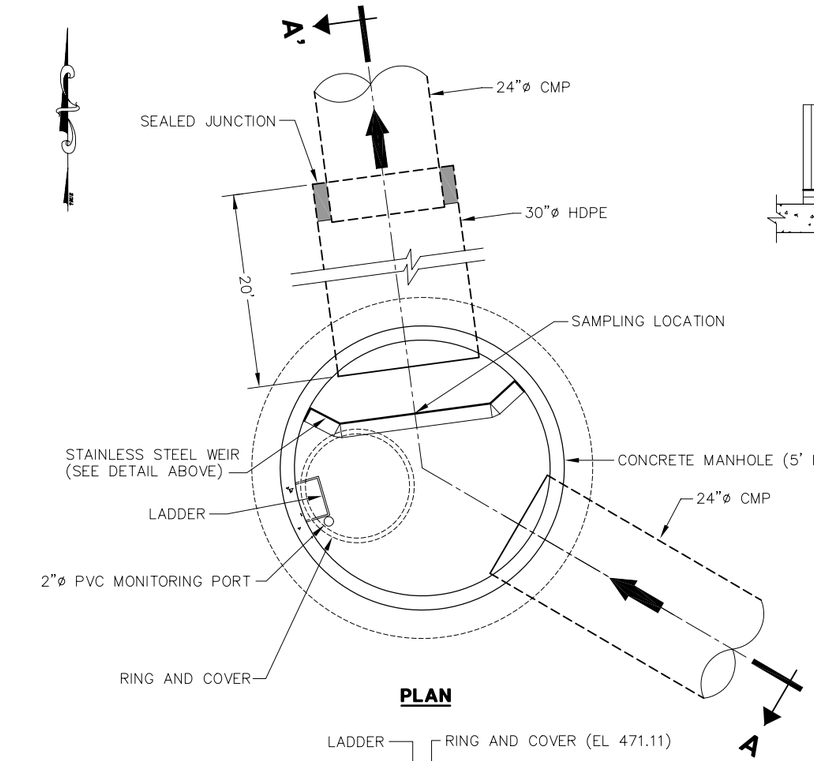
2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
SPDES NO. NY-0257087

Monitoring Period	ECL		July '05			August '05		September '05		October '05		November '05		December 2005		
Monitoring Date	Daily Max	Units	6/30/2005	7/13/2005	7/27/2005	8/10/2005	8/23/05	9/6/2005	9/22/2005	10/6/2005	10/21/2005	10/31/2005	11/15/2005	11/29/2005	12/12/2005	12/28/2005
Sampler ID			rrc	sm	bhm	sjm	sjm	sjm	rrc	sjm	sjm	sjm	sjm	sjm	sjm	rrc
SPDES Outfall 001																
Flow Rate	Monitor	gpd	3505	4770	40	80	80	152	152	0	0	50	28432	3505	0	125
Temperature	90	ºF	67	72	72	73	69	67	70	65	60	53	49	53	43	44
pH	6.0-9.0	SU	7.5	6.7	6.5	6.7	6.3	7.0	6.9	6.5	7.4	8.8	8.2	7.8	7.2	7.0
Solids, Total Suspended	10 (dry) / 50 (wet)	mg/l	27	<4	9	5	4	31	6.5	29	11	27	<4	6.5	<4	<4
cis-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2
trans-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper, Total	100	ug/l	<10	50	14	18	33	<10	35	<10	<10	<10	31	22	13	20
Oil & Grease	15	mg/l	<5			<5		<5		<5		<5		5.8		
Phenolics, Total	28	ug/l	<20			<20		<20		<20		<2		4		
Antimony, Total	300	ug/l				<10						<10				
Chromium, Total	51	ug/l										<10				
Fluoride, Total	2500	ug/l										580				
Lead, Total	13	ug/l										<10				
Zinc, Total	210	ug/l										29				
SPDES Outfall 002																
Flow Rate	Monitor	gpd	37	2612	5672	37	37	574	0	0	0	364	13153	364	0	844
Temperature	90	ºF	65	71	69	73	68	67	68	65	61	60	49	55	43	48
pH	6.0-9.0	SU	7.3	6.7	7.1	6.7	6.9	6.9	6.7	6.7	7.5	7.7	7.3	7.2	6.9	7.2
Solids, Total Suspended	10 (dry) / 50 (wet)	mg/l	5	<4	4	<4	<4	<4	<4	13	<4	8	<4	<4	<4	<4
Oil & Grease	15	mg/l	<5			<5		<5		<5		<5		6.5		
Phenolics, Total	24	ug/l	<20			<20		<20		<20		<2		2.6		
Fluoride, Total	1500	ug/l										380				
SPDES Outfall 003																
Flow Rate	Monitor	gpd	17280	2880	1100	2880	2520	6171	1728	9600	12342	17280	29950	21600	34560	21600
Temperature	90	ºF	76	77	73	80	68	65	72	64	54	55	46	53	42	47
pH	6.0-9.0	SU	7.8	7.2	7.1	7.2	7.1	6.7	6.9	7.1	7.8	8.4	6.8	7.3	7.2	7.4
Solids, Total Suspended	10 (dry) / 50 (wet)	mg/l	4.5	<4	5	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chlorine, Total Residual	100	ug/l	40	50	30	40	40	80	30	20	30	40	10	30	40	40
cis-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.8	<1	1.4	2.5
trans-1,2-Dichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethylene	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1
Vinyl Chloride	10	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	46	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Oil & Grease	15	mg/l	<5			<5		<5		5.5		<5		<5		
Phenolics, Total	44	ug/l	<20			<20		<20		<20		<2		2.6		
PCBs, Aroclors (Compliance)	300	ng/l				<0.1						<100				
PCBs, Congeners (1668A Study)	NA	pg/l										na				
Lead, Total	10	ug/l										<10				
Zinc, Total	120	ug/l										<10				

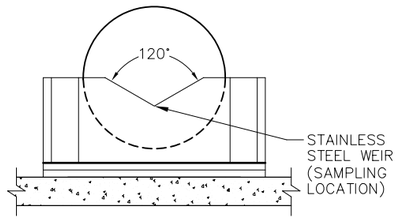
Notes:

1. ECL = Effluent Compliance Level.
2. gpd = gallons per day.
3. ºF = Degrees Farenheit.
4. SU = Standard Units.
5. mg/l = milligrams per liter, approximately equivalent to ppm.
6. ug/l = micrograms per liter, approximately equivalent to ppb.
7. ng/l = nanograms per liter, approximately equivalent to parts per trillion (ppt).
8. pg/l = picograms per liter, approximately equivalent to parts per quadrillion (ppq).
9. HTW = High Tail Water.
10. No Flow = No measurable discharge.
11. E = Estimated.
12. NA = Not analyzed.
13. Bolded values exceed permit effluent compliance levels.

5.6 Figures

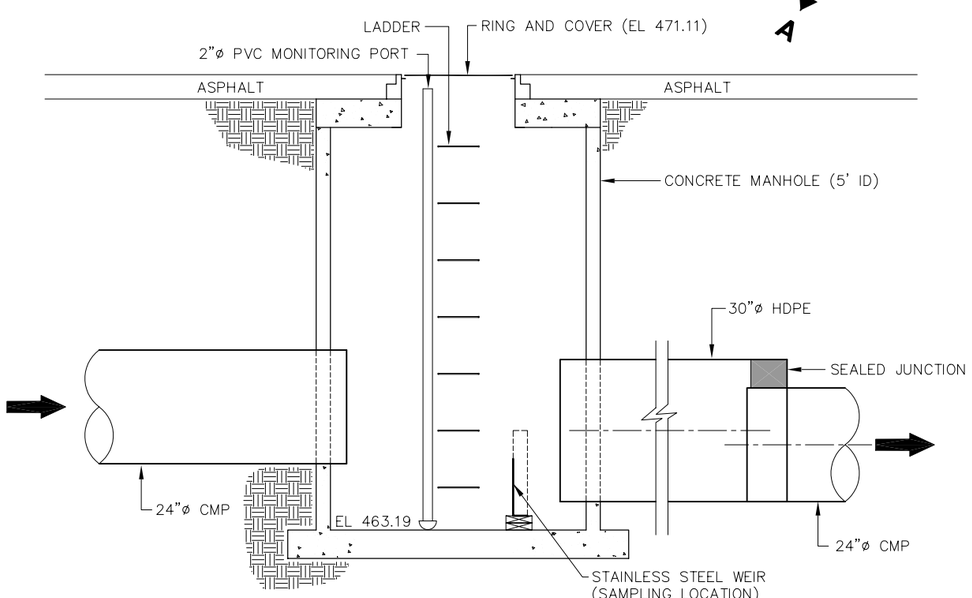


PLAN



WEIR DETAIL

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



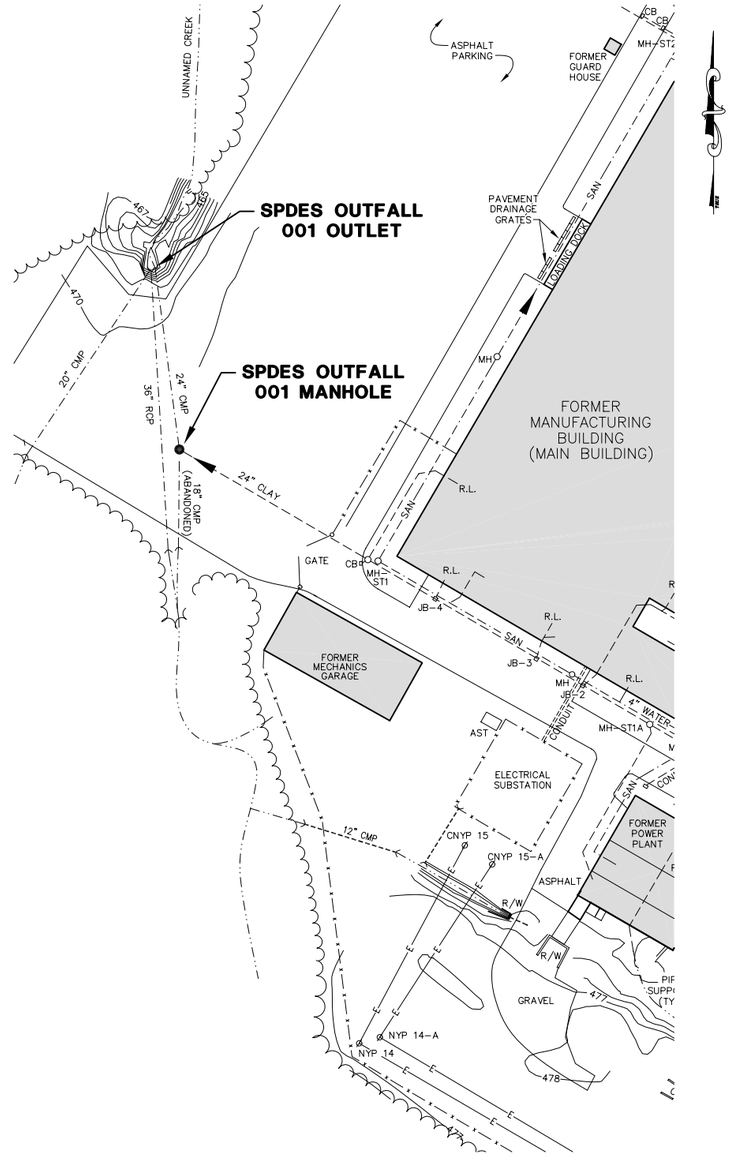
SECTION A-A'

SPDES OUTFALL 001 MANHOLE PLAN AND SECTION

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

0 2' 5'

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



MANHOLE LOCATION PLAN

SCALE: 1" = 120'

0 120' 240'

GRAPHIC SCALE: 1" = 120'

X: CP-BASE
P: BL
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB06.DWG

synapse
SYNAPSE RISK MANAGEMENT, LLC
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120 EAST WASHINGTON STREET
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2005 ANNUAL
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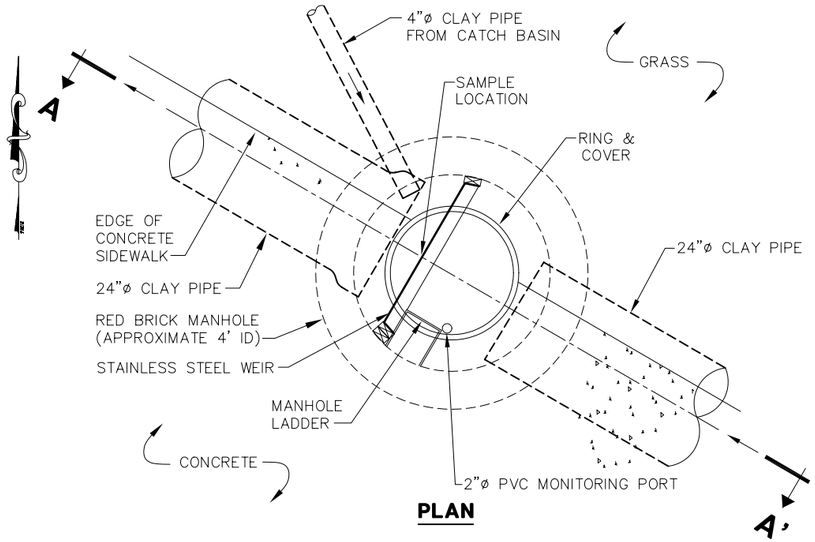
2200 BLEECKER STREET
UTICA, NEW YORK

SPDES OUTFALL 001 MANHOLE PLAN AND SECTION

PROJECT NO.: DANA 01-04

DATE: APRIL 2006

FIGURE NO.: 5-1



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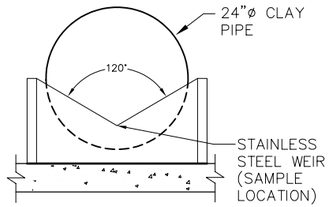
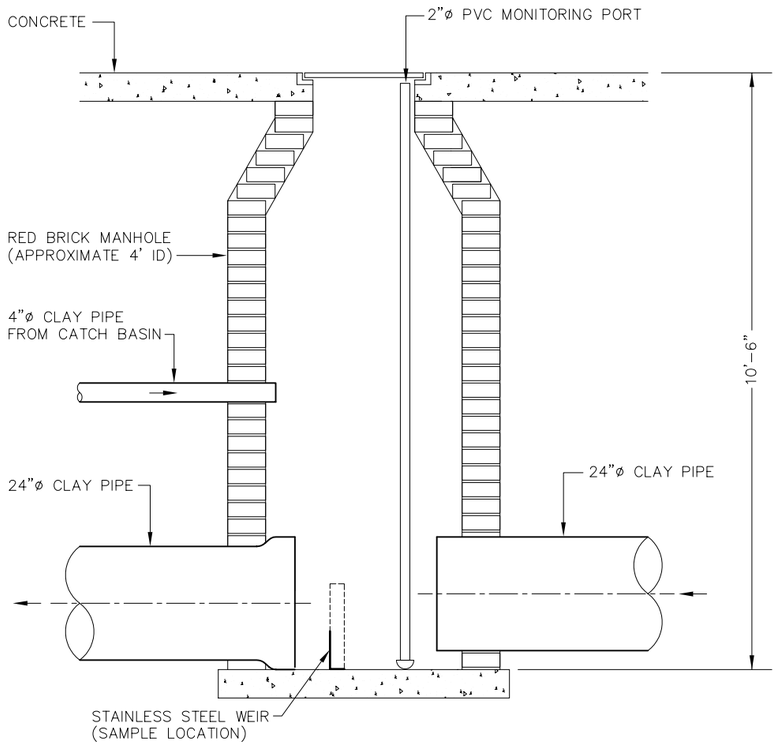


WEIR DETAIL

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



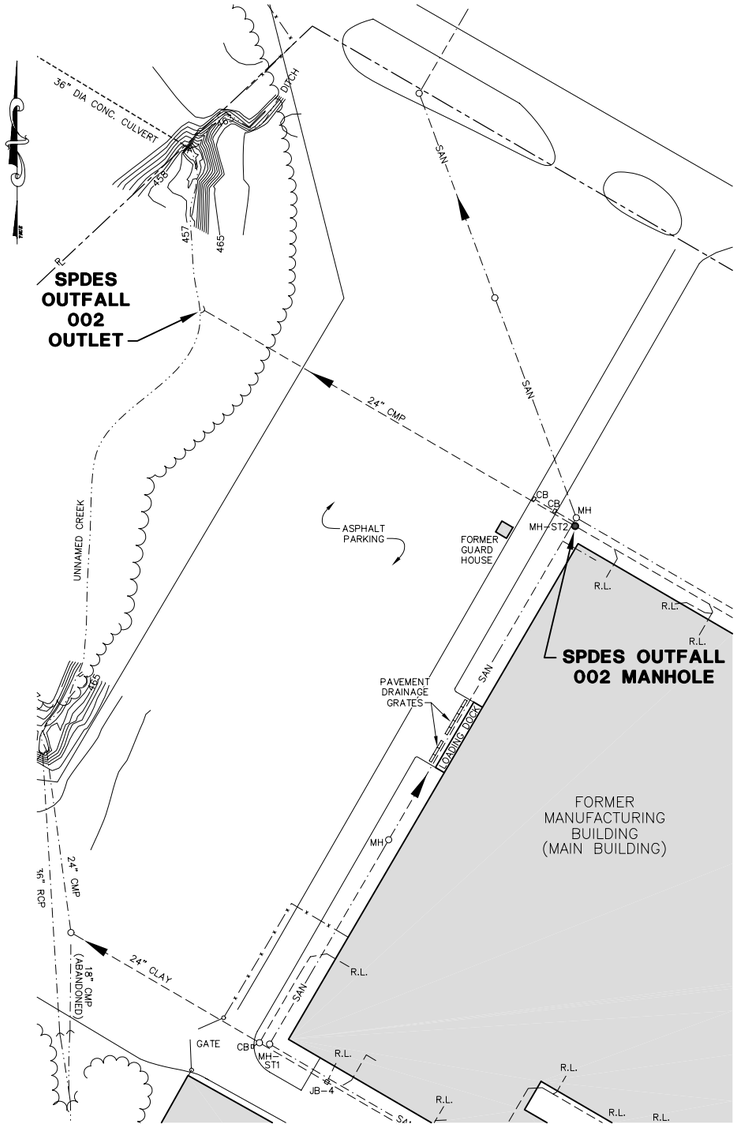
SECTION A-A'

SPDES OUTFALL 002 MANHOLE PLAN AND SECTION

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

0 2' 5'

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



MANHOLE LOCATION PLAN

SCALE: 1" = 120'

0 120' 240'

GRAPHIC SCALE: 1" = 120'

X: CP-BASE
P: D2BBW
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB07.DWG

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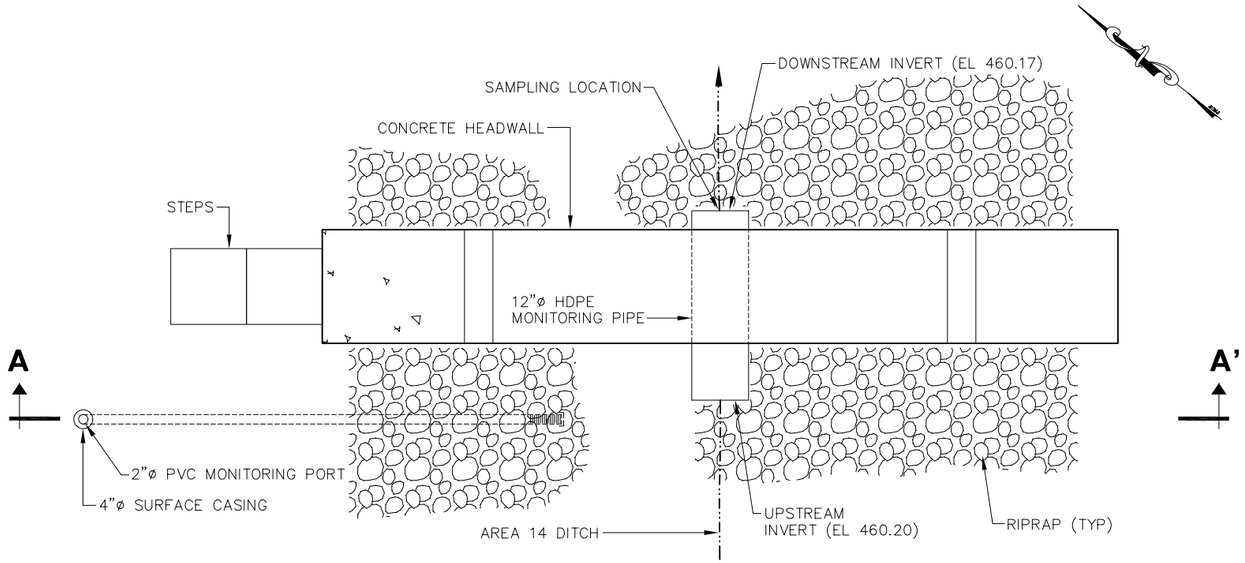
SPDES OUTFALL 002 MANHOLE PLAN AND SECTION

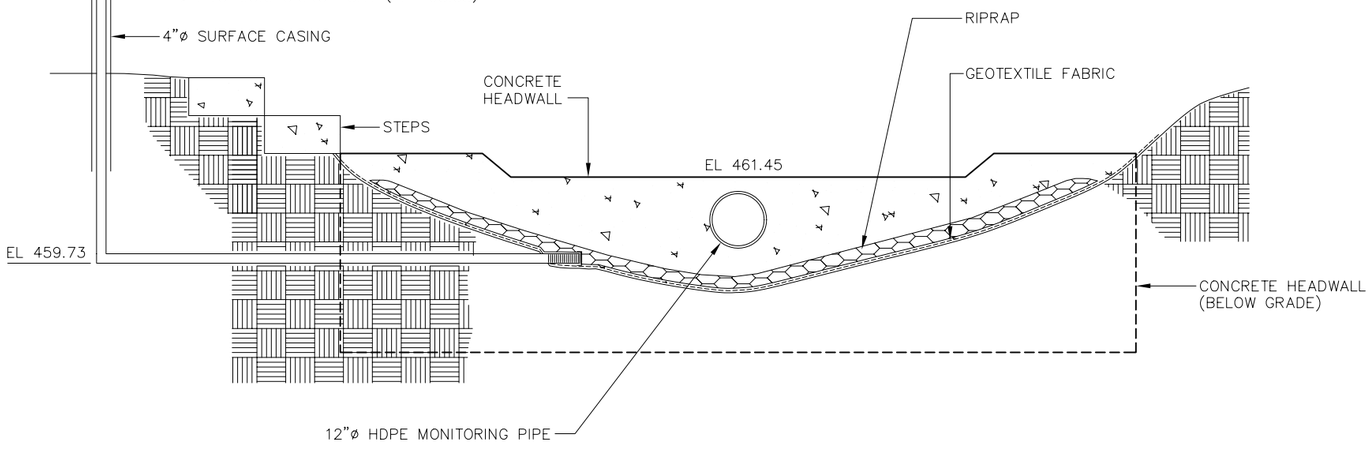
PROJECT NO.: DANA 01-04

DATE: APRIL 2006

FIGURE NO.: **5-2**



PLAN



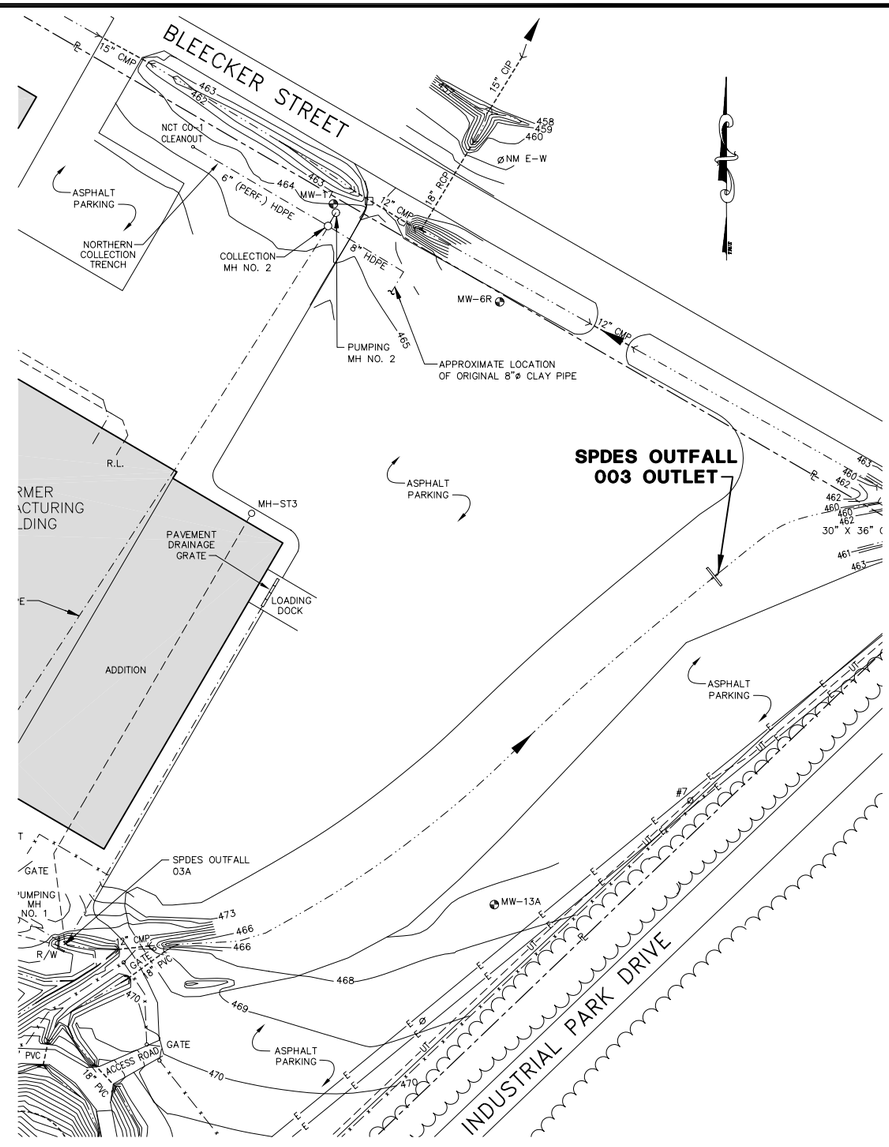
SECTION A-A'

SPDES OUTFALL 003 OUTLET PLAN AND SECTION

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

0 2' 5'

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



OUTLET LOCATION PLAN

SCALE: 1" = 120'

0 120' 240'

GRAPHIC SCALE: 1" = 120'

X: CP-BASE
P: D2BBW
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB08.DWG

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2005 ANNUAL
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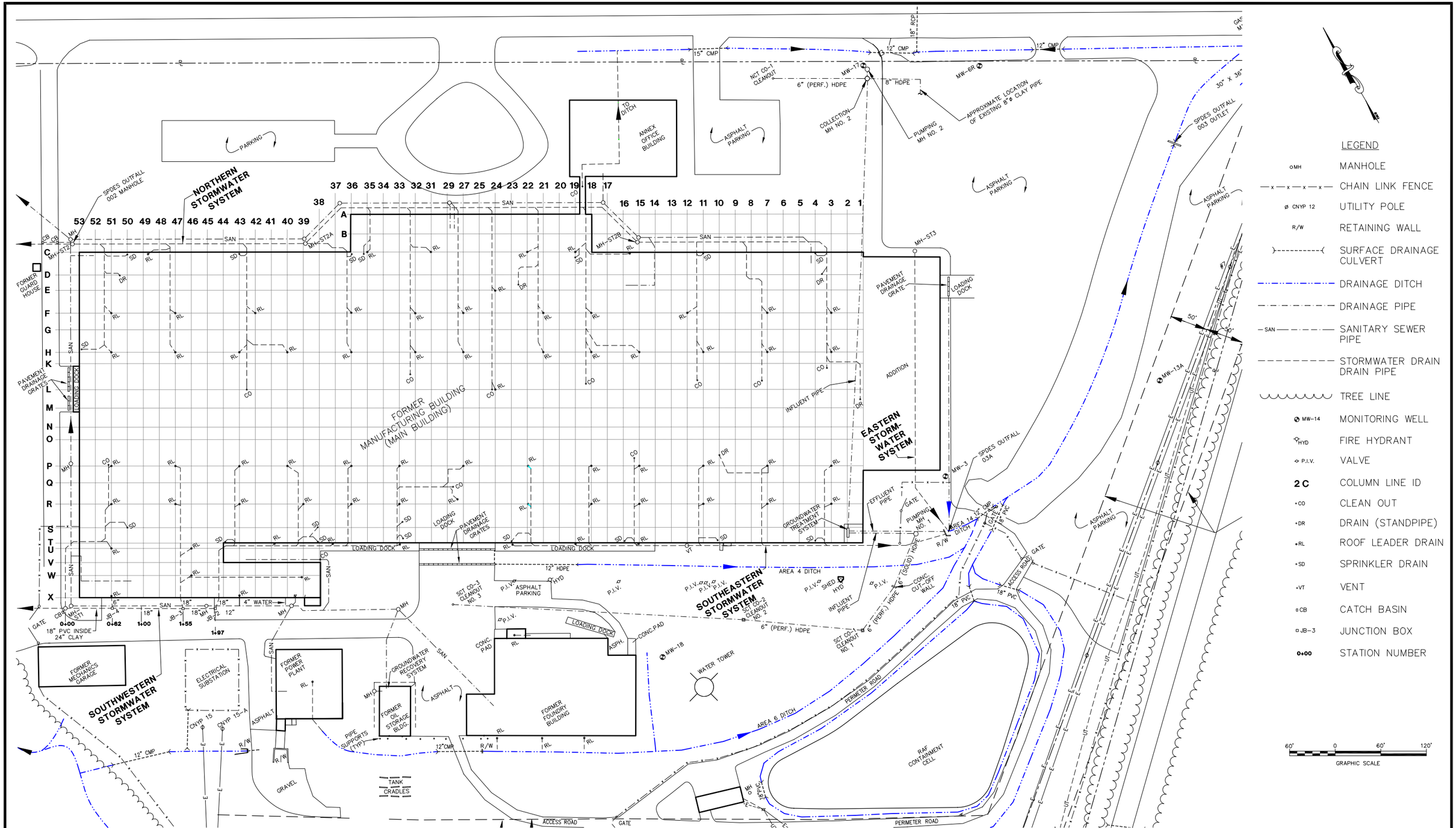
2200 BLEECKER STREET
UTICA, NEW YORK

SPDES OUTFALL 003
PLAN AND SECTION

PROJECT NO.: DANA 01-04
DATE: APRIL 2006
FIGURE NO.: **5-3**



X: CP-BASE
D2BBW
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB15.DWG

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SYRACUSE, NEW YORK 13202

2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

STORMWATER SYSTEM PARTIAL PLAN

PROJECT NO.: DANA 01-04
DATE: APRIL 2006
FIGURE NO.: 5-4

6.0 GROUNDWATER TREATMENT SYSTEM

This section documents the OM&M of the GTS, originally constructed as an IRM to address VOCs present in surface water and groundwater. The system became fully operational in March 1995 and is currently in operation. As part of the selected RA, the system was modified to only collect and treat groundwater in 1999. Presently, the GTS consists of an air stripper unit, located in the southeast corner of the Main Building, the NCT, the SCT, and two pumping manholes designated Pumping Manhole No. 1 (MH-1) and Pumping Manhole No. 2 (MH-2). Figure 6-1 – Groundwater Treatment System Plan provides the location of these components. OBG, on behalf of CPTC, conducted the OM&M of the GTS from January through May 2005. ENSR conducted the OM&M of the GTS from June through December 2005. The following sections have been structured to allow OBG and ENSR to provide certification to their respective sections, for which each had OM&M responsibilities during 2005.

6.1 System Construction

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

Each pumping manhole contains two submersible pumps, arranged in lead/lag mode, and five bulb type control switches. MH-1 is equipped with two 3/4 horsepower (hp), 65 gallons per minute (gpm) pumps and MH-2 has two 1/2 hp, 10 gpm pumps. The pump controls are set, top to bottom, 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 each pump is located in the Main Building, adjacent to the air stripper. Pumped water is conveyed to the air stripper via a double containment system. 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 6 to 425 gpm. Certain aspects of the GTS are continuously monitored by an auto dialer system, a Sensaphone Model 4100, which includes a battery backup. The autodialer is programmed to monitor the following conditions:

- MH-1 High/low water level;
- MH-2 High/low water level; and
- Air stripper high water level/low air pressure.

Should an alarm condition occur, the auto dialer places a call to an CPTC consultant. This initiates a system status evaluation and appropriate response to the alarm associated with the GTS.

The treated water from the low-profile air stripper discharges by 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.

The operation and maintenance for the IRM GTS is provided in a separate O&M Manual, dated April 1995, prepared by BBL to address the GTS components. The RA OM&M Manual reviews the IRM GTS in general and provides specific information for inspection and cleanout procedures for the NCT and SCT.

6.2 Operation

6.2.1 January – May 2005, OBG

The GTS is designed to operate continuously. The manhole lead and lag pumps operate, as needed, controlling the level of water. Control bulbs normally activate the lead pump. Should the lead pump fail to control the water level in the manhole, the lag pump is set to be automatically activated. If the lead and lag pump system fail to control the water level, an alarm is triggered and the auto dialer is activated, notifying OBG. The inspection logs, included in Appendix G - Groundwater Treatment System Inspection Logs, provide documentation of recorded alarm conditions and maintenance during 2005. A summary of alarm conditions and maintenance for January 1, 2005 through May 31, 2005 is presented in the following table:

DATE	INCIDENT /RESOLUTION
1/4/05	Stripper was shut down and dismantled for tray cleaning. There were new tray gaskets installed at this time. Stripper was restarted on 1/7/05. MH-2 was still in high alarm.
1/10/05	Replaced the demister pad on stripper discharge duct.
2/2/05	Flowmeter on MH-2 plugged with deposits. Removed deposits and put back in service.
3/1/05	Flowmeter on MH-2 plugged with deposits. Removed deposits and put back in service.
3/11/05	Flowmeter on MH-2 plugged with deposits. Removed deposits and put back in service.
3/18/05	Both pumps in MH-2 running but no flow indication on flowmeter. Flowmeter on MH-2 plugged with deposits Removed deposits and put back in service. MH-2 surcharged. Also performed bucket flow measurement indicated 12 gpm at stripper.
3/23/05	MH-2 surcharged. Flowmeter on MH-2 plugged with deposits. Removed deposits and put back in service.
3/30/05	MH-2 surcharged. Cleaned piping at MH-2 with air. Flowmeter on MH-2 plugged with deposits. Removed deposits and put back in service. Bucket test for flow indicated 25gpm at the stripper.
4/5/05	MH-2 surcharged. Cleaned piping at MH-2 by reverse flushing with plant water. Flowmeter on MH-2 plugged with deposits. Removed deposits and put back in service. System running at 18 gpm at the stripper.
4/26/05	System in alarm. Both manholes are surcharged, apparent power outage.
5/4/05	System shut down for dismantling and cleaning. Restart system at 5/5/05.
5/25/05	Stripper running normally. Turned system OM&M over to ENSR.

The total volume of water pumped to the air stripper is measured by in-line flow meters that provide 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. A total of approximately 1,103,730 gallons of water was pumped, treated, and released to Outfall 03A from January to May 2005. Table 6-1 2005 Manhole Flow Summary, indicates the manhole flow meter readings recorded during weekly inspections and provides average monthly flows for both manholes, as well as total flow for 2005 from January to May 2005. For MH-1, the weekly-recorded low, average, and high flow rates are 2,026, 3,933 and 9,450 gpd, respectively. For MH-2, the weekly recorded low, average and high flow rates are 11, 3,817 and 14,160 gpd, respectively. The GTS pumped an average of 7,759 gpd from January to May 2005.

Air stripper influent and effluent samples are collected and analyzed for required VOCs. Effluent analytical data is collected to satisfy required conditions of CPTC's SPDES Permit (No. NY-0108537), discussed in Section 6.4.1. Table 6-2, 2005 Influent and Effluent Analytical Summary 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 6-3, 2005 Air Stripper Flow Summary provides weekly and average monthly flows measured during sampling events.

Information presented in Tables 6-2 and 6-3 was used to evaluate mass removal. Table 6-4, 2005 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 from January to May 2005. As shown, the total average annual removal efficiency was 98%, resulting in 6.4 pounds of VOCs removed. Due to problems with the air stripper performance in May 2005, the effluent VOC concentration was greater than the calculated influent VOC concentration, therefore, the mass removal value could not be calculated.

6.2.2 June – December 2005, ENSR

The GTS is designed to operate continuously. The manhole lead and lag pumps operate, as needed, to control the water level. Control bulbs normally activate the lead pump. Should the lead pump fail to control the water level in the manhole, the lag pump is set to be automatically activated. If the lead and lag pump system fail to control the water level, an alarm is activated, the autodialer is then notified, and the appropriate call-outs are initiated. The inspection logs, included in Appendix G, provide documentation of weekly site visits, recorded alarm conditions, system cleaning events, and modifications made to the system during June 1, 2005 through December 31, 2005. A summary of alarm conditions and subsequent maintenance during June 1, 2005 through December 31, 2005 are presented in the following table.

Date	INCIDENT/RESOLUTION
6/24/05	System is on, alarms are not functioning, system reset, ENSR contacts CP
6/25/05	Determine that high level float in MH-1 not working
6/30/05	High level float switch replaced in MH-1, system is operating
7/06/05	MH-1 high level alarm on, system reset, system is operating
08/04/05	System off, no alarm, system reset, and operating
09/(06-08)/05	System shut-down for cleaning and will not immediately restart after re-assembly. Further troubleshooting allows system to be re-set and restarted.
9/26/05	MH-1 is operational, MW-2 is not operational, proposed solution is pump and float replacement in MH-1 and MH-2.
10/04/05	Replaced float switches in MH-1 and MH-2
11/10/05	During weekly sample collection, noted that MH-2 was not pumping sufficiently
11/18/05	Electrical problems identified regarding control of MH-2, troubleshooting clears electrical issues and MH-2 is operational
12/01/05	MH-2 is determined not to be operational, due to low discharge (flow) from the pump
12/10/05	Pump replaced in MH-2, pump is operating correctly, however flow totalizer is not recording, no alarms recorded
12/(19-21)/05	System shut down for cleaning and restarted
12/22/05	System operating, however, no effluent from air stripper, no weekly sample collected
12/29/05	System operating, however, no effluent from air stripper, no weekly sample collected
NOTES: Chicago Pneumatic has requested that ENSR design (and manage the construction of) a pre-treatment water system which will improve the operating efficiency of the existing groundwater treatment system.	

The total volume of water pumped to the air stripper is measured by in-line flow meters that provide 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 6-1. Between May 25, 2005 and December 31, 2005 approximately 1,575,320 gallons of water was pumped, treated, and discharged to Outfall 03A. The 2005 Manhole Flow Summary (Table 6-1), indicates the manhole flow meter readings recorded during weekly inspections and provides average monthly flows for both manholes, as well as total flow for the same period of 2005. Between May 25, 2005 and December 31, 2005, for MH-1, the recorded low, recorded average, and recorded high flow rates per monitoring event are 0 gpd, 3,923 gpd, and 14,329 gpd, respectively. For MH-2, during this period the recorded low, recorded average and recorded high flow rates per monitoring event are 0 gpd, 3,299 gpd, and 10,485 gpd, respectively. The GTS processed an average of 7,222 gpd during the approximate 7-month period between May 25 and December 31, 2005.

Air stripper influent and effluent samples are collected and analyzed for the required VOCs. Effluent analytical data is collected to satisfy required conditions of CPTC's SPDES Permit (No. NY-0108537), and is discussed in Section 6.4.2. The June 1, 2005 through December 31, 2005 Influent and Effluent Analytical Summary (Table 6-2) 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 6-3, the 2005 Air Stripper Flow Summary, provides weekly and average monthly flows measured during sampling events, and is inclusive of the flow to the stripper from MH-1 and MH-2.

The information presented in Table 6-2 and Table 6-3 was developed to assist in evaluating mass removal of VOCs by the GTS. Table 6-4, the 2005 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 approximate 7-month period from May 25, 2005 to December 31, 2005. As indicated, the total average annual removal efficiency was 96% resulting in approximately 8.8 pounds of VOCs removed during this period of 2005.

6.3 Maintenance

6.3.1 January – May 2005, OBG

The following scheduled and unscheduled maintenance events resulted in the temporary shutdown of the GTS:

- The GTS was shut down and the air stripper internally inspected and cleaned on January 4 and May 4, 2005;
- The GTS shut down due to apparent power outages on April 26, 2005. The system alarms were reset and the air stripper restarted; and
- The GTS was shut down and the pipes from MH-2 were cleaned with air and water on March 30 and April 5, 2005. The system was restarted and the pumps operated normally.

6.3.2 June – December 2005, ENSR

The following scheduled and unscheduled maintenance events resulted in the temporary shutdown of the GTS between June 1, 2005 and December 31, 2005:

- The GTS was inactivated due to operational problems on August 4 and restarted same day;
- The GTS was inactivated and the air stripper internally inspected and cleaned from September 6th through September 9, 2005; and the system was restarted;
- The GTS was inactivated from September 9 through 26 due to pump and float malfunctions in the manholes;

TABLE 4-1
2005 GROUNDWATER ELEVATION SUMMARY

2005 ANNUAL OM&M 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: 4/27/05						
MW-6R	462.69	10.52	10.51	465.47	3.93	461.54
MW-13A	467.30	11.07	10.91	469.23	2.72	466.51
MW-14	475.71	12.94	12.99	478.45	3.24	475.21
MW-17	463.89	11.25	11.25	466.02	Dry	Note 5
MW-18	474.10	11.73	11.70	475.96	4.90	471.06
SCT CO-1	NA	NA	NA	472.30	Dry	465.20
SCT CO-2	NA	NA	NA	473.42	7.70	465.72
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	12.15	453.16

Monitoring Well ID	Ground Surface Elevation	Installed Depth from TOR	Measured Depth from TOR	TOR Elevation	Water Depth from TOR	Water Elevation
Date Gauged: 10/20/05						
MW-6R	462.69	10.52	10.50	465.47	4.32	461.15
MW-13A	467.30	11.07	11.07	469.23	4.06	465.17
MW-14	475.71	12.86	12.80	478.37	3.90	474.47
MW-17	463.89	11.25	11.25	466.02	Dry	Note 5
MW-18	474.10	11.78	11.78	475.96	6.30	469.66
SCT CO-1	NA	NA	NA	472.30	Dry	465.20
SCT CO-2	NA	NA	NA	473.42	7.70	465.72
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	12.67	452.64

Notes:

1. All values reported in feet.
2. TOR = Top of Riser.
3. Depth measurements are taken in hundreths 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 columes.
14. Groundwater elevations were inferred at the following locations: SCT CO-1, SCT CO-2, SCT CO-3, and NCT CO-1.

- On September 26, the pump floats were replaced and the system restarted;
- MH-2 was not operational on November 10;
- MH-2 was not operational on November 18;
- MH-2 was not operational on December 1; and
- The GTS was inactivated and the pump in MH-2 was replaced on December 10th, 2005. The system was restarted.

6.4 SPDES Outfall 03A

6.4.1 January – May 2005, OBG

The effluent from the air stripper, SPDES Outfall 03A, requires sampling, analytical analysis, and 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).

Samples are collected by Upstate Laboratories, Inc. (ULI) personnel and analyzed at ULI on behalf of CPTC. These samples are collected from the SPDES Outfall 03A sampling port located in the effluent pipe prior to discharge to the eastern drainage ditch. Results from weekly sampling from 2000 to 2005 are provided in Table 6-5, Cumulative Summary of Outfall 03A Analytical Results. The analytical results are submitted by the OM&M contractor to the NYSDEC in the form of monthly DMRs. Excursions of SPDES Permit effluent limits were recognized in May 2005, as noted on the DMRs.

6.4.2 June – December 2005, ENSR

The effluent from the air stripper, SPDES Outfall 03A, requires sampling, analytical analysis, and 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).

On behalf of CPTC, between June 1 and December 31, 2005, GTS samples were collected by ENSR personnel, placed in appropriately labeled laboratory glassware, packed on ice, and shipped with chain of custody forms via overnight courier to Columbia Analytical Laboratories, located in Rochester, New York. These samples are collected from the SPDES Outfall 03A sampling port located in the effluent pipe prior to discharge to the eastern drainage ditch. Results from weekly sampling events conducted between

June 1 and December 31, 2005, are provided in Table 6-5, the Summary of Outfall 03A Analytical Results. The analytical results are submitted by ENSR to the NYSDEC in the form of monthly DMRs. Between June 1 and December 31, 2005, there were no excursions to the SPDES Permit effluent limits.

6.5 Summary

6.5.1 January – May 2005, OBG

The GTS has been in operation for approximately 10 years. Operation of the air stripper, pumps, and appurtenances has been consistent and continuous with only a few exceptions. The GTS was shut down for short durations for maintenance, which included system checks and acid cleaning of the internal air stripper components. The treatment system flow totalizers, as recorded on inspection reports, indicate that approximately 1,114,070 gallons (7,579 gpd) of groundwater were processed from January to May 2005, removing 6.4 pounds of VOCs.

6.5.2 June – December 2005, ENSR

The GTS has been in operation for approximately 10 years. Operation of the air stripper, pumps, and appurtenances has been consistent and continuous with only a few exceptions. The GTS was shut down for short durations for maintenance, and operational problems which included system checks and cleaning of the internal air stripper components. The treatment system flow totalizers, as recorded on inspection reports, indicate that approximately 1,575,320 gallons of water was pumped, treated, and released to Outfall 03A between May 25 and December 31, 2005, removing approximately 8.8 pounds of VOCs.

6.6 Tables

TABLE 6-4
2005 AIR STRIPPER MASS REMOVAL SUMMARY

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Month	Air Stripper Influent - Average Monthly VOC Concentration (ug/l)	Air Stripper Effluent - Average Monthly VOC Concentration[6] (ug/l)	VOC's Removed (ug/l)	% VOC's Removed	Air Stripper Effluent - Average Monthly Flow (gpd)	VOC's Removed (lbs)
Jan	68.6	1	67.6	98.5	6280	0.1
Feb	24.9	1.1	23.8	95.6	4174	0.01
Mar	51.1	1.1	50.0	97.8	3742	0.04
Apr	2206.8	0.3	2206.5	100.0	12192	6.3
May	222.0	350	*	*	*	*
			Subtotal (Jan-May)	**98.0**	**Subtotal (Jan-May)**	**6.4**
Jun	923	4.99	918	99.5	2199	0.5
Jul	817	4.99	812	99.4	19212	4.0
Aug	868	4.99	863	99.4	9097	2.0
Sep[5]						
Oct	641	4.99	636	99.2	12119	2.0
Nov	175	4.99	170	97.1	6212	0.3
Dec	27	4.99	22	81.5	3551	0.02
			Subtotal (Jun-Dec)	**96.0**	**Subtotal (Jun-Dec)**	**8.8**
			Annual Average:	**97.0**	**Annual Total:**	**15.3**

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
* Due to problems with MH-2 during January, February, and March, mass removal values could not be calculated.
5) Influent collected from MH-1 only, MH-2 not operational on day of sample collection.
Effluent results were non-detect (<5.0 ug/L) in September. Due to significant system downtime, it is not possible to calculate system performance for September.
6) Columbia Analytical Laboratories detection limit equals 5.0 ug/L. Therefore, mass removal calculations are based on a value of less than 5.0 ug/L, i.e. 4.99 ug/L.

TABLE 6-1
2005 MANHOLE FLOW SUMMARY

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

OBG (January - May 2005)

Monitoring Date	Flow Totalizer Reading (gal)		Flow per Monitoring Period (gpd)		
	MH-1	MH-2	MH-1	MH-2	Total
12/29/2004	29867240	11418150			
1/4/2005	29869430	11426300	365	1358	1723
1/12/2005	29921860	11478090	6554	6474	13028
1/19/2005	29967760	11493770	6557	2240	8797
1/26/2005	29987800	11497890	2863	589	3452
Average Monthly Flow			**4306**	**2848**	**7154**
2/2/2005	30003660	11497970	2266	11	2277
2/9/2005	30017840	11529950	2026	4569	6595
2/15/2005	30035100	11539290	2877	1557	4434
2/24/2005	30064470	11540390	3263	122	3385
Average Monthly Flow			**2644**	**1466**	**4110**
3/1/2005	30077000	11540480	2506	18	2524
3/11/2005	30106410	11540600	2941	12	2953
3/18/2005	30127890	11540710	3069	16	3085
3/23/2005	30153970	11540810	5216	20	5236
3/30/2005	30205080	11541010	7301	29	7330
Average Monthly Flow			**4136**	**18**	**4154**
4/8/2005	30281820	11584200	8527	4799	13326
4/13/2005	30302250	11630180	4086	9196	13282
4/22/2005	30328560	11700160	2923	7776	10699
4/26/2005	30347390	11732590	4708	8108	12816
4/27/2005	30356840	11746750	9450	14160	23610
Average Monthly Flow			**5420**	**7348**	**12768**
5/5/2005	30389990	11812480	4144	8216	12360
5/11/2005	30411290	11860440	3550	7993	11543
5/20/2005	30433580	11920570	2477	6681	9158
5/25/2005	30445430	11954030	2370	6692	9062
Average Monthly Flow			**3164**	**7403**	**10567**

147 Days

Total Flow	gal	gpd
MH-1	**578,190**	**3933**
MH-2	**535,880**	**3645**
Total	**1,114,070**	**7579**

TABLE 6-1
2005 MANHOLE FLOW SUMMARY

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

ENSR (June - December 2005)

Monitoring Date	Flow Totalizer Reading (gal)		Flow per Monitoring Period (gpd)		
	MH-1	MH-2	MH-1	MH-2	Total
6/7/2005	30469970	12028990	1888	5766	7654
6/9/2005	30473260	12039720	1645	5365	7010
6/16/2005	30475100	12045890	263	881	1144
6/22/2005	30475100	12045920	0	5	5
6/24/2005	30475280	12045940	90	10	100
6/30/2005	30478020	12046410	457	78	535
Average Monthly Flow			**905**	**2566**	**3471**
7/14/2005	30678630	12128740	14329	5881	20210
7/21/2005	30759340	12175520	11530	6683	18213
Average Monthly Flow			**13396**	**6148**	**19544**
8/4/2005	30880180	12240510	8631	4642	13273
8/11/2005	30904960	12285040	3540	6361	9901
8/18/2005	30913880	12321960	1274	5274	6548
8/25/2005	30923030	12359470	1307	5359	6666
Average Monthly Flow			**4677**	**5256**	**9933**
9/1/2005	30935110	12400790	1726	5903	7629
9/8/2005	30943970	12431870	1266	4440	5706
9/13/2005	30944370	12431920	80	10	90
9/19/2005	30944430	12431980	10	10	20
9/23/2005	30944710	12432400	70	105	175
9/26/2005	30949630	12432490	1640	30	1670
9/27/2005	30953080	12432760	3450	270	3720
Average Monthly Flow			**911**	**2221**	**3132**
10/4/2005	30964220	12433270	743	34	777
10/6/2005	30967200	12454240	1490	10485	11975
10/13/2005	30984470	12505280	2467	7291	9758
10/20/2005	31014080	12568050	4230	8967	13197
10/27/2005	31054790	12622160	5816	7730	13546
Average Monthly Flow			**2677**	**4984**	**7661**
11/3/2005	31082950	12667240	4023	6440	10463
11/10/2005	31108740	12667240	3684	0	3684
11/16/2005	31135540	12667240	4467	0	4467
11/22/2005	31168150	12672020	5435	797	6232
Average Monthly Flow			**4360**	**1918**	**6278**
12/1/2005	31203030	12672020	3876	0	3876
12/8/2005	31232280	12672020	4179	0	4179
12/15/2005	31253950	12672430	3096	59	3155
12/21/2005	31268520	12672770	2428	57	2485
12/29/2005	31300660	12673120	4018	44	4062
Average Monthly Flow			**3581**	**30**	**3611**

218 Days

Total Flow	gal	gpd
MH-1	**855,230**	**3923**
MH-2	**719,090**	**3299**
Total	**1,574,320**	**7222**
Annual	**2,688,390**	**14800**

Notes:
1. All data based on flow meter readings taken during inspections.
2. gal = gallons
3. gpd = gallons per day

TABLE 6-2
2005 INFLUENT AND EFFLUENT ANALYTICAL SUMMARY

2005 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		
1/14/2005											<1	<1	<1	<1	0	
1/21/2005	2.4	<1	<1	<1	2.4	<5	58	<5	120	178	<1	<1	<1	1.2	1.2	
1/28/2005											<1	<1	<1	1.8	1.8	1.0
2/4/2005	2.5	<1	<1	<1	2.5	<5	19	<5	38	57	<1	<1	<1	1.3	1.3	
2/11/2005											<1	<1	<1	1.8	1.8	
2/18/2005											<1	<1	<1	<1	0	
2/25/2005											<1	<1	<1	1.1	1.1	1.1
3/4/2005	4.4	7.8	<2	31	43.2	<100	340	<100	1500	1840	<1	<1	<1	<1	0	
3/11/2005											<1	<1	<1	2.4	2.4	
3/18/2005											<1	<1	<1	<1	0	
3/24/2005											<1	<1	<1	1.9	1.9	1.1
4/1/2005	<1	3.4	<1	2.9	6.3	<10	830	<10	3000	3830	<1	<1	<1	1.3	1.3	
4/8/2005											<1	<1	<1	<1	0	
4/15/2005											<1	<1	<1	<1	0	
4/22/2005											<1	<1	<1	<1	0	
4/29/2005											<1	<1	<1	<1	0	0.3
5/13/2005	3.8	1.8	<1	3.5	9.1	<10	93	<10	220	313	<1	<1	<1	<1	0	
5/20/2005											**<50**	**230**	**<50**	**820**	**1050**	
5/27/2005											<1	<1	<1	<1	0	350.0

TABLE 6-2
2005 INFLUENT AND EFFLUENT ANALYTICAL SUMMARY

2005 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
6/3/2005	8.5	<5	<5	<5	8.5	<20	340	<50	1200	1540	<2	<5	<5	<5	0	
6/9/2005	7	<5	<5	<5	7	<10	220	<25	750	970	<2	<5	<5	<5	0	
6/30/2005											<2	<5	<5	<5	0	0.0
7/6/2005											<2	<5	<5	<5	0	
7/14/2005											<2	<5	<5	<5	0	
7/21/2005	<25	92	<25	210	302	<50	440	<50	1500	1940	<2	<5	<5	<5	0	
7/28/2005											<2	<5	<5	<5	0	0.0
8/4/2005	4.6	12	<5	6	22.6	<30	320	<100	1300	1620	<2	<5	<5	<5	0	
8/11/2005											No effluent discharge, no sample collected.				0	
8/18/2005											No effluent discharge, no sample collected.				0	
8/25/2005											No effluent discharge, no sample collected.				0	0.0
9/1/2005											<2	<5	<5	<5	0	
9/8/2005											Treatment system not operating				0	
9/13/2005											Treatment system not operating				0	
9/27/2005	2.5	<5	<5	<5	2.5						No effluent discharge, no sample collected.				0	0.0
10/6/2005	2.9	20	<5	60	82.9	<10	230	<25	710	940	<2	<5	<5	<5	0	
10/13/2005											<2	<5	<5	<5	0	
10/20/2005											<2	<5	<5	<5	0	
10/27/2005											<2	<5	<5	<5	0	0.0
11/3/2005	5.7	<5	<5	<5	5.7	<5	190	<13	370	560	<2	<5	<5	<5	0	
11/10/2005											<2	<5	<5	<5	0	
11/16/2005											<2	<5	<5	<5	0	
11/22/2005											<2	<5	<5	<5	0	0.0
12/1/2005	5.1	<5	<5	<5	5.1	<40	500	<100	2100	2600	<2	<5	<5	<5	0	
12/8/2005											<2	<5	<5	<5	0	
12/15/2005											No effluent discharge, no sample collected.				0	
12/29/2005											No effluent discharge, no sample collected.				0	0.0

Notes:
1. All concentrations reported in micrograms per liter (ug/L), approximately equivalent to parts per billion (ppb).
2. VOCs = Volatile Organic Compounds.
3. Bolded numbers exceed consitituent's TOGS 1.1.1 guidance values.

TABLE 6-3
2005 AIR STRIPPER FLOW SUMMARY

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	Average Flow During Monitoring Period (gpd)	
1/14/2005	8,905	
1/21/2005	6,971	
1/28/2005	2,963	
	Average Monthly Flow (gpd):	**6280**
2/4/2005	3379	
2/11/2005	6500	
2/18/2005	3849	
2/25/2005	2969	
	Average Monthly Flow (gpd):	**4174**
3/4/2005	3241	
3/11/2005	3056	
3/18/2005	3056	
3/24/2005	5615	
	Average Monthly Flow (gpd):	**3742**
4/1/2005	7289	
4/8/2005	15204	
4/15/2005	12577	
4/22/2005	10360	
4/29/2005	15531	
	Average Monthly Flow (gpd):	**12192**
5/13/2005	11029	
5/20/2005	8919	
5/27/2005	8489	
	Average Monthly Flow (gpd):	**9479**
6/9/2005	7010	
6/16/2005	1144	
6/24/2005	100	
6/30/2005	535	
	Average Monthly Flow (gpd):	**2197**

TABLE 6-3
2005 AIR STRIPPER FLOW SUMMARY

2005 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	Average Flow During Monitoring Period (gpd)	
7/14/2005	20210	
7/21/2005	18213	
	Average Monthly Flow (gpd):	**19212**
8/4/2005	13273	
8/11/2005	9901	
8/18/2005	6548	
8/25/2005	6666	
	Average Monthly Flow (gpd):	**9097**
9/1/2005	7629	
9/8/2005	5706	
9/13/2005	90	
9/23/2005	175	
9/27/2005	3720	
	Average Monthly Flow (gpd):	**3464**
10/6/2005	11975	
10/13/2005	9759	
10/20/2005	13197	
10/27/2005	13546	
	Average Monthly Flow (gpd):	**12119**
11/3/2005	10463	
11/10/2005	3684	
11/16/2005	4467	
11/22/2005	6232	
	Average Monthly Flow (gpd):	**6212**
12/1/2005	3876	
12/8/2005	4179	
12/15/2005	3155	
12/21/2005	2485	
12/29/2005	4062	
	Average Monthly Flow (gpd):	**3551**

Note:
1. gpd = gallons per day.
2. Average flow data is from laboratory analytical data sheets recorded during sampling.

TABLE 6-5
CUMULATIVE SUMMARY OF SPDES OUTFALL 03A ANALYTICAL RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Parameter					
	cis-1,2-DCE	trans-1,2-DCE	TCE	VC	Flow	pH
Permit Limits	10	10	10	10		
1/14/00	<1	<1	2	<1	6,326	
1/21/00	<1	<1	3	<1	8,002	
1/28/00	<1	<1	4	<1	6,334	
2/4/00	<1	<1	3	<1	11,974	
2/11/00	Data not available, possibly no flow					
2/18/00	<1	<1	4	<1	4,007	
2/25/00	<1	<1	<1	<1	7,548	
3/3/00	<1	<1	2	<1	12,811	
3/10/00	<1	<1	1	<1	9,617	
3/17/00	<1	<1	<1	<1	9,103	
3/24/00	<1	<1	2	<1	9,637	
3/31/00	<1	<1	<1	<1	8,373	
4/7/00	<1	<1	1	<1	1,975	
4/14/00	<1	<1	2	<1	14,689	
4/21/00	Data not available, possibly no flow					
4/28/00	Data not available, possibly no flow					
5/1/00					no flow	
5/12/00					no flow	
5/15/00	2	<1	7	<1	4,922	
5/22/00	<1	<1	<1	<1	5,120	
5/26/00	<1	<1	<1	<1	10,300	
6/2/00	<1	<1	<1	<1	18,686	
6/9/00	<1	<1	<1	<1	10,123	
6/16/00	<1	<1	<1	<1	10,269	
6/23/00	<1	<1	<1	<1	9,873	
6/30/00	<1	<1	<1	<1	7,627	
7/13/00	<1	<1	<1	<1	6,060	
7/14/00	<1	<1	<1	<1	6,060	
7/21/00	<1	<1	<1	<1	4,936	
7/28/00	<1	<1	<1	<1	14,750	
8/4/00	<1	<1	<1	<1	2,092	
8/11/00	<1	<1	<1	<1	1,771	
8/18/00	<1	<1	<1	<1	7,820	
8/25/00	<1	<1	<1	<1	6,169	
9/7/00	<1	<1	<1	<1	5,683	
9/8/00	<1	<1	<1	<1	5,683	
9/15/00	<1	<1	<1	<1	6,023	
9/22/00	<1	<1	<1	<1	7,481	
10/6/00	<1	<1	<1	<1	3,359	
10/13/00	<1	<1	<1	<1	7,188	
10/20/00	<1	<1	6	<1	3,171	
10/27/00	<1	<1	2	<1	9,261	
11/2/00	<1	<1	<1	<1	7,300	
11/3/00	<1	<1	<1	<1	7,300	
11/9/00	Air stripper cleaning no sample					
11/17/00	<1	<1	<1	<1	10,361	
11/22/00	<1	<1	3	<1	4,818	
12/1/00	<1	<1	1	<1	9,057	
12/8/00	<1	<1	3	<1	7,230	
12/15/00	<1	<1	3	<1	5,397	
12/22/00	<1	<1	4	<1	7,013	

TABLE 6-5
CUMULATIVE SUMMARY OF SPDES OUTFALL 03A ANALYTICAL RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Parameter					
	cis-1,2-DCE	trans-1,2-DCE	TCE	VC	Flow	pH
Permit Limits	10	10	10	10		
1/3/01	<1	<1	5	<1	7,109	
1/12/01	<1	<1	<1	<1	5,775	
1/19/01	<1	<1	3	<1	6,435	
1/26/01	<1	<1	2	<1	6,151	
2/7/01	<1	<1	<1	<1	6,170	
2/9/01	8	<1	**21**	<1	6,355	
2/20/01	<1	<1	3	<1	7,278	
2/23/01	<1	<1	4	<1	6,460	
3/2/01	<1	<1	2	<1	7,923	
3/9/01	<1	<1	2	<1	6,801	
3/16/01	**29**	<1	**20**	<1	7,100	
3/23/01	<1	<1	2	<1	10,539	
3/30/01	5	<1	**14**	<1	12,270	
4/3/01	<1	<1	1	<1	16,000	
4/11/01	<1	<1	<1	<1	15,820	
4/20/01	<1	<1	<1	<1	9,996	
4/27/01	3	<1	8	<1	6,790	
5/5/01	Out of service, electrical problem					
5/11/01	<1	<1	1	<1	6,217	
5/18/01	<1	<1	<1	<1	4,177	
5/25/01	<1	<1	<1	<1	3,822	
6/1/01	3	<1	**13**	<1	5,320	
6/8/01	<1	<1	<1	<1	10,420	
6/15/01	<1	<1	<1	<1	26,778	
6/22/01	7	<1	2	<1	2,894	
6/29/01	<1	<1	<1	<1	8,897	
7/6/01	<1	<1	<1	<1	4,584	
7/13/01	<1	<1	<1	<1	4,290	
7/20/01	<1	<1	<1	<1	6,627	
7/27/01	<1	<1	<1	<1	6,017	
8/3/01	1	<1	4	<1	5,078	
8/10/01	<1	<1	<1	<1	4,747	
8/17/01	2	<1	4	<1	4,757	
8/24/01	<1	<1	<1	<1	4,044	
8/31/01	<1	<1	<1	<1	1,107	
9/7/01	<1	<1	<1	<1	10,930	
9/14/01	<1	<1	3	<1	1,850	
9/21/01	<1	<1	<1	<1	1,151	
9/28/01	<1	<1	<1	<1	4,194	
10/5/01	<1	<1	<1	<1	4,405	
10/12/01	<1	<1	<1	<1	4,238	
10/19/01	<1	<1	<1	<1	4,441	
10/26/01	<1	<1	<1	<1	4,481	
11/2/01	<1	<1	<1	<1	4,752	8.3
11/9/01	<1	<1	<1	<1	5,181	8.1
11/16/01	<1	<1	<1	<1	4,588	7.8
11/21/01	<1	<1	<1	<1	4,522	7.7
11/30/01	<1	<1	<1	<1	4,942	7.6
12/7/01	<1	<1	<1	<1	6,549	8.1
12/14/01	<1	<1	<1	<1	5,721	8.2
12/21/01	<1	<1	<1	<1	8,104	7.1
12/28/01	<1	<1	3	<1	7,515	7.2

TABLE 6-5
CUMULATIVE SUMMARY OF SPDES OUTFALL 03A ANALYTICAL RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Parameter					
	cis-1,2-DCE	trans-1,2-DCE	TCE	VC	Flow	pH
Permit Limits	10	10	10	10		
1/4/02	<1	<1	3	<1	5,721	
1/11/02	<1	<1	1	<1	5,020	
1/18/02	<1	<1	<1	<1	6,455	
1/25/02	<1	<1	<1	<1	6,380	
2/1/02	<1	<1	4	<1	7,925	8.1
2/13/02	**11**	<2	**33**	<2	10,570	8.0
2/15/02	<1	<1	2	<1	10,041	7.8
2/22/02	<1	<1	<1	<1	8,651	8.0
3/1/02	<1	<1	<1	<1	8,928	7.8
3/8/02	<1	<1	2	<1	6,687	7.9
3/15/02	6	<1	**11**	<1	7,048	7.9
3/22/02	5	<1	**11**	<1	11,341	7.7
3/29/02	2	<1	6	<1	6,348	7.8
4/5/02	**79**	<10	**230**	<10	5,741	7.5
4/12/02	4	<1	10	<1	10,452	7.7
4/19/02	3	<1	**17**	<1	12,160	7.9
4/26/02	2	<1	6	<1	7,711	7.8
5/3/02	1	<1	5	<1	11,707	7.9
5/10/02	<1	<1	<1	<1	9,758	7.6
5/17/02	<1	<1	<1	<1	12,755	7.8
5/24/02	<1	<1	<1	1	2,360	7.3
5/31/02	<1	<1	<1	1	7,725	7.6
6/7/02	<1	<1	<1	<1	9,408	7.4
6/14/02	<1	<1	<1	<1	10,371	7.7
6/20/02	<1	<1	<1	<1	8,717	7.6
6/27/02	<1	<1	<1	<1	7,690	7.8
7/3/02	<1	<1	<1	<1	10,938	7.6
7/11/02	<1	<1	2	<1	9,475	7.7
7/18/02	1	<1	3	<1	6,841	7.6
7/25/02	<1	<1	<1	<1	6,005	7.4
8/1/02	<1	<1	<1	<1	5,867	7.7
8/9/02	<1	<1	<1	<1	5,932	7.2
8/16/02	<1	<1	<1	<1	3.951	7.3
8/23/02	<1	<1	<1	<1	5,285	7.3
8/30/03	<1	<1	<1	<1	7,774	7.9
9/5/02	<1	<1	<1	<1	5,180	7.2
9/13/02	<1	<1	<1	<1	6,027	7.3
9/20/02	1	<1	2	<1	6,008	7.8
9/27/02	<1	<1	<1	<1	6,745	8.2
10/4/02	<1	<1	2	<1	8,864	8.0
10/11/02	<1	<1	<1	<1	6,698	7.7
10/21/02	<1	<1	<1	<1	10,371	7.9
10/25/02	<1	<1	<1	<1	8,178	7.8
11/1/02	<1	<1	1	<1	10,244	7.6
11/8/02	<1	<1	2	<1	8,274	7.7
11/15/02	<1	<1	<1	<1	7,975	7.9
11/22/02	6	<1	**11**	<1	3,597	7.7
11/27/02	<1	<1	3	<1	18,722	7.8
12/6/02	7	<2	**19**	<2	11,440	7.6
12/13/02	7	<1	**16**	<1	5,595	7.6
12/20/02	<1	<1	4	<1	6,027	7.9
12/27/02	<1	<1	<1	<1	4,277	7.9

TABLE 6-5
CUMULATIVE SUMMARY OF SPDES OUTFALL 03A ANALYTICAL RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Parameter					
	cis-1,2-DCE	trans-1,2-DCE	TCE	VC	Flow	pH
Permit Limits	10	10	10	10		
1/3/03	1	<1	3	<1	7,475	7.8
1/10/03	3	<1	**13**	<1	7,830	7.9
1/16/03	1	<1	4	<1	5,976	7.8
1/24/03	<1	<1	4	<1	2,968	7.9
1/31/03	3	<1	10	<1	5,874	7.6
2/7/03	<1	<1	3	<1	3,234	7.8
2/14/03	1	<1	3	<1	7,585	7.8
2/20/03	<1	<1	2	<1	4,705	8.1
2/28/03	8	<1	**20**	<1	4,912	8.0
3/7/03	**220**	<20	**470**	<20	3,785	7.8
3/14/03	7	<1	**15**	<1	3,881	7.9
3/20/03	**12**	<2	**28**	<2	6,746	7.7
3/28/03	**21**	<2	**42**	<2	9,658	7.7
4/4/03	8	<1	**20**	<1	6,748	7.9
4/11/03	**25**	<5	**72**	<5	6,442	7.4
4/18/03	<1	<1	<1	<1	9,922	7.7
4/25/03	<1	<1	<1	<1	13,811	7.6
5/1/03	<1	<1	<1	<1	10,060	8.0
5/9/03	<1	<1	<1	<1	12,273	8.3
5/16/03	<1	<1	<1	<1	12,995	7.8
5/23/03	<1	<1	<1	<1	11,427	8.2
5/30/03	<1	<1	<1	<1	11,432	7.6
6/6/03	<1	<1	<1	<1	12,687	7.8
6/13/03	<1	<1	<1	<1	9,532	8.0
6/20/03	<1	<1	<1	<1	9,820	7.7
6/27/03	<1	<1	<1	<1	11,562	8.1
7/7/03	<1	<1	<1	<1	7,104	7.9
7/11/03	<1	<1	<1	<1	7,090	7.8
7/18/03	<1	<1	<1	<1	7,861	7.1
7/25/03	<1	<1	<1	<1	5,090	7.5
8/1/03	<1	<1	<1	<1	6,548	7.9
8/8/03	**15**	<2	**38**	<2	3,011	7.3
8/18/03	<1	<1	<1	<1	11,376	7.8
8/22/03	**15**	<5	**56**	<5	9,385	8.1
8/29/03	8	<1	**11**	<1	8,387	8.2
9/5/03	3	<1	6	<1	9,115	8.4
9/12/03	4	<1	5	<1	8,095	7.8
9/19/03	**27**	<5	**77**	<5	8,285	7.8
9/26/03	<1	<1	1	<1	8,334	8.3
10/3/03	<1	<1	<1	<1	3,837	7.9
10/10/03	5	<1	6	<1	12,301	8.3
10/17/03	<1	<1	<1	<1	10,700	8.5
10/24/03	<1	<1	<1	<1	10,488	8.2
11/7/03	**14**	<1	**20**	<1	7,150	8.1
11/14/03	**11**	<2	**36**	<2	3,960	7.8
11/21/03	**42**	<5	**74**	<5	10,938	8.1
11/28/03	**13**	<1	**20**	<1	10,925	8.4
12/5/03	**15**	<1	**26**	<1	8,643	7.9
12/12/03	**43**	<5	**100**	<5	5,151	7.7
12/19/03	**19**	<2	**31**	<2	4,908	8.2
12/23/03	**<100**	**630**	**2000**	<100	872	8.3
12/30/03	2	<1	4	<1	942	8.0

TABLE 6-5
CUMULATIVE SUMMARY OF SPDES OUTFALL 03A ANALYTICAL RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Parameter					
	cis-1,2-DCE	trans-1,2-DCE	TCE	VC	Flow	pH
Permit Limits	10	10	10	10		
1/9/04	**56**	<5	**89**	<5	4,012	7.8
1/16/04	**84**	<5	**120**	<5	2,930	7.4
1/23/04	**39**	<5	**66**	<5	2,460	8.1
1/30/04	**14**	<1	**19**	<1	1,773	7.8
2/6/04	9	<1	**17**	<1	1,761	8.1
2/13/04	<1	<1	1	<1	2,514	8.3
2/20/04	<1	<1	1	<1	2,038	7.9
2/27/04	<1	<1	<1	<1	2,244	8.1
3/5/04	<1	<1	2	<1	5,382	8.1
3/12/04	<1	<1	1	<1	6,797	8.1
3/19/04	<1	<1	<1	<1	3,859	7.9
3/26/04	<1	<1	1	<1	33,050	8.3
4/2/04	<1	<1	<1	<1	12,260	7.6
4/8/04	<1	<1	1	<1	5,450	7.9
4/16/04	<1	<1	<1	<1	28,328	8.5
4/23/04	<1	<1	<1	<1	19,227	8.2
4/30/04	<1	<1	<1	<1	3,166	8.4
5/7/04	<1	<1	<1	<1	13,920	7.9
5/14/04	<1	<1	<1	<1	1,502	8.4
5/21/04	<1	<1	<1	<1	11,334	8.3
5/28/04	<1	<1	<1	<1	19,895	8.3
6/4/04	<1	<1	<1	<1	8,957	8.2
6/11/04	<1	<1	<1	<1	7,831	8.2
6/18/04	<1	<1	<1	<1	11,211	8.2
6/25/04	<1	<1	<1	<1	7,803	8.2
7/2/04	2.2	<1	7.2	<1	5,830	8.1
7/9/04	<1	<1	<1	<1	29,578	8.1
7/16/04	<1	<1	<1	<1	12,695	8.3
7/23/04	<1	<1	<1	<1	12,877	8.2
7/30/04	<1	<1	<1	<1	13,050	8.0
8/6/04	<1	<1	<1	<1	12,664	8.2
8/13/04	<1	<1	<1	<1	10,340	8.3
8/20/04	<1	<1	<1	<1	12,288	8.2
8/27/04	<1	<1	<1	<1	14,011	8.0
9/3/04	<1	<1	<1	<1	12,702	8.3
9/10/04	<1	<1	<1	<1	10,428	8.4
9/17/04	<1	<1	<1	<1	9,747	8.1
9/24/04	<1	<1	<1	<1	10,880	8.2
10/1/04	<1	<1	<1	<1	11,220	8.2
10/8/04	<1	<1	<1	<1	8,264	8.1
10/15/04	<1	<1	<1	<1	13,872	8.2
10/22/04	<1	<1	<1	<1	12,625	8.1
10/29/04	<1	<1	<1	<1	14,145	8.1
11/5/04	<1	<1	<1	<1	13,675	8.1
11/12/04	<1	<1	1.2	<1	12,620	8.4
11/19/04	<1	<1	<1	<1	12,605	8.2
11/24/04	<1	<1	1.4	<1	13,504	8.3
12/3/04	<1	<1	2.2	<1	12,419	8.1
12/10/04	<1	<1	1.8	<1	12,716	8.0
12/17/04	<1	<1	1	<1	3,698	8.3
12/23/04	<1	<1	3.9	<1	8,767	8.3

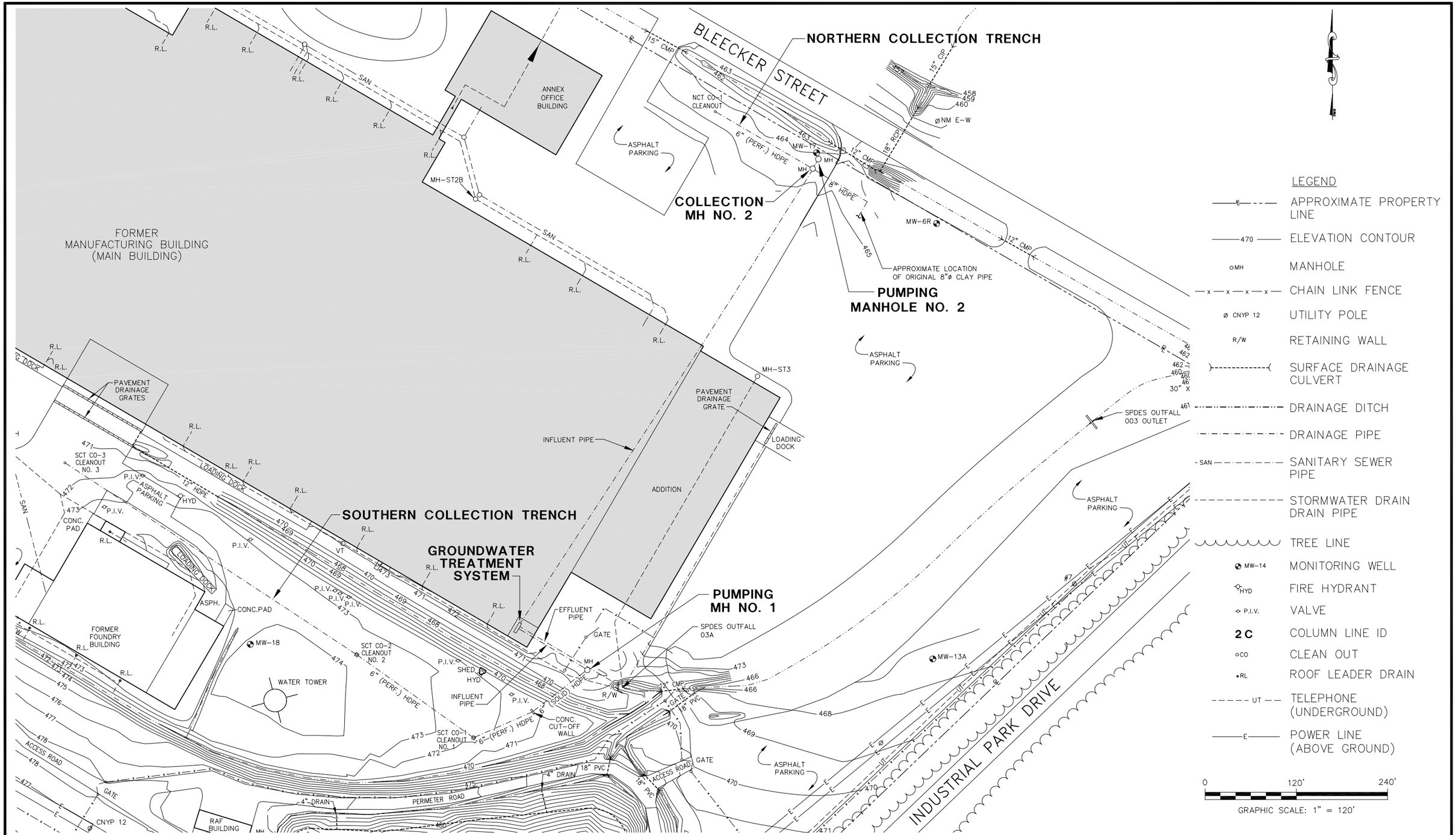
TABLE 6-5
CUMULATIVE SUMMARY OF SPDES OUTFALL 03A ANALYTICAL RESULTS

2005 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Parameter					
	cis-1,2-DCE	trans-1,2-DCE	TCE	VC	Flow	pH
Permit Limits	10	10	10	10		
1/14/05	<1	<1	<1	<1	8,905	8.1
1/21/05	<1	<1	1.2	<1	6,971	8.1
1/23/05	<1	<1	1.8	<1	2,963	8.0
2/4/05	<1	<1	1.3	<1	3,379	8.1
2/11/05	<1	<1	1.8	<1	6,500	8.7
2/18/05	<1	<1	<1	<1	3,849	8.4
2/25/05	<1	<1	1.1	<1	2,969	8.2
3/4/05	<1	<1	<1	<1	3,241	8.0
3/11/05	<1	<1	2.4	<1	3,056	8.1
3/18/05	<1	<1	<1	<1	3,056	8.2
3/24/05	<1	<1	1.9	<1	5,615	8.1
4/1/05	<1	<1	1.3	<1	7,289	8.3
4/8/05	<1	<1	<1	<1	15,204	8.0
4/15/05	<1	<1	<1	<1	12,577	8.0
4/22/05	<1	<1	<1	<1	10,360	8.1
4/23/05	<1	<1	<1	<1	15,531	8.0
5/13/05	<1	<1	<1	<1	11,029	8.0
5/20/05	230	<50	820	<50	8,919	8.1
5/27/05	<1	<1	<1	<1	8,489	8.2
6/3/2005	5 U	5 U	5 U	2 U	7723	8.07
6/9/2005	5 U	5 U	5 U	2 U	7010	8.1
6/30/2005	5 U	5 U	5 U	2 U	535	7.91
7/6/2005	5 U	5 U	5 U	2 U	ND	8
7/14/2005	5 U	5 U	5 U	2 U	20210	8.25
7/21/2005	5 U	5 U	5 U	2 U	18213	8.05
7/28/2005	5 U	5 U	5 U	2 U	ND	8.04
8/4/2005	5 U	5 U	5 U	2 U	12941	7.81
8/11/2005	No effluent discharge, no sample collected				10567	
8/18/2005	No effluent discharge, no sample collected				6549	
8/25/2005	No effluent discharge, no sample collected				6666	
9/1/2005	5 U	5 U	5 U	2 U	7629	8.17
9/8/2005	Treatment system not operating no sample collected.				5706	
9/13/2005	Treatment system not operating no sample collected.				90	
9/19/2005	Treatment system not operating no sample collected.				20	
9/27/2005	5 U	5 U	5 U	2 U	3720	8.14
10/6/2005	5 U	5 U	5 U	2 U	11975	8
10/13/2005	5 U	5 U	5 U	2 U	9759	8.07
10/20/2005	5 U	5 U	5 U	2 U	13197	8.26
10/27/2005	5 U	5 U	5 U	2 U	26743	8.1
11/3/2005	5 U	5 U	5 U	2 U	18193	7.99
11/10/2005	5 U	5 U	5 U	2 U	3684	8.14
11/16/2005	5 U	5 U	5 U	2 U	4467	8.13
11/22/2005	5 U	5 U	5 U	2 U	6232	8.26
12/1/2005	5 U	5 U	5 U	5.1	3876	7.9
12/8/2005	5 U	5 U	5 U	2 U	3947	8.15
12/15/2005	No effluent discharge, no sample collected				2677	
12/29/2005	No effluent discharge, no sample collected				8849	

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.
7) u = Not detected above the method detection limit.

6.7 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. 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
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB12.DWG

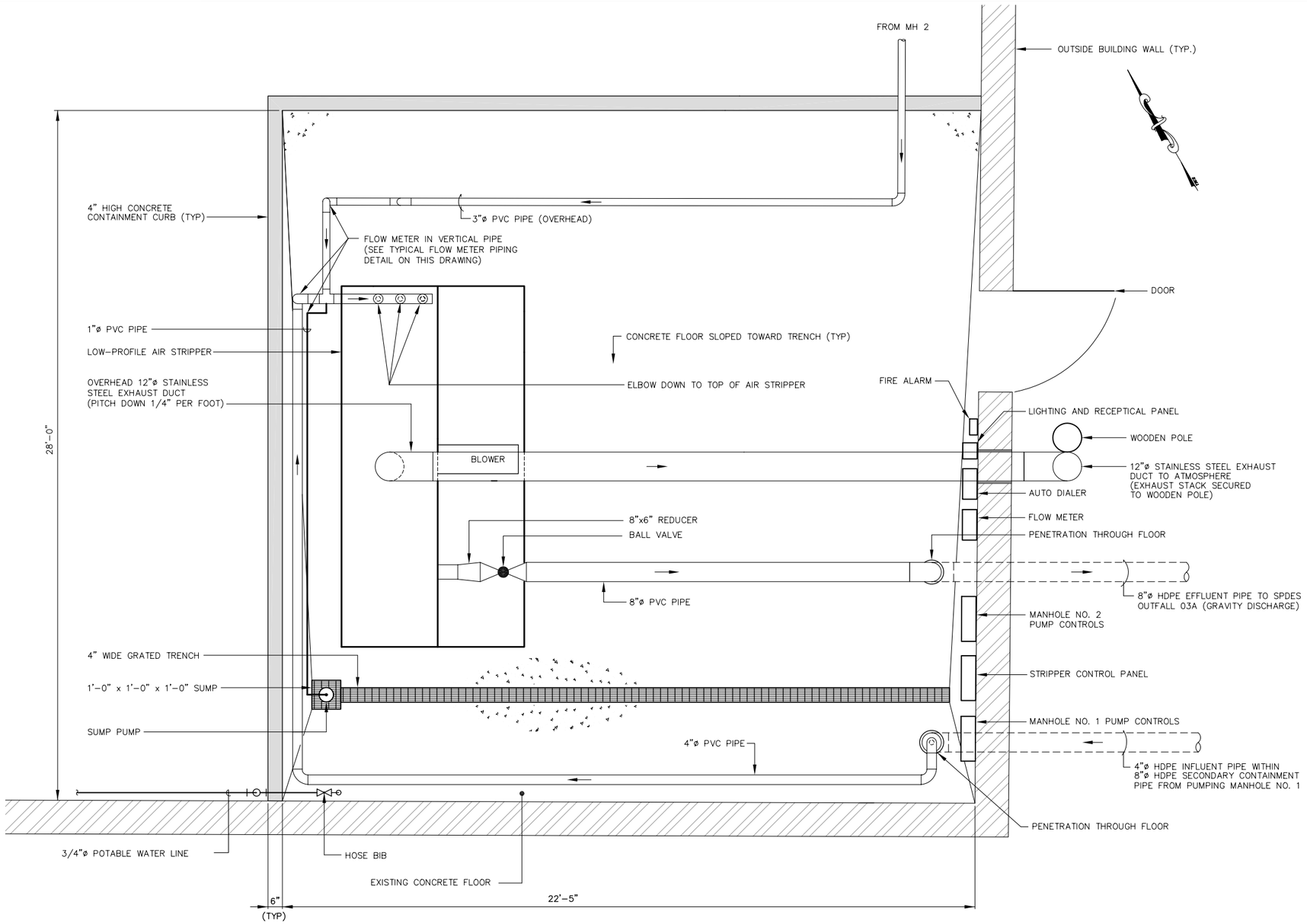
synapse
SYNAPSE RISK MANAGEMENT, LLC
400 UNIVERSITY BUILDING
120 EAST WASHINGTON STREET
SYRACUSE, NEW YORK 13202

2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

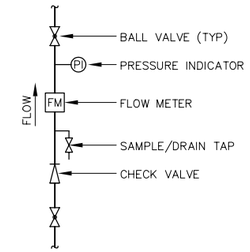
GROUNDWATER TREATMENT SYSTEM PLAN

PROJECT NO.: DANA 01-04
DATE: APRIL 2006
FIGURE NO.: 6-1



FLOOR PLAN

1/4" = 1'-0"



TYPICAL FLOW METER PIPING DETAIL

NOT TO SCALE

GRAPHIC SCALE

0 2' 4' 8'

1/4" = 1'-0"

X: CP-BASE
D2BBW
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB14.DWG

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SYRACUSE, NEW YORK 13202

2005 ANNUAL
OPERATION, MAINTENANCE, AND MONITORING REPORT

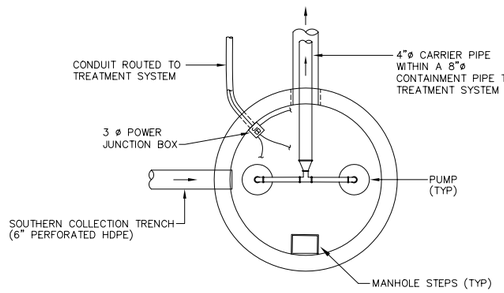
2200 BLEECKER STREET
UTICA, NEW YORK

AIR STRIPPER PLAN

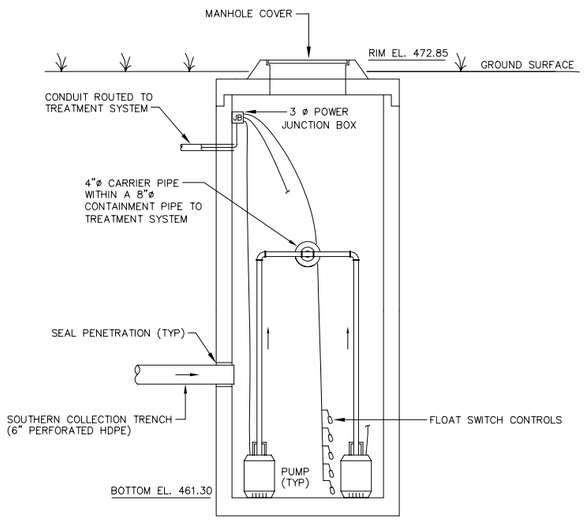
PROJECT NO.: DANA 01-04

DATE: APRIL 2006

FIGURE NO.: 6-2



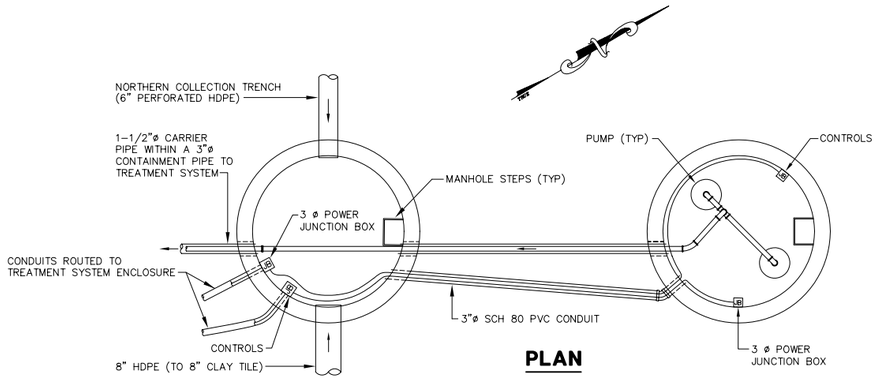
PLAN



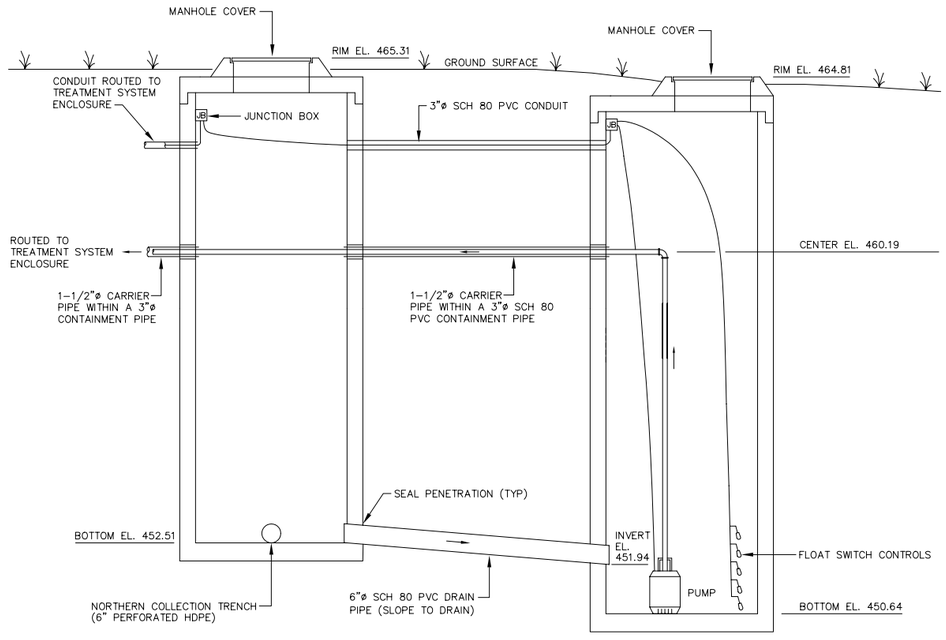
GENERAL SECTION

PUMPING MANHOLE NO. 1 PLAN AND SECTION

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



PLAN



COLLECTION MANHOLE **PUMPING MANHOLE**

GENERAL SECTION

PUMPING MANHOLE NO. 2 PLAN AND SECTION

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

0 4' 8'

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

X: CP-BASE
D2BBW
4/25/06
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB13.DWG

synapse

SYNAPSE RISK MANAGEMENT, LLC
400 UNIVERSITY BUILDING
120 EAST WASHINGTON STREET
SYRACUSE, NEW YORK 13202

2005 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

PUMPING MANHOLE PLANS AND SECTIONS

PROJECT NO.: DANA 01-04
DATE: APRIL 2006
FIGURE NO.: 6-3

APPENDIX A
SITE INSPECTION REPORTS – FORM A & FORM A1

2005 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

APRIL 2006

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: S. Matthews Date: 1-12-05

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓)	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows ____ Vegetation ____	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 124.3 Pump 2 Hours 214.1	✓
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: S. Matthews Date: 1-12-05

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 = 577 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:

Snow & ice covering area

synapse

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

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

Synapse Representative: R. Creighton Date: 2/10/05

Category		Inspected	Observation/Condition	✓
1	**General Property**			
	A	General Property Access	Snow Cover ✓ ✓ ✓	✓
	B	General Property Drainage	SPDES Outfall (001 ✓ 002 ___ 003 ___)	✓
2	**Cell Perimeter Components**			
	A	Perimeter and Access Roads	Snow Cover	✓
	B	Ditches	Snow Cover	✓
	C	Culverts	Snow Cover	✓
	D	Perimeter Fence	Gates Good	✓
	E	Utilities	Elec. ✓ Phone ✓	✓
3	**Containment Cell**			
	A	Surface Cover System	Burrows NO Vegetation NO	✓
	B	Gas Vents (2)		✓
	B'	PID Readings	(Y or (N)) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
	C	Collection Pipe / Cleanout	Not Viewed	✓
	D	Perimeter Drains (4)		✓
4	**Leachate Collection Manhole**			
	A	Structure	External ___ Internal ___	✓
	B	Pumps and Plumbing	Pump 1 Hours 124.4 Pump 2 Hours 214.1	✓
	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: 2/10/05

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 = 57,900 gal.	✓
	B	Secondary Containment	Liquid (Y or (N))	✓
	C	Piping Components		✓
	D	Electrical Components	Lock ✓ Light Bulbs ✓ Need 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: 3/7/0[illegible]

Category		Inspected	Observation/Condition	✓
1	**General Property**			
	A	General Property Access		✓
	B	General Property Drainage	SPDES Outfall (001____ 002____ 003____)	✓
2	**Cell Perimeter Components**			
	A	Perimeter and Access Roads		✓
	B	Ditches		✓
	C	Culverts		✓
	D	Perimeter Fence	Gates____	✓
	E	Utilities	Elec.____ Phone____	✓
3	**Containment Cell**			
	A	Surface Cover System	Burrows _____ Vegetation_____	✓
	B	Gas Vents (2)		✓
	B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
	C	Collection Pipe / Cleanout		✓
	D	Perimeter Drains (4)		✓
4	**Leachate Collection Manhole**			
	A	Structure	External___ Internal___	✓
	B	Pumps and Plumbing	Pump 1 Hours 12+ Pump 2 Hours 21+	✓
	B'	Pump Changeover	(Y or N) Lead Pump 2+ **Lag Pump** 1+	✓
	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: 3/7/05

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 = 5811 00 gal.	✓
	B	Secondary Containment	Liquid (Y or N)	✓
	C	Piping Components		✓
	D	Electrical Components	Lock ✓ Light Bulbs Need	✓
	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: S. Mathews Date: 4-6-05

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓)	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows None Vegetation Light	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 144.6 Pump 2 Hours 219.1	✓
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: S. Matthews Date: 4-6-05

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 = 583 00 gal.	✓
B	Secondary Containment	Liquid (Y or N) (water in driveway trench)	✓
C	Piping Components		✓
D	Electrical Components	Lock ✓ Light Bulbs ✓	✓
E	Leachate Sampling	(Y or N) (see Form C)	✓

Additional Comments:

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

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

Synapse Representative: S. Matthews

Received Alarm: (Y) or N

Tested Alarm: Y or (N)

Date Received: 4-12-05

Date Tested: _____

Time Received: 10:00

Channel No.	Function	Alarm Rec'd	Testing Results
1	Tank Level (@ 80%)		Measured:_____ Reading:_____
2	Tank High Level (100%)		
3	Tank Leak		
4	Tank 90% Full		
5	High Manhole Level		
6	Manhole Leak		
7	Pipe Leak	X	
8	Tank Low Temperature		
9	Inside Temperature		
10	Outside Temperature		
11-15	Not In Use		
16	Power Off		

Reason for Alarm: - False Alarm -

Action Taken: Reviewed ISSAC on-line (4.12.05) - No indication of alarm condition. Visited site on 4.13.05. Opened valve from 2° containment pipe. pressure and a few drops of H_2O came out.

Comments: No ~~significant~~ leak noted in system. Alarm condition most likely due to condensation buildup on sensor.

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INCIDENTAL INSPECTION REPORT (FORM A- 1)
OPERATION, MAINTENANCE AND MONITORING

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

Synapse Representative: 4-6-05 Date: S. Matthews

Category	Inspected	Observation/Condition	✓
1 Inspection Overview			
A	Reason for Inspection	RAF_____ GW_____ SPDES_____	
B	Regulatory Inspection	DER_____ DOW_____	
C	Photos Taken	35mm_____ Digital_____	
2 Groundwater Monitoring Wells			
A	Condition	MW-6R___, MW-13A___, MW-14___, MW-17___, MW-18___	
B	Water Levels	(Y or N) (see Form C)	
C	Groundwater Sampling	(Y or N) (see Form D)	
3 Collection Trenches			
A	MH-1	DTW_____ Total: 11.55	
B	MH-2C (Collection)	DTW 1.37 Total: 12.80	✓
C	MH-2P (Pumping)	DTW 1.28 Total: 14.17	✓
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 0 gal. Rate:_____gpm	
B	MH-2 - Flow Totalizer	Reading = 0 gal. Rate:_____gpm	
C	Sump - Flow Totalizer	Reading = 0 gal. Rate:_____gpm	
D	Blower Hours	Reading = _____ Hours.	

Additional Comments:

Water flowing into Collection Manhole (MH-2C)
Pumps not running at this time.

Contacts:

Synapse Syracuse Office	**475.3700**	**NYSDEC, DOW, Chad Kehoe**	**793.2554**
RAF	733.6230	Evergreen, Tom Gehig (cell)	**725.3200**
Coolidge Equities, Jessie Bailey	866.7403	Dodge Graphics, Don Zimbler	**735.9226**
Coolidge Maintenance, Charles Dovi	534.3490 (cell)	Utica Converters, Al Born	**733.8974**
NYSDEC, DER, Phil Waite	785.2605	**Deiorio's, Richard Viti**	**724.2401**
O'Brien and Gere – Martin Kovely	**729-1300 (cell)**		

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: S. Matthews Date: 6-2-05

Category		Inspected	Observation/Condition	✓
1	**General Property**			
	A	General Property Access		✓
	B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓)	✓
2	**Cell Perimeter Components**			
	A	Perimeter and Access Roads		✓
	B	Ditches		✓
	C	Culverts		✓
	D	Perimeter Fence	Gates ✓	✓
	E	Utilities	Elec. ✓ Phone ✓	✓
3	**Containment Cell**			
	A	Surface Cover System	Burrows ✓ 2 Burrows Vegetation ✓ (needs cut) Both closed	✓
	B	Gas Vents (2)		✓
	B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
	C	Collection Pipe / Cleanout		✓
	D	Perimeter Drains (4)		✓
4	**Leachate Collection Manhole**			
	A	Structure	External ✓ Internal ✓	✓
	B	Pumps and Plumbing	Pump 1 Hours 124.8 Pump 2 Hours 214.1	✓
	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)	✓

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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: S. Matthews Date: 6-2-05

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 = 567 00 gal.	✓
B	Secondary Containment	Liquid (Y or N)	✓
C	Piping Components		✓
D	Electrical Components	Lock ✓ Light Bulbs ✓	✓
E	Leachate Sampling	(Y or N) (see Form C)	✓

Additional Comments:

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

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

Synapse Representative: BRIAN MACRAE Date: 7/27/05

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001____ 002____ 003____)	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows ✓ Vegetation ✓	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ____ ppm, @ 20' ____ ppm, @ Vent ____ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External___ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 125.1 Pump 2 Hours 214.1	✓
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: BHM Date: 7/27/05

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 = 593 00 gal.	✓
	B	Secondary Containment	Liquid (Y or (N))	✓
	C	Piping Components		✓
	D	Electrical Components	Lock ✓ Light Bulbs ✓ Needs light bulb replacement	✓
	E	Leachate Sampling	(Y or (N)) (see Form C)	✓

Additional Comments:

Borrows: 1 on NE, SE & SW. Backfilled and graded. Will get moth balls & reseed.

Onsite Meeting w/ R. Corsale (DOO) & P. Waite (DEC) & Annual Inspection w/ P. Waite.

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: S. Matthews Date: 8-10-05

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓)	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows ✓ Vegetation ✓ (Holes smoked and filled @ NE & SE corners)	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 125 Pump 2 Hours 217	✓
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)	✓

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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: 8-10-05 Date: S. Matthews

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 = 5 95 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:

Leachate Sample Collected LT-13

2 Burrows Smoked and filled at RAF

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: Rob + Paul Date: 9-14-05

Category		Inspected	Observation/Condition	√
1	**General Property**			
	A	General Property Access		✓
	B	General Property Drainage	SPDES Outfall (001___ 002 ✓ TOP 003 ✓) DRY	✓
2	**Cell Perimeter Components**			
	A	Perimeter and Access Roads		✓
	B	Ditches	DRY + VEG	✓
	C	Culverts		✓
	D	Perimeter Fence	Gates ✓	✓
	E	Utilities	Elec. ✓ Phone ✓	✓
3	**Containment Cell**			
	A	Surface Cover System	Burrows 2 CONTOR Vegetation V. Good JUST MOWED	✓
	B	Gas Vents (2)		✓
	B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
	C	Collection Pipe / Cleanout		✓
	D	Perimeter Drains (4)		✓
4	**Leachate Collection Manhole**			
	A	Structure	External ✓ Internal ✓	✓
	B	Pumps and Plumbing	Pump 1 Hours 125.5 Pump 2 Hours 214.1	✓
	B'	Pump Changeover	(Y or N) Lead Pump 2 Lag Pump 1	✓
	B"	Test Automatic Pump Controls	LSHH ✓, LSH ✓, LSL ✓, LSLL ✓	✓
	C	Electrical Components	Test Pumps (Y or N), Light Bulbs ✓ MH POWER OUT	✓
	D	Manhole Interstitial Space	1" CONDENSATE	✓
	E	Conveyance Pipe	DRAIN — N/O WATER - LOW AIR RELEASE	✓
	F	Influent Pipe	FLOW = 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: Rob + Paul Date: 9-14-05

Category		Inspected	Observation/Condition	✓
5	**Building**			
	A	Structure	Lock ✓, Vent —, Heater N/O OPER. CLEAN GUTTERS	✓
	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) AFTER PUMP DOWN	✓
	A'	Flow Totalizer	Reading = 6000 00 gal.	✓
	B	Secondary Containment	Liquid (Y or N)	✓
	C	Piping Components	✓ TAPE INSULATION	✓
	D	Electrical Components	Lock ✓ Light Bulbs ✓ POWER OUT	✓
	E	Leachate Sampling	(Y or N) (see Form C) SAMPLED 8-24-05	✓

Additional Comments:

- PUMPED MH DOWN
- POMPED TANK DOWN
- FINALIZED TOX TEST AT 002 + 003

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INCIDENTAL INSPECTION REPORT (FORM A- 1)
OPERATION, MAINTENANCE AND MONITORING

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

~~DOMANI~~ Representative: ROG + PAUL Date: 9-14-05

Category		Inspected	Observation/Condition	✓
1	**Inspection Overview**			
	A	Reason for Inspection	RAF ✓ GW ____ SPDES ✓ (TOX)	✓
	B	Regulatory Inspection	DER ____ DOW ____	✓
	C	Photos Taken	35mm ____ Digital ✓	✓
2	**Groundwater Monitoring Wells**			
	A	Condition	MW-6R___, MW-13A___, MW-14___, MW-17___, MW-18___	✓
	B	Water Levels	(Y or N) (see Form C)	✓
	C	Groundwater Sampling	(Y or N) (see Form D)	✓
3	**Collection Trenches**			
	A	MH-1	DTW ____ Total: 11.55	✓
	B	MH-2C (Collection)	DTW ____ Total: 12.80	✓
	C	MH-2P (Pumping)	DTW ____ Total: 14.17	✓
4	**Air Stripper**			
	A	MH-1 - Flow Totalizer	Reading = 3097437 0 gal. Rate: 0 gpm	
	B	MH-2 - Flow Totalizer	Reading = 1243172 0 gal. Rate: 0 gpm	
	C	Sump - Flow Totalizer	Reading = 0021991 0 gal. Rate: 0 gpm	
	D	Blower Hours	Reading = 20450.5 Hours.	

Additional Comments:

STRIPPER — NO ALARMS ON

Contacts:

DOMANI Syracuse Office	**475.3700**	**NYSDEC, DOW, Chad Kehoe**	**793.2554**
RAF	733.6230	Evergreen, Tom Gehig (cell)	725.3200
Coolidge Equities, Jessie Bailey	866.7403	Dodge Graphics, Don Zimbler	735.9226
Coolidge Maintenance, Charles Dovi	534.3490 (cell)	Utica Converters, Al Born	733.8974
NYSDEC, DER, Phil Waite	785.2605	Deiorio's, Richard Viti	724.2401
O'Brien and Gere – Martin Kovely	729-1300 (cell)		

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

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

DOMANI Representative: Roc & Paul

Received Alarm: Y or (N)

Tested Alarm: (Y) or N

Date Received: ____

Date Tested: 9-14-05

Time Received: ____

Channel No.	Function	Alarm Rec'd	Testing Results
1	Tank Level (@ 80%) HIGH		Measured: 71.5" / 30.7" Reading: 72.56" / 29.92"
2	Tank High Level (100%)		OK
3	Tank Leak		OK
4	Tank 90% Full		OK
5	High Manhole Level		OK
6	Manhole Leak		OK
7	Pipe Leak		OK
8	Tank Low Temperature		OK (USED ICE)
9	Inside Temperature		80
10	Outside Temperature		82
11-15	Not In Use		X
16	Power Off		OK

Reason for Alarm: ____

Action Taken: ____

Comments: Pumped Tank Down And Discharge To Sanitary

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

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

Synapse Representative: R. Creighton Date: 9/14/05

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

LOCATION OF WORK (Manhole): Leachate Collection Manhole

HAZARDS IN THIS CONFINED SPACE: None

DESCRIPTION OF WORK: Annual Inspection

HAZARDS CREATED BY WORK TO BE DONE: None

OBSERVER: P. Fisher ENTRY LEADER: R. Creighton

EMPLOYEES ASSIGNED: P. Fisher, R. Creighton, S. Matthews

ENTRY DATE: 9/14/05 ENTRY TIME: 11:00 EXIT TIME: 11:25

OUTSIDE CONTRACTORS WORKING IN AREA:

1. Have all employees who will enter this space or act as standby received the following approvals and training: (CIRCLE ANSWER)

(Yes)	*No*	a.	Medical clearance within the past year.
(Yes)	*No*	b.	Training in confined space entry.
(Yes)	*No*	c.	Job emergency procedures have been reviewed with all employees involved.
(Yes)	*No*	d.	Completed rescue drill for this type of confined space.

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

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

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

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

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

Synapse Representative: R. Creighton Date: 9/14/25

4. Space has been/will be cleaned of any toxic residue or atmosphere by _____.
   Yes ____ *No* ✓ *N/A*

5. Moving machinery has been/will be locked out and immobilized. *Yes* ____ *No* ✓ *N/A*

6. Entry and exit to the space are provided by
   Yes ✓ *No* ____ *N/A*

7. Will work to be done in the space introduce contaminants to the space? *Yes* ____ *No* ✓ *N/A*

8. What is the capacity of blowers to be used in cubic feet per minute? N/A.

9. Have all affected departments been notified of service interruption? *Yes* ____ *No* ____ *N/A*

10. Atmospheric gas tests will be conducted by: P. Fisher
    Readings:
    Oxygen 19.5 (Not <20% or >22%) Flammability % 0% (LEL <10%) Toxic Gas 0 ppm (< ____ ppm)

11. Will a continuous monitoring device be used? *Yes* ✓ *No* ____ *Type:* _____

12. Calibration date of meters used in Items 10 and 11:
    a. 9/14/25 b. _____ c. _____

13. Emergency communications means: 2-Way ☐ Telephone ☐ Other ☒

14. Additional Comments:

_____

_____

I have inspected the space to enter and the safety equipment that will be used, and approve employees' entry into the confined space.

Signed: _____
Project Manager

_____
Site Health and Safety Officer

Approved: _____
Corporate Health and Safety

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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: S. Matthews Date: 10-11-05

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓)	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓ ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows NO Vegetation OK	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 125.4 Pump 2 Hours 21.4	✓
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: S. Matthews Date: 10-11-05

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 = 6800 00 gal.	✓
	B	Secondary Containment	Liquid (Y or N)	✓
	C	Piping Components		✓
	D	Electrical Components	Lock ✓ Light Bulbs ✓ See note	✓
	E	Leachate Sampling	(Y or N) (see Form C)	✓

Additional Comments:

~~Piping & Tank~~

Fiberglass panel separating Rum tank (exterior) at N.E. Corner

Power light not on (Tank Pump)

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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: S. Matthews Date: 11-15-05

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓)	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows No Vegetation OK	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 425.1 Pump 2 Hours 214.1	✓
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: S. Matthews Date: 10-11-05

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 = 600 00 gal.	✓
	B	Secondary Containment	Liquid (Y or N)	✓
	C	Piping Components	✓	✓
	D	Electrical Components	Lock ✓ Light Bulbs ✓ See note	✓
	E	Leachate Sampling	(Y or N) (see Form C)	✓

Additional Comments:

~~Fiberglass Tank~~ Panel OK

Fiberglass Panel separating Drum tank (exterior) at N.E. Corner

Power light not on (Tank Panel)

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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: S. Matthews Date: 11-15-05

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓)	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows No Vegetation OK	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 125.1 Pump 2 Hours 214.1	✓
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: S. Matthews Date: 11-15-05

Category		Inspected	Observation/Condition	√
5	**Building**			
A	Structure		Lock Y, 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 = 60x 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:

Fiberglass panel seperated from exterior of tank @ N.E.C.

Power light not on on tank panel.

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: 12/28/05

Category	Inspected	Observation/Condition	√
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001____ 002____ 003____)	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches		✓
C	Culverts		✓
D	Perimeter Fence	Gates____	✓
E	Utilities	Elec.____ Phone____	✓
3 Containment Cell			
A	Surface Cover System	Burrows _____ Vegetation_____	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background ____ ppm, @ 20' ____ ppm, @ Vent ____ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External___ Internal___	✓
B	Pumps and Plumbing	Pump 1 Hours 126.9 Pump 2 Hours 214.1	✓
B'	Pump Changeover	(Y or N) Lead Pump N Lag Pump N	✓
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: 12/28/05

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 = 60,90 00 gal.	✓
B		Secondary Containment	Liquid (Y or (N))	✓
C		Piping Components		✓
D		Electrical Components	Lock Y Light Bulbs Need Light Bulbs on Tank & pad	✓
E		Leachate Sampling	(Y or (N)) (see Form C)	✓

Additional Comments:

Perimeter Signs Need replacement!

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

2005 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

APRIL 2006

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

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

~~DOMANI~~ Representative: Ron + Paul

Received Alarm: Y or (N)

Tested Alarm: (Y) or N

Date Received: ____

Date Tested: 9-14-05

Time Received: ____

Channel No.	Function	Alarm Rec'd	Testing Results
1	Tank Level (@ 80%) HIGH		Measured: 71.5"/30.7" Reading: 72.56"/29.92"
2	Tank High Level (100%)		OK
3	Tank Leak		OK
4	Tank 90% Full		OK
5	High Manhole Level		OK
6	Manhole Leak		OK
7	Pipe Leak		OK
8	Tank Low Temperature		OK (USED ICE)
9	Inside Temperature		80
10	Outside Temperature		82
11-15	Not In Use		X
16	Power Off		OK

Reason for Alarm: ____

Action Taken: ____

Comments: Pumped Tank Down And Discharge To Sanitary

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

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

Synapse Representative: S. Matthews

Tested Alarm: Y or (N)

Date Tested: _____

Received Alarm: (Y) or N

Date Received: 4-12-05

Time Received: 10:00

Channel No.	Function	Alarm Rec'd	Testing Results
1	Tank Level (@ 80%)		Measured:_____ Reading:_____
2	Tank High Level (100%)		
3	Tank Leak		
4	Tank 90% Full		
5	High Manhole Level		
6	Manhole Leak		
7	Pipe Leak	X	
8	Tank Low Temperature		
9	Inside Temperature		
10	Outside Temperature		
11-15	Not In Use		
16	Power Off		

Reason for Alarm: - False Alarm -

Action Taken: Reviewed ISSAC on-line (4.12.05) - No indication of alarm condition. Visited site on 4.13.05. Opened valve from 2° containment pipe. pressure and a few drops of H_2O came out.

Comments: No ~~significant~~ leak noted in system. Alarm condition most likely due to condensation buildup on sensor.

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APPENDIX C
LEACHATE DISPOSAL CORRESPONDENCE AND ANALYTICAL DATA

2005 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

APRIL 2006

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December 15, 2005

Mr. R.D. Hoffman
Industrial Wastes Chemist
Oneida County Department of
Water Quality and Water Pollution Control
51 Leland Avenue, PO Box 442
Utica, New York 13503-0442

RE: **Semi-Annual Report**
Utica Holding Company
2200 Bleecker Street, Utica, New York
Permit No. GW-050

Dear Mr. Hoffman:

On behalf of Utica Holding Company (UHC), Synapse submits this letter in response to your October 10, 2005 letter request for submittal of a Semi-Annual Report for the Groundwater Discharge Permit No. GW-050 for the above referenced property.

This correspondence provides the volumes for the following discharge event that occurred during the May 31st through November 30th 2005 reporting period:

- 2,810 gallons were discharged on September 14, 2005.

If you require further information, please contact me directly at 315.475.3700.

Regards,

Synapse Risk Management, LLC

Roger Creighton
Senior Associate

Enclosures

cc: Carl S. Grabinski, Esq., Utica Holding Company

ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL
51 Leland Ave, PO Box 442, Utica, NY 13503-0442
(315) 798-5656 wpc@ocgov.net FAX 724-9812

Joseph A. Griffo
County Executive

Steven P. Devan, P.E.
Commissioner

September 13, 2005

MR. ROGER CREIGHTON
SYNAPSE RISK MANAGEMENT LLC
400 UNIVERSITY BUILDING
120 EAST WASHINGTON STREET
SYRACUSE NY 13202

Re: Utica Holding Company Storm Sewer, Permit No.GW-050

Dear Mr. Creighton:

Analyses for sample LT-13 faxed on 09/13/05, representing 2,810 gallons of effluent water, show compliance with discharge limits specified in Permit No. GW-050 for the Utica Holding Company Storm Sewer Project. The wastewater is acceptable for discharge.

Sincerely,

THE ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL

RD Hoffman

R.D. Hoffman
Industrial Wastes Chemist

cc: Synapse FAX (315)-475-3780

synapse

☐ URGENT

☒ FOR REVIEW

☐ PLEASE COMMENT

☐ PLEASE REPLY

ORIGINAL TO FOLLOW
VIA US POSTAL SERVICE
OR FEDERAL EXPRESS

☐ YES
☐ NO

To:	R.D. Hoffman	From:	Roger Creighton
Company:	OCDWQ&WPC	Date:	September 13, 2005
Fax Number:	(315) 724-9812	Total Pages:	7
Phone Number:	(315) 798-5656	Reference No:	
Subject:		cc:	

Mr. R.D. Hoffman,

Please find attached analytical results for the effluent water sample (LT-13) collected at, 2200 Bleecker Street, Utica, New York, former site of the Chicago Pneumatic Tool Company. We request your review and faxed acceptance to release 2,810 gallons on September 14, 2004. Thank You.

Regards,

Roger Creighton

400 University Building 120 East Washington Street , Syracuse, NY 13202 www.synapseriskmanagement.com 315-475-3700 315-475-3780F

LSL

RECEIVED
AUG 2 6 2005

Roger Creighton
Synapse Risk Management, LLC
120 East Washington Street
Suite 400
Syracuse, NY 13202

Phone: (315) 475-3700
FAX: (315) 475-3780
Authorization: PO# 001-05-02

Laboratory Analysis Report

For

Synapse Risk Management, LLC

Client Project ID:

Leachate Sampling / 2200 Bleecker St., Utica, NY

LSL Project ID: **0513460**

Receive Date/Time: 08/10/05 14:18

Project Received by: RD

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1105
Fax (315) 445-1301
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Lab
30 East Main Street
Cuba, NY 14727
Tel. (585) 968-2640
Fax (585) 968-0906
NYS DOH ELAP #10760

LSL MidLakes Lab
699 South Main Street
Canandaigua, NY 14424
Tel. (585) 396-0270
Fax (585) 396-0377
NYS DOH ELAP #11369

This report was reviewed by: Life Science Laboratories, Inc. *Date:* 8/24/05

A copy of this report was sent to:

Date Printed: 8/24/05

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID:	LT-13	**LSL Sample ID:**	0513460-001
Location:	2200 Bleecker St., Utica		
Sampled:	08/10/05 11:30 **Sampled By:** SM		
Sample Matrix:	NPW		

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 160.2 Total Suspended Solids					
Total Suspended Solids @ 103-105 C	<4	mg/l		8/11/05	MM
(5) EPA 1664 Oil + Grease by LLE					
Oil & Grease	<5	mg/l		8/16/05	MLL
(1) EPA 200.7 Priority Pollutant Metals					
Cadmium	<0.01	mg/l	8/15/05	8/15/05	DP
Chromium	<0.01	mg/l	8/15/05	8/15/05	DP
Copper	0.037	mg/l	8/15/05	8/15/05	DP
Lead	<0.01	mg/l	8/15/05	8/15/05	DP
Nickel	<0.01	mg/l	8/15/05	8/15/05	DP
Zinc	0.073	mg/l	8/15/05	8/15/05	DP
(1) EPA 608 PCB's					
Aroclor-1016	<0.1	ug/l	8/16/05	8/24/05	BW
Aroclor-1221	<0.1	ug/l	8/16/05	8/24/05	BW
Aroclor-1232	<0.1	ug/l	8/16/05	8/24/05	BW
Aroclor-1242	<0.1	ug/l	8/16/05	8/24/05	BW
Aroclor-1248	<0.1	ug/l	8/16/05	8/24/05	BW
Aroclor-1254	<0.1	ug/l	8/16/05	8/24/05	BW
Aroclor-1260	<0.1	ug/l	8/16/05	8/24/05	BW
Surrogate (DCB)	108	%R	8/16/05	8/24/05	BW
(1) EPA 608 Pesticides					
Aldrin	<0.02	ug/l	8/16/05	8/24/05	BW
alpha-BHC	<0.02	ug/l	8/16/05	8/24/05	BW
beta-BHC	<0.02	ug/l	8/16/05	8/24/05	BW
delta-BHC	<0.02	ug/l	8/16/05	8/24/05	BW
gamma-BHC (Lindane)	<0.02	ug/l	8/16/05	8/24/05	BW
Chlordane, Total	<0.02	ug/l	8/16/05	8/24/05	BW
4,4'-DDD	<0.04	ug/l	8/16/05	8/24/05	BW
4,4'-DDE	<0.04	ug/l	8/16/05	8/24/05	BW
4,4'-DDT	<0.04	ug/l	8/16/05	8/24/05	BW
Dieldrin	<0.04	ug/l	8/16/05	8/24/05	BW
Endosulfan I	<0.02	ug/l	8/16/05	8/24/05	BW
Endosulfan II	<0.04	ug/l	8/16/05	8/24/05	BW
Endosulfan sulfate	<0.04	ug/l	8/16/05	8/24/05	BW
Endrin	<0.04	ug/l	8/16/05	8/24/05	BW
Endrin aldehyde	<0.04	ug/l	8/16/05	8/24/05	BW
Heptachlor	<0.02	ug/l	8/16/05	8/24/05	BW
Heptachlor epoxide	<0.02	ug/l	8/16/05	8/24/05	BW
Methoxychlor	121	ug/l	8/16/05	8/24/05	BW
Toxaphene	<0.02	ug/l	8/16/05	8/24/05	BW
Surrogate (DCB)	81	%R	8/16/05	8/24/05	BW
(1) EPA 624 Volatiles					
Benzene	<1	ug/l		8/17/05	BD
Bromodichloromethane	<1	ug/l		8/17/05	BD
Bromoform	<1	ug/l		8/17/05	BD
Bromomethane	<1	ug/l		8/17/05	BD

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: LT-13 LSL Sample ID: 0513460-001

Location: 2200 Bleecker St., Utica

Sampled: 08/10/05 11:30 Sampled By: SM

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 624 Volatiles					
Carbon tetrachloride	<1	ug/l		8/17/05	BD
Chlorobenzene	<1	ug/l		8/17/05	BD
Chloroethane	<1	ug/l		8/17/05	BD
2-Chloroethylvinyl ether	<10	ug/l		8/17/05	BD
Chloroform	<1	ug/l		8/17/05	BD
Chloromethane	<1	ug/l		8/17/05	BD
Dibromochloromethane	<1	ug/l		8/17/05	BD
1,2-Dichlorobenzene	<1	ug/l		8/17/05	BD
1,3-Dichlorobenzene	<1	ug/l		8/17/05	BD
1,4-Dichlorobenzene	<1	ug/l		8/17/05	BD
1,1-Dichloroethane	<1	ug/l		8/17/05	BD
1,2-Dichloroethane	<1	ug/l		8/17/05	BD
1,1-Dichloroethene	<1	ug/l		8/17/05	BD
trans-1,2-Dichloroethene	<1	ug/l		8/17/05	BD
1,2-Dichloropropane	<1	ug/l		8/17/05	BD
cis-1,3-Dichloropropene	<1	ug/l		8/17/05	BD
trans-1,3-Dichloropropene	<1	ug/l		8/17/05	BD
Ethyl benzene	<1	ug/l		8/17/05	BD
Methylene chloride	<1	ug/l		8/17/05	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/17/05	BD
Tetrachloroethene	<1	ug/l		8/17/05	BD
Toluene	<1	ug/l		8/17/05	BD
1,1,1-Trichloroethane	<1	ug/l		8/17/05	BD
1,1,2-Trichloroethane	<1	ug/l		8/17/05	BD
Trichloroethene	<1	ug/l		8/17/05	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/17/05	BD
Vinyl chloride	<1	ug/l		8/17/05	BD
Xylenes (Total)	<1	ug/l		8/17/05	BD
Surrogate (1,2-DCA-d4)	86	%R		8/17/05	BD
Surrogate (Tol-d8)	111	%R		8/17/05	BD
Surrogate (4-BFB)	101	%R		8/17/05	BD
(1) EPA 625 Semi-Volatiles					
Acenaphthene	<5	ug/l	8/12/05	8/15/05	CRT
Acenaphthylene	<5	ug/l	8/12/05	8/15/05	CRT
Anthracene	<5	ug/l	8/12/05	8/15/05	CRT
Benzidine	<20	ug/l	8/12/05	8/15/05	CRT
Benzo(a)anthracene	<5	ug/l	8/12/05	8/15/05	CRT
Benzo(b)fluoranthene	<5	ug/l	8/12/05	8/15/05	CRT
Benzo(k)fluoranthene	<5	ug/l	8/12/05	8/15/05	CRT
Benzo(ghi)perylene	<5	ug/l	8/12/05	8/15/05	CRT
Benzo(a)pyrene	<5	ug/l	8/12/05	8/15/05	CRT
4-Bromophenyl-phenylether	<5	ug/l	8/12/05	8/15/05	CRT
Butylbenzylphthalate	<5	ug/l	8/12/05	8/15/05	CRT
bis(2-Chloroethoxy)methane	<5	ug/l	8/12/05	8/15/05	CRT
bis(2-Chloroethyl)ether	<5	ug/l	8/12/05	8/15/05	CRT
bis(2-Chloroisopropyl)ether	<5	ug/l	8/12/05	8/15/05	CRT
4-Chloro-3-methylphenol	<5	ug/l	8/12/05	8/15/05	CRT

Life Science Laboratories, Inc.

Date Printed: 8/24/05

Analysis performed at: *(1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes*

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: LT-13 LSL Sample ID: 0513460-001

Location: 2200 Bleecker St., Utica

Sampled: 08/10/05 11:30 Sampled By: SM

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 625 Semi-Volatiles					
2-Chloronaphthalene	<5	ug/l	8/12/05	8/15/05	CRT
2-Chlorophenol	<5	ug/l	8/12/05	8/15/05	CRT
4-Chlorophenyl-phenylether	<5	ug/l	8/12/05	8/15/05	CRT
Chrysene	<5	ug/l	8/12/05	8/15/05	CRT
Dibenz(a,h)anthracene	<5	ug/l	8/12/05	8/15/05	CRT
Di-n-butylphthalate	<5	ug/l	8/12/05	8/15/05	CRT
1,2-Dichlorobenzene	<5	ug/l	8/12/05	8/15/05	CRT
1,3-Dichlorobenzene	<5	ug/l	8/12/05	8/15/05	CRT
1,4-Dichlorobenzene	<5	ug/l	8/12/05	8/15/05	CRT
3,3'-Dichlorobenzidine	<10	ug/l	8/12/05	8/15/05	CRT
2,4-Dichlorophenol	<5	ug/l	8/12/05	8/15/05	CRT
2,4-Dimethylphenol	<5	ug/l	8/12/05	8/15/05	CRT
Diethylphthalate	<5	ug/l	8/12/05	8/15/05	CRT
Dimethylphthalate	<5	ug/l	8/12/05	8/15/05	CRT
2,4-Dinitrophenol	<10	ug/l	8/12/05	8/15/05	CRT
2,4-Dinitrotoluene	<5	ug/l	8/12/05	8/15/05	CRT
2,6-Dinitrotoluene	<5	ug/l	8/12/05	8/15/05	CRT
Di-n-octylphthalate	<5	ug/l	8/12/05	8/15/05	CRT
bis(2-Ethylhexyl)phthalate	10	ug/l	8/12/05	8/15/05	CRT
Fluoranthene	<5	ug/l	8/12/05	8/15/05	CRT
Fluorene	<5	ug/l	8/12/05	8/15/05	CRT
Hexachlorobenzene	<5	ug/l	8/12/05	8/15/05	CRT
Hexachlorobutadiene	<5	ug/l	8/12/05	8/15/05	CRT
Hexachlorocyclopentadiene	<10	ug/l	8/12/05	8/15/05	CRT
Hexachloroethane	<5	ug/l	8/12/05	8/15/05	CRT
Indeno(1,2,3-c,d)pyrene	<5	ug/l	8/12/05	8/15/05	CRT
Isophorone	<5	ug/l	8/12/05	8/15/05	CRT
2-Methyl-4,6-dinitrophenol	<10	ug/l	8/12/05	8/15/05	CRT
Naphthalene	<5	ug/l	8/12/05	8/15/05	CRT
Nitrobenzene	<5	ug/l	8/12/05	8/15/05	CRT
2-Nitrophenol (o-Nitrophenol)	<5	ug/l	8/12/05	8/15/05	CRT
4-Nitrophenol	<5	ug/l	8/12/05	8/15/05	CRT
N-Nitrosodimethylamine	<5	ug/l	8/12/05	8/15/05	CRT
N-Nitrosodiphenylamine	<5	ug/l	8/12/05	8/15/05	CRT
N-Nitroso-di-n-propylamine	<5	ug/l	8/12/05	8/15/05	CRT
Pentachlorophenol	<10	ug/l	8/12/05	8/15/05	CRT
Phenanthrene	<5	ug/l	8/12/05	8/15/05	CRT
Phenol	<5	ug/l	8/12/05	8/15/05	CRT
Pyrene	<5	ug/l	8/12/05	8/15/05	CRT
1,2,4-Trichlorobenzene	<5	ug/l	8/12/05	8/15/05	CRT
2,4,6-Trichlorophenol	<5	ug/l	8/12/05	8/15/05	CRT

LSL

SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

Method	Surrogate(s)	Water Limits, %R	SHW Limits, %R
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	80-120	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Dodecane	40-110	40-110
DOH 310-14	Dodecane	40-110	40-110
DOH 310-15	Dodecane	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter ug/kg = microgram per kilogram mg/l = milligram per liter mg/kg = milligram per kilogram %R = Percent Recovery

Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

LSL Central Lab.
5854 Butternut Drive
E. Syracuse, NY 13057
Phone: 315-445-1105
Fax: 315-445-1301

LSL North Lab.
131 St. Lawrence Ave.
Waddington, NY 13694
Phone: 315-388-4476
Fax: 315-388-4061

LSL Finger Lakes Lab.
16 N. Main St., PO Box 424
Wayland, NY 14572
Phone: 585-728-3320
Fax: 585-728-2711

LSL Southern Tier Lab.
30 East Main St.
Cuba, NY 14727
Phone: 585-968-2640
Fax: 585-968-2640

Turnaround Time

Normal	Pre-Authorized				
14 DAY [X]	Next Day* [ ]	3-Day * [ ]	*Additional Charges may apply
	2-Day * [ ]	7-Day* [ ]	

Report Address:

Name: Roger Creighton
Company: Synapse Risk Management
Street: 120 E. Washington Street, Suite 400
City/State: Syracuse, NY Zip: 13202
Phone: 475-3700 Fax: 475-3780
Email: rcreighton@synapseriskmanagement.com

Date Needed or Special Instructions:

Authorization or P.O. # DANA 001-05-02

LSL Project Number:

Client Project ID/Client Site ID

Leachate Sampling / 2200 Bleecker St, Utica, NY

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv. Added	Containers #	Containers size/type	Analyses	Preserv Check	LSL ID#
~~LT-11~~ LT-13	8-10-05	1130	Grab	W	HCl	2	40 ml/ voa	VOCs by EPA Method 624		
~~LT-11~~ LT-13		1130	Grab	W	--	1	1-Liter Amber	SVOCs by EPA Method 625		
~~LT-11~~ LT-13		1130	Grab	W	HNO_3	1	1-500 ml plastic	Select Metals by EPA Method 200.7 (Cd, Cr, Cu, Pb, Ni, Zn)		
~~LT-11~~ LT-13		1130	Grab	W	--	1	1-Liter Amber	PCBs/Pesticides by EPA Method 608		
~~LT-11~~ LT-13		1130	Grab	W	HCl	1	1-Liter Amber	Oil and Grease by EPA Method 1664	5ML	
~~LT-11~~ LT-13		1130	Grab	W	--	1	250-ml plastic	TSS by EPA Method 160.2		
Trip Blank	√									

LSL use only:

Temp. of samples:

Containers this C-O-C:

Custody Transfers

		Date	Time
Sampled By: S. Heath Hayes	Received By:		
Relinquished By: S. Heath Hayes	Received By:		
Relinquished By:	Rec'd for Lab By:		
Shipment Method:	Received Intact: Y N		

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***

APPENDIX D
WATER LEVEL FIELD LOGS - FORM D

2005 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

APRIL 2006

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. Crenshaw Date: 4/27/05

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	3.93	461.54	6.58	8:50	
MW-13A	10.92	10.91	469.23	2.72	466.51	8.19	9:00	
MW-14	13.00	12.99	478.37	3.24	475.13	9.75	9:10	
MW-17	11.25	11.25	466.02	11.20	454.82	0.05	9:15	
MW-18	11.73	11.70	475.96	4.90	471.06	6.80	9:20	
SCT CO-1		6.31	472.30	5.85	466.45		9:22	
SCT CO-2		8.51	473.42	7.70	465.72		9:25	
SCT CO-3		4.46	471.21	3.61	467.60		9:28	
NCT CO-1			464.70	DRY	—		9:17	
MH-2 (Collection)	12.80		465.31	11.15	454.16		9:18	

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: S. Matthews Date: 10-20-05

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	10.50	465.47	~~4.06~~ 4.32	461.15	6.18	9:00	
MW-13A	10.92	11.07	469.23	4.06	465.17	7.01	9:10	
MW-14	13.00	12.80	478.37	3.90	474.47	8.90	9:15	
MW-17	11.25	11.25	466.02	11.20	455.00	.05	9:20	
MW-18	11.73	11.79	475.96	6.30	469.66	5.49	9:25	
SCT CO-1		6.30±	472.30	Dry			9:27	Dry
SCT CO-2		8.50±	473.42	7.70			9:29	
SCT CO-3		9.45±	471.21	Dry			9:30	Dry
NCT CO-1			464.70	Dry			9:22	
MH-2 (Collection)	12.80		465.31	12.67	452.64	0.13	9:23	

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 areApproximate)
7) MH = Manhole

General Comments:

VOCs/PCBs Collected 10-20-05

Metals Collected 10-21-05

synapse

APPENDIX E
GROUNDWATER SAMPLING LOGS – FORM E

2005 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

APRIL 2006

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

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

Synapse Representative: L. Creighton Date: 4/27/05 Well Number: MW- 13A

AIR MONITORING

PID Model: NA Background: NA ppm At Well NA ppm

WELL PURGING

Purge Volume

TD = Total Depth of Well (from Form C)

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9)

Purge Volume Calculation: *(for 2" diameter well)* (10.91 *TD (ft.)* - 2.72 *WL (ft.)*) x .163 *Vol/ft.* x 3.93 *#VOLS* = 4.0 *Purge Vol.* Gallons *(Vol/ft = 0.163 for 2" OD)*

Purge Method

Bailer Type: Reusable X Disposable ____ Dedicated

Actual Volume Generated

_____ Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
11:10	1	12.0	0.60	3.46	10.0	60	6.8	
11:14	2	10.8	0.629	5.29	10.05	67	6.7	
11:23	3	10.5	0.642	8.47	11.46	356	6.7	
11:28	4							
11:30	~	11.9	0.648	--	10.59	49	7.3	

WELL SAMPLING

Sample ID: MW-13A (11:30) Receiving Lab (Chain of Custody): _____

General Notes:

synapse

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

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

e Representative: L. Creighton Date: 4/27/05 Well Number: MW-14

AIR MONITORING

Model: NA Background: NA ppm At Well NA ppm

WELL PURGING

urge Volume

TD = Total Depth of Well (from Form C)

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9)

Purge Volume Calculation: (12.99 - 3.24) x .163 x 4.68 = 5.0 Gallons
(for 2" diameter well) TD (ft.) WL (ft.) Vol/ft. #VOLS Purge Vol. (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable X Disposable ____ Dedicated

Actual Volume Generated

_____ Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
10:01	1	8.0	0.57	4.25	15.20	14	6.7	
10:05	2	7.0	0.54	6.83	14.8	38	6.7	
10:15	3	7.1	0.56	10.67	14.90	65	6.8	
04-22-05								
1045		8.2	0.49	~~8.2~~	13.11	23	7.2	

WELL SAMPLING

Sample ID: MW-14 (10:35) Receiving Lab (Chain of Custody): _____

General Notes: Overcast light rain

Some Sand back in bottom of bailer

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

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

Synapse Representative: L. Creighton Date: 4/27/05 Well Number: MW-6R

AIR MONITORING

PID Model: NA Background: NA ppm At Well NA ppm

WELL PURGING

Purge Volume

TD = Total Depth of Well (from Form C)

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9)

Purge Volume Calculation: *(for 2" diameter well)* (10.51 - 3.93) x .163 x 3.15 = 3.0 Gallons
TD (ft.) *WL (ft.)* *Vol/ft.* *#VOLS* *Purge Vol.* *(Vol/ft = 0.163 for 2" OD)*

Purge Method

Bailer Type: Reusable X Disposable ____ Dedicated

Actual Volume Generated

_____ Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
13:30	1	10.6	.244	7.22	11.23	>1000	6.6	
13:42	2	10.5	.611	6.91	11.20	>1000	6.5	
13:57	3	9.9	.635	9.94	11.60	834	6.5	
1400		10.6	.561		10.86	221	6.8	

14:25:05

WELL SAMPLING

Sample ID: MW-6R MS/MSD (14:10) Receiving Lab (Chain of Custody): _____

General Notes:

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: L. Crocitto Date: 4/27/05 Well Number: MW-18

AIR MONITORING

PID Model: NA Background: N/A ppm At Well NA ppm

WELL PURGING

Purge Volume

TD = Total Depth of Well (from Form C)

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9)

Purge Volume Calculation: (for 2" diameter well) (11.70 (TD ft.) - 4.95 (WL ft.)) x .163 (Vol/ft.) x 3.24 (#VOLS) = 3.5 (Purge Vol.) Gallons (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable X Disposable ____ Dedicated

Actual Volume Generated

_____ Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
11:55	1	8.3	.717	5.71	12.92	51	6.7	
12:01	2	7.7	.733	8.43	13.10	111	6.8	
12:13	3	7.4	.734	9.21	12.89	188	6.8	
04/28 at 11:15		8.4	.737		12.68	27	7.2	

WELL SAMPLING

Sample ID: MW-18 (12:15) Duplicate: 042705 Receiving Lab (Chain of Custody): _____

General Notes:

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: S. Matthews Date: 10-20-05 Well Number: MW-6R

AIR MONITORING

PID Model: _____ Background: _____ ppm At Well _____ ppm

WELL PURGING

Purge Volume

TD = Total Depth of Well (from Form C)

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9)

Purge Volume Calculation: (for 2" diameter well)

(10.50 - 4.32) x .163 = 1.00 x 3 = 3 Gallons

TD (ft.) - WL (ft.) x Vol/ft. x #VOLS = Purge Vol. (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable _____ Disposable _____ Dedicated

Actual Volume Generated

3 Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
1035	Start-up	17.2	.355		7.97	512	6.60	
1040	1	17.0	.394	6.35	8.09	320	6.70	
1045	2	17.4	.392	6.85	8.27	233	6.72	
1100	3	17.7	.379	6.75	8.10	350	6.69	

WELL SAMPLING

Sample ID: MW-6R Receiving Lab (Chain of Custody): _____

General Notes:

MS/MSD & Dup (Dup102005 & ~~Dup102105~~) collected from MW-6R

Metals collected 10-21-05

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: S Matthews Date: 10-20-05 Well Number: MW-13A

AIR MONITORING

PID Model: ______ Background: ______ ppm At Well ______ ppm

WELL PURGING

Purge Volume

TD = Total Depth of Well (from Form C)

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9) 7.01

Purge Volume Calculation: (11.07 - 4.06) x .163 = 1.14 x 3 = 3.42 Gallons
(for 2" diameter well) TD (ft.) WL (ft.) Vol/ft. #VOLS Purge Vol. (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable ____ Disposable X Dedicated

Actual Volume Generated

3.42 Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
1115	Initial	17.4	.405		8.70	-8	7.14	
1130	1	18.4	.384		7.76	169	7.27	
1145	2	18.6	.381	7.5	7.63	126	7.32	
1200	3	18.9	.381	7.8	7.61	123	7.35	

WELL SAMPLING

Sample ID: MW-13A Receiving Lab (Chain of Custody): ______

General Notes:

Metals collected 10-21-05

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: S. Matthews Date: 10-20-05 Well Number: MW-14

AIR MONITORING

PID Model: _____ Background: _____ ppm At Well _____ ppm

WELL PURGING

Purge Volume

TD = Total Depth of Well (from Form C)

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9) 3

Purge Method

Bailer Type: Reusable ____ (Disposable) ____ Dedicated

Actual Volume Generated

1.5 x 3 = 4.5 Gallons

Purge Volume Calculation: (for 2" diameter well) (12.9 TD (ft.) - 9.9 WL (ft.)) x .163 Vol/ft. x 3 #VOLS = 4.35 Purge Vol. Gallons (Vol/ft = 0.163 for 2" OD)

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
1210	Initial	13.4	.226		10.59	0	7.24	
~~1220~~	~~+~~	~~12.1~~	~~.059~~	~~9.8~~	~~11.02~~	~~1.6~~	~~6.44~~	~~turn~~
1220	#2	13.5	.222	9.3	10.20	14	7.29	
1230	2	13.5	.234	11.5	10.14	5.83	7.20	
1500	3	13.3	.232	10.1	10.07	25.2	7.24	

WELL SAMPLING

Sample ID: MW-14 Receiving Lab (Chain of Custody): _____

General Notes: Allowed to recharge between Vol 2 & Vol 3

Metals collected 10-21-05

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

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

Synapse Representative: S. Matthews Date: 10-20-05 Well Number: MW-18

AIR MONITORING

PID Model: _____ Background: _____ ppm At Well _____ ppm

WELL PURGING

Purge Volume

TD = Total Depth of Well (from Form C)

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9)

Purge Volume Calculation: (for 2" diameter well) (11.79 TD (ft.) - 6.30 WL (ft.)) 5.49 x .163 Vol/ft. x 3.68 #VOLS = _____ Purge Vol. Gallons (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable ____ Disposable ____ Dedicated

Actual Volume Generated

3 Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
1315	Initial	15.2	.487		10.05	28	6.96	
1330	1	15.0	.510	8.0	10.09	17	6.95	
1345	2	15.0	.487	9.25	10.89	73	7.13	
1400	3	14.7	.467	10.05	10.00	79	7.14	

WELL SAMPLING

Sample ID: MW-18 Receiving Lab (Chain of Custody): _____

General Notes:

Methanol collected 10-21-05

APPENDIX F
GROUNDWATER ANALYTICAL DATA

2005 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

APRIL 2006

LSL

Date
Project #:
PM Approval:
QB
Check #:
Date:
Account:
Approval

Roger Creighton
Synapse Risk Management, LLC
120 East Washington Street
Suite 400
Syracuse, NY 13202

Phone: (315) 475-3700
FAX: (315) 475-3780
Authorization: PO# DANA 01-05 T02

Laboratory Analysis Report

For

Synapse Risk Management, LLC

Client Project ID:

SPDES / 2200 Bleecker St., Utica, NY

LSL Project ID: **0506122**

Receive Date/Time: 04/27/05 15:24

Project Received by: LMG

Life Science Laboratories, Inc.

LSL Central Lab
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NYS DOH ELAP #10248
PA DEP #68-2556

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NYS DOH ELAP #11667

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NYS DOH ELAP #10760

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699 South Main Street
Canandaigua, NY 14424
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This report was reviewed by: [signature] QAO *Date:* 5-11-05

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 5/10/05

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: MW-6R LSL Sample ID: 0506122-001

Location: 2200 Bleecker St.. Utica, NY

Sampled: 04/27/05 14:10 Sampled By: RC

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.05	ug/l	5/4/05	5/5/05	AMW
Aroclor-1221	<0.05	ug/l	5/4/05	5/5/05	AMW
Aroclor-1232	<0.05	ug/l	5/4/05	5/5/05	AMW
Aroclor-1242	<0.05	ug/l	5/4/05	5/5/05	AMW
Aroclor-1248	<0.05	ug/l	5/4/05	5/5/05	AMW
Aroclor-1254	<0.05	ug/l	5/4/05	5/5/05	AMW
Aroclor-1260	<0.05	ug/l	5/4/05	5/5/05	AMW
Surrogate (DCB)	105	%R	5/4/05	5/5/05	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
Trichloroethene	<1	ug/l		5/4/05	LEF
Vinyl chloride	<1	ug/l		5/4/05	LEF
Surrogate (1,2-DCA-d4)	103	%R		5/4/05	LEF
Surrogate (Tol-d8)	107	%R		5/4/05	LEF
Surrogate (4-BFB)	112	%R		5/4/05	LEF

Sample ID: MW-13A LSL Sample ID: 0506122-002

Location: 2200 Bleecker St., Utica, NY

Sampled: 04/27/05 11:30 Sampled By: RC

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1221	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1232	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1242	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1248	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1254	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1260	<0.05	ug/l	5/4/05	5/6/05	AMW
Surrogate (DCB)	102	%R	5/4/05	5/6/05	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		5/5/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		5/5/05	LEF
Trichloroethene	<1	ug/l		5/5/05	LEF
Vinyl chloride	<1	ug/l		5/5/05	LEF
Surrogate (1,2-DCA-d4)	101	%R		5/5/05	LEF
Surrogate (Tol-d8)	98	%R		5/5/05	LEF
Surrogate (4-BFB)	102	%R		5/5/05	LEF

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: MW-14 LSL Sample ID: 0506122-003

Location: 2200 Bleecker St., Utica, NY

Sampled: 04/27/05 10:35 Sampled By: RC

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1221	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1232	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1242	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1248	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1254	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1260	<0.05	ug/l	5/4/05	5/6/05	AMW
Surrogate (DCB)	109	%R	5/4/05	5/6/05	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
Trichloroethene	<1	ug/l		5/4/05	LEF
Vinyl chloride	<1	ug/l		5/4/05	LEF
Surrogate (1,2-DCA-d4)	107	%R		5/4/05	LEF
Surrogate (Tol-d8)	106	%R		5/4/05	LEF
Surrogate (4-BFB)	113	%R		5/4/05	LEF

Sample ID: MW-18 LSL Sample ID: 0506122-004

Location: 2200 Bleecker St., Utica, NY

Sampled: 04/27/05 12:15 Sampled By: RC

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1221	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1232	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1242	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1248	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1254	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1260	<0.05	ug/l	5/4/05	5/6/05	AMW
Surrogate (DCB)	118	%R	5/4/05	5/6/05	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
Trichloroethene	<1	ug/l		5/4/05	LEF
Vinyl chloride	5.6	ug/l		5/4/05	LEF
Surrogate (1,2-DCA-d4)	106	%R		5/4/05	LEF
Surrogate (Tol-d8)	109	%R		5/4/05	LEF
Surrogate (4-BFB)	111	%R		5/4/05	LEF

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: 042705 LSL Sample ID: 0506122-005
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/27/05 0:00 Sampled By: RC
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1221	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1232	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1242	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1248	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1254	<0.05	ug/l	5/4/05	5/6/05	AMW
Aroclor-1260	<0.05	ug/l	5/4/05	5/6/05	AMW
Surrogate (DCB)	116	%R	5/4/05	5/6/05	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
Trichloroethene	<1	ug/l		5/4/05	LEF
Vinyl chloride	5.7	ug/l		5/4/05	LEF
Surrogate (1,2-DCA-d4)	111	%R		5/4/05	LEF
Surrogate (Tol-d8)	109	%R		5/4/05	LEF
Surrogate (4-BFB)	108	%R		5/4/05	LEF

Sample ID: MW-6R Matrix Spike LSL Sample ID: 0506122-006
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/27/05 14:10 Sampled By: RC
Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016			5/4/05	5/6/05	AMW
Aroclor-1221			5/4/05	5/6/05	AMW
Aroclor-1232			5/4/05	5/6/05	AMW
Aroclor-1242	96	%R	5/4/05	5/6/05	AMW
Aroclor-1248			5/4/05	5/6/05	AMW
Aroclor-1254			5/4/05	5/6/05	AMW
Aroclor-1260			5/4/05	5/6/05	AMW
Surrogate (DCB)	111	%R	5/4/05	5/6/05	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	105	%R		5/4/05	LEF
trans-1,2-Dichloroethene	103	%R		5/4/05	LEF
Trichloroethene	122	%R		5/4/05	LEF
Vinyl chloride	96	%R		5/4/05	LEF
Surrogate (1,2-DCA-d4)	110	%R		5/4/05	LEF
Surrogate (Tol-d8)	106	%R		5/4/05	LEF
Surrogate (4-BFB)	101	%R		5/4/05	LEF

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC Syracuse, NY

Sample ID: MW-6R Matrix Spike Duplicate LSL Sample ID: 0506122-007
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/27/05 14:10 Sampled By: RC
Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016			5/4/05	5/6/05	AMW
Aroclor-1221			5/4/05	5/6/05	AMW
Aroclor-1232			5/4/05	5/6/05	AMW
Aroclor-1242	0.62	RPD	5/4/05	5/6/05	AMW
Aroclor-1248			5/4/05	5/6/05	AMW
Aroclor-1254			5/4/05	5/6/05	AMW
Aroclor-1260			5/4/05	5/6/05	AMW
Surrogate (DCB)	119	%R	5/4/05	5/6/05	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	RPD		5/4/05	LEF
trans-1,2-Dichloroethene	3	RPD		5/4/05	LEF
Trichloroethene	2	RPD		5/4/05	LEF
Vinyl chloride	<1	RPD		5/4/05	LEF
Surrogate (1,2-DCA-d4)	116	%R		5/4/05	LEF
Surrogate (Tol-d8)	104	%R		5/4/05	LEF
Surrogate (4-BFB)	102	%R		5/4/05	LEF

Sample ID: Trip Blank LSL Sample ID: 0506122-008
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/27/05 0:00 Sampled By: RC
Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		5/4/05	LEF
Trichloroethene	<1	ug/l		5/4/05	LEF
Vinyl chloride	<1	ug/l		5/4/05	LEF
Surrogate (1,2-DCA-d4)	108	%R		5/4/05	LEF
Surrogate (Tol-d8)	105	%R		5/4/05	LEF
Surrogate (4-BFB)	107	%R		5/4/05	LEF

LSL

SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

Method	Surrogate(s)	Water Limits, %R	SHW Limits, %R
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	80-120	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Dodecane	40-110	40-110
DOH 310-14	Dodecane	40-110	40-110
DOH 310-15	Dodecane	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter ug/kg = microgram per kilogram mg/l = milligram per liter mg/kg = milligram per kilogram %R = Percent Recovery

Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

0506122
SynapseRiskManage

LSL Central Lab.
5854 Butternut Drive
E. Syracuse, NY 13057
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LSL Southern Tier Lab.
30 East Main St.
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Fax: 585-968-2640

Fax: 585-554-6743

Turnaround Time

Normal	Pre-Authorized			
14 DAY [X]	Next Day* [ ]	3-Day * [ ]	*Additional Charges may apply
	2-Day * [ ]	7-Day* [ ]	

Report Address:

Name: Roger Creighton
Company: Synapse
Street: 120 E. Washington Street, Suite 400
City/State: Syracuse, NY Zip: 13202
Phone: 475-3700 Fax: 475-3780
Email: rcreighton@synapseriskmanagement.com

Date Needed or Special Instructions

Authorization or P.O. #

DANA 01-05 T02

Client Project ID/Client Site ID

SPDES / 2200 Bleecker St, Utica, NY

LSL Project Number:

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv. Added	Containers #	Containers size/type	Analyses	Preserv Check	LSL ID#
MW-6R	4/27/05	14:10	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		005AG
MW-6R		14:10	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
MW-13A		11:30	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		002AG
MW-13A		11:30	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
MW-14		10:35	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		003AG
MW-14		10:35	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
MW-18		12:15	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		004AG
MW-18		12:15	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
042705		—	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		005AG
042705		—	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
MS/MSD MW-6R		14:10	Grab	W	HCl	4	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)	MS/MSD	006AG MS/MSD
MS/MSD MW-6R		14:10	Grab	W	--	2	1-Liter Amber	PCBs by EPA Method 8082		C
Trip Blank										006AG

LSL use only:

Temp. of samples:

Containers this C-O-C:

Custody Transfers

		Date	Time
Sampled By: Roger Creighton	Received By:	4/27/05	15:25
Relinquished By:	Received By:		
Relinquished By:	Rec'd for Lab By:	04-28-05	10:00
Shipment Method:	Received Intact: Y N		

2°C

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY*

LSL

Roger Creighton
Synapse Risk Management, LLC
120 East Washington Street
Suite 400
Syracuse, NY 13202

Phone: (315) 475-3700
FAX: (315) 475-3780
Authorization: PO# DANA 001-05-T02

Laboratory Analysis Report

For

Synapse Risk Management, LLC

Client Project ID:

SPDES / 2200 Bleecker St., Utica, NY

LSL Project ID: **0506184**

Receive Date/Time: 04/28/05 13:35

Project Received by: MW

Date:
Project #:
PM Approval:
QR
Check #:
Date:
Account:
Approval

Life Science Laboratories, Inc.

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PA DEP #68-2556

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Tel. (585) 396-0270
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NYS DOH ELAP #11369

This report was reviewed by: [signature] Date: 5/12/05

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 5/9/05

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: MW-6R LSL Sample ID: 0506184-001
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/28/05 11:00 Sampled By: Client
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	4/29/05	5/2/05	DP
Copper	0.010	mg/l	4/29/05	5/2/05	DP
Lead	<0.01	mg/l	4/29/05	5/2/05	DP
Zinc	0.012	mg/l	4/29/05	5/2/05	DP

Sample ID: MW-13A LSL Sample ID: 0506184-002
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/28/05 10:30 Sampled By: Client
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	4/29/05	5/2/05	DP
Copper	0.014	mg/l	4/29/05	5/2/05	DP
Lead	<0.01	mg/l	4/29/05	5/2/05	DP
Zinc	0.020	mg/l	4/29/05	5/2/05	DP

Sample ID: MW-14 LSL Sample ID: 0506184-003
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/28/05 10:45 Sampled By: Client
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	4/29/05	5/2/05	DP
Copper	0.016	mg/l	4/29/05	5/2/05	DP
Lead	0.013	mg/l	4/29/05	5/2/05	DP
Zinc	0.015	mg/l	4/29/05	5/2/05	DP

Sample ID: MW-18 LSL Sample ID: 0506184-004
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/28/05 11:15 Sampled By: Client
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	4/29/05	5/2/05	DP
Copper	<0.01	mg/l	4/29/05	5/2/05	DP
Lead	<0.01	mg/l	4/29/05	5/2/05	DP
Zinc	0.013	mg/l	4/29/05	5/2/05	DP

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC Syracuse, NY

Sample ID: 042705 LSL Sample ID: 0506184-005
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/28/05 0:00 Sampled By: Client
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	4/29/05	5/2/05	DP
Copper	0.015	mg/l	4/29/05	5/2/05	DP
Lead	<0.01	mg/l	4/29/05	5/2/05	DP
Zinc	0.013	mg/l	4/29/05	5/2/05	DP

Sample ID: MW-6R Matrix Spike LSL Sample ID: 0506184-006
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/28/05 11:00 Sampled By: Client
Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	102	%R	4/29/05	5/2/05	DP
Copper	107	%R	4/29/05	5/2/05	DP
Lead	101	%R	4/29/05	5/2/05	DP
Zinc	101	%R	4/29/05	5/2/05	DP

Sample ID: MW-6R Matrix Spike Duplicate LSL Sample ID: 0506184-007
Location: 2200 Bleecker St., Utica, NY
Sampled: 04/28/05 11:00 Sampled By: Client
Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	5.3	RPD	4/29/05	5/2/05	DP
Copper	<1	RPD	4/29/05	5/2/05	DP
Lead	<1	RPD	4/29/05	5/2/05	DP
Zinc	5.5	RPD	4/29/05	5/2/05	DP

Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

LSL

LSL Central Lab.
5854 Butternut Drive
E. Syracuse, NY 13057
Phone: 315-445-1105
Fax: 315-445-1301

LSL North Lab.
131 St. Lawrence Ave.
Waddington, NY 13694
Phone: 315-388-4476
Fax: 315-388-4061

LSL Finger Lakes Lab.
16 N. Main St., PO Box 424
Wayland, NY 14572
Phone: 585-728-3320
Fax: 585-728-2711

LSL Southern Tier Lab.
30 East Main St.
Cuba, NY 14727
Phone: 585-968-2640
Fax: 585-968-2640

050784
SynapseRiskManage

Turnaround Time

Normal	Pre-Authorized				
14 DAY	Next Day*		3-Day *		*Additional Charges may apply
X	2-Day *		7-Day*		

Report Address:

Name: Roger Creighton
Company: Synapse Risk Management, LLC
Street: 120 E. Washington Street, Suite 400
City/State: Syracuse, NY Zip: 13202
Phone: 475-3700 Fax: 475-3780
Email: rcreighton@synapseriskmanagement.com

Date Needed or Special Instructions:

Authorization or P.O. #
DANA 001-05 T02

Client Project ID/Client Site ID
SPDES / 2200 Bleecker St, Utica, NY

LSL Project Number:

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv. Added	Containers #	Containers size/type	Analyses	Preserv Check	LSL ID#
MW-6R	4.28.05	1100	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MW-13A		1030	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MW-14		1045	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MW-18		1115	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
~~Dup-1~~ 042705		---	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MS/MSD 6R (on bottle)		11 00 (on bottle)	Grab	W	HNO_3	2	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)	MS	

LSL use only:

Temp. of samples:
Containers this C-O-C:

Custody Transfers		Date	Time
Sampled By:	Received By:		
Relinquished By:	Received By:		
Relinquished By:	Rec'd for Lab By: MU	04	13
Shipment Method:	Received Intact: Y N		

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***

Roger Creighton
Synapse Risk Management, LLC
120 East Washington Street
Suite 400
Syracuse, NY 13202

Phone: (315) 475-3700
FAX: (315) 475-3780
Authorization: PO# DANA 01-05 T02

Laboratory Analysis Report

For

Synapse Risk Management, LLC

Client Project ID:

SPDES / 2200 Bleecker St., Utica, NY

LSL Project ID: **0518331**

Receive Date/Time: 10/20/05 16:12

Project Received by: LMG

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1105
Fax (315) 445-1301
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Lab
30 East Main Street
Cuba, NY 14727
Tel. (585) 968-2640
Fax (585) 968-0906
NYS DOH ELAP #10760

LSL MidLakes Lab
699 South Main Street
Canandaigua, NY 14424
Tel. (585) 396-0270
Fax (585) 396-0377
NYS DOH ELAP #11369

This report was reviewed by: [signature] Date: 10/31/05

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 10/31/05

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: MW-6R LSL Sample ID: 0518331-001

Location: 2200 Bleecker St., Utica

Sampled: 10/20/05 11:00 Sampled By: SM

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1221	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1232	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1242	0.13	ug/l	10/24/05	10/25/05	BW
Aroclor-1248	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1254	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1260	<0.1	ug/l	10/24/05	10/25/05	BW
Surrogate (DCB)	90	%R	10/24/05	10/25/05	BW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
Trichloroethene	<1	ug/l		10/25/05	LEF
Vinyl chloride	<1	ug/l		10/25/05	LEF
Surrogate (1,2-DCA-d4)	118	%R		10/25/05	LEF
Surrogate (Tol-d8)	101	%R		10/25/05	LEF
Surrogate (4-BFB)	103	%R		10/25/05	LEF

Sample ID: MW-13A LSL Sample ID: 0518331-002

Location: 2200 Bleecker St., Utica

Sampled: 10/20/05 12:00 Sampled By: SM

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1221	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1232	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1242	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1248	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1254	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1260	<0.1	ug/l	10/24/05	10/25/05	BW
Surrogate (DCB)	107	%R	10/24/05	10/25/05	BW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
Trichloroethene	<1	ug/l		10/25/05	LEF
Vinyl chloride	<1	ug/l		10/25/05	LEF
Surrogate (1,2-DCA-d4)	118	%R		10/25/05	LEF
Surrogate (Tol-d8)	100	%R		10/25/05	LEF
Surrogate (4-BFB)	104	%R		10/25/05	LEF

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC Syracuse, NY

Sample ID: MW-14 LSL Sample ID: 0518331-003

Location: 2200 Bleecker St., Utica

Sampled: 10/20/05 13:00 Sampled By: SM

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1221	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1232	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1242	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1248	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1254	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1260	<0.1	ug/l	10/24/05	10/25/05	BW
Surrogate (DCB)	113	%R	10/24/05	10/25/05	BW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
Trichloroethene	<1	ug/l		10/25/05	LEF
Vinyl chloride	<1	ug/l		10/25/05	LEF
Surrogate (1,2-DCA-d4)	118	%R		10/25/05	LEF
Surrogate (Tol-d8)	102	%R		10/25/05	LEF
Surrogate (4-BFB)	109	%R		10/25/05	LEF

Sample ID: MW-18 LSL Sample ID: 0518331-004

Location: 2200 Bleecker St., Utica

Sampled: 10/20/05 14:00 Sampled By: SM

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1221	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1232	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1242	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1248	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1254	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1260	<0.1	ug/l	10/24/05	10/25/05	BW
Surrogate (DCB)	88	%R	10/24/05	10/25/05	BW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
Trichloroethene	<1	ug/l		10/25/05	LEF
Vinyl chloride	7.1	ug/l		10/25/05	LEF
Surrogate (1,2-DCA-d4)	109	%R		10/25/05	LEF
Surrogate (Tol-d8)	100	%R		10/25/05	LEF
Surrogate (4-BFB)	108	%R		10/25/05	LEF

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC Syracuse, NY

Sample ID: Dup 102005 LSL Sample ID: 0518331-005

Location: 2200 Bleecker St., Utica

Sampled: 10/20/05 0:00 Sampled By: SM

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1221	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1232	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1242	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1248	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1254	<0.1	ug/l	10/24/05	10/25/05	BW
Aroclor-1260	<0.1	ug/l	10/24/05	10/25/05	BW
Surrogate (DCB)	118	%R	10/24/05	10/25/05	BW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
Trichloroethene	<1	ug/l		10/25/05	LEF
Vinyl chloride	<1	ug/l		10/25/05	LEF
Surrogate (1,2-DCA-d4)	106	%R		10/25/05	LEF
Surrogate (Tol-d8)	99	%R		10/25/05	LEF
Surrogate (4-BFB)	100	%R		10/25/05	LEF

Sample ID: MW-6R Matrix Spike LSL Sample ID: 0518331-006

Location: 2200 Bleecker St., Utica

Sampled: 10/20/05 11:00 Sampled By: SM

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016			10/24/05	10/25/05	BW
Aroclor-1221			10/24/05	10/25/05	BW
Aroclor-1232			10/24/05	10/25/05	BW
Aroclor-1242	80	%R	10/24/05	10/25/05	BW
Aroclor-1248			10/24/05	10/25/05	BW
Aroclor-1254			10/24/05	10/25/05	BW
Aroclor-1260			10/24/05	10/25/05	BW
Surrogate (DCB)	118	%R	10/24/05	10/25/05	BW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	102	%R		10/25/05	LEF
trans-1,2-Dichloroethene	100	%R		10/25/05	LEF
Trichloroethene	103	%R		10/25/05	LEF
Vinyl chloride	79	%R		10/25/05	LEF
Surrogate (1,2-DCA-d4)	106	%R		10/25/05	LEF
Surrogate (Tol-d8)	99	%R		10/25/05	LEF
Surrogate (4-BFB)	100	%R		10/25/05	LEF

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: MW-6R Matrix Spike Duplicate LSL Sample ID: 0518331-007

Location: 2200 Bleecker St., Utica

Sampled: 10/20/05 11:00 Sampled By: SM

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016			10/24/05	10/25/05	BW
Aroclor-1221			10/24/05	10/25/05	BW
Aroclor-1232			10/24/05	10/25/05	BW
Aroclor-1242	30	RPD	10/24/05	10/25/05	BW
Aroclor-1248			10/24/05	10/25/05	BW
Aroclor-1254			10/24/05	10/25/05	BW
Aroclor-1260			10/24/05	10/25/05	BW
Surrogate (DCB)	121	%R	10/24/05	10/25/05	BW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	2	RPD		10/25/05	LEF
trans-1,2-Dichloroethene	2	RPD		10/25/05	LEF
Trichloroethene	6	RPD		10/25/05	LEF
Vinyl chloride	4	RPD		10/25/05	LEF
Surrogate (1,2-DCA-d4)	100	%R		10/25/05	LEF
Surrogate (Tol-d8)	100	%R		10/25/05	LEF
Surrogate (4-BFB)	100	%R		10/25/05	LEF

Sample ID: Trip Blank LSL Sample ID: 0518331-008

Location: 2200 Bleecker St., Utica

Sampled: 10/20/05 0:00 Sampled By: SM

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
trans-1,2-Dichloroethene	<1	ug/l		10/25/05	LEF
Trichloroethene	<1	ug/l		10/25/05	LEF
Vinyl chloride	<1	ug/l		10/25/05	LEF
Surrogate (1,2-DCA-d4)	115	%R		10/25/05	LEF
Surrogate (Tol-d8)	101	%R		10/25/05	LEF
Surrogate (4-BFB)	105	%R		10/25/05	LEF

Life Science Laboratories, Inc

CHAIN OF CUSTODY RECORD

0518331

SynapseRiskManage

LSL Central Lab.
5854 Butternut Drive
E. Syracuse, NY 13057
Phone: 315-445-1105
Fax: 315-445-1301

LSL North Lab.
131 St. Lawrence Ave.
Waddington, NY 13694
Phone: 315-388-4476
Fax: 315-388-4061

LSL Finger Lakes Lab.
16 N. Main St., PO Box 424
Wayland, NY 14572
Phone: 585-728-3320
Fax: 585-728-2711

LSL Southern Tier Lab.
30 East Main St.
Cuba, NY 14727
Phone: 585-968-2640
Fax: 585-968-2640

Fax: 585-554-6743

Turnaround Time

Normal	Pre-Authorized				
14 DAY [X]	Next Day* [ ]	3-Day * [ ]	*Additional Charges may apply
	2-Day * [ ]	7-Day* [ ]	

Report Address:

Name: Roger Creighton
Company: Synapse
Street: 120 E. Washington Street, Suite 400
City/State: Syracuse, NY Zip: 13202
Phone: 475-3700 Fax: 475-3780
Email: rcreighton@synapseriskmanagement.com

Date Needed or Special Instructions:

Authorization or P.O. #

DANA 01-05 T02

Client Project ID/Client Site ID

SPDES / 2200 Bleecker St, Utica, NY

LSL Project Number:

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv. Added	Containers #	Containers size/type	Analyses	Preserv Check	LSL ID#
MW-6R	10-20-05	1100	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		301 AB
MW-6R		1100	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		↓ C
MW-13A		1200	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		302 AB
MW-13A		1200	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		↓ C
MW-14		1300	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		303 AB
MW-14		1300	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		↓ C
MW-18		1400	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		304 AB
MW-18		1400	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		↓ C
DUP102005		--	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		305 AB
DUP102005		--	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		↓ C
MS/MSD - MW6R		1100	Grab	W	HCl	4	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		306 ABC
MS/MSD - MW6R		1100	Grab	W	--	2	1-Liter Amber	PCBs by EPA Method 8082		307 BC
Trip Blank	↓									308 AB

LSL use only:

Temp. of samples:

Containers this C-O-C:

Custody Transfers		Date	Time
Sampled By: S. Mathews	Received By:		
Relinquished By: S. Mathews	Received By:		
Relinquished By:	Rec'd for Lab By:		
Shipment Method:	Received Intact: Y N		

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***

Roger Creighton
Synapse Risk Management, LLC
120 East Washington Street
Suite 400
Syracuse, NY 13202

Phone: (315) 475-3700
FAX: (315) 475-3780
Authorization: PO# DANA 001-05 T02

Laboratory Analysis Report

For

Synapse Risk Management, LLC

Client Project ID:

SPDES / 2200 Bleecker St., Utica, NY

LSL Project ID: **0518397**

Receive Date/Time: 10/21/05 15:57

Project Received by: GS

Life Science Laboratories, Inc.

LSL Central Lab	LSL North Lab	LSL Finger Lakes Lab	LSL Southern Tier Lab	LSL MidLakes Lab
5854 Butternut Drive	131 St. Lawrence Avenue	16 N. Main St., PO Box 424	30 East Main Street	699 South Main Street
East Syracuse, NY 13057	Waddington, NY 13694	Wayland, NY 14572	Cuba, NY 14727	Canandaigua, NY 14424
Tel. (315) 445-1105	Tel. (315) 388-4476	Tel. (585) 728-3320	Tel. (585) 968-2640	Tel. (585) 396-0270
Fax (315) 445-1301	Fax (315) 388-4061	Fax (585) 728-2711	Fax (585) 968-0906	Fax (585) 396-0377
NYS DOH ELAP #10248	NYS DOH ELAP #10900	NYS DOH ELAP #11667	NYS DOH ELAP #10760	NYS DOH ELAP #11369
PA DEP #68-2556				

This report was reviewed by: R. Kalowaradon, Ph.D., DABT *Date:* 11/04/05

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 11/1/05

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID: MW-6R LSL Sample ID: 0518397-001
Location: 2200 Bleecker St.
Sampled: 10/21/05 12:00 Sampled By: SM
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	10/24/05	10/25/05	DP
Copper	<0.01	mg/l	10/24/05	10/25/05	DP
Lead	<0.01	mg/l	10/24/05	10/25/05	DP
Zinc	0.013	mg/l	10/24/05	10/25/05	DP

Sample ID: MW-13A LSL Sample ID: 0518397-002
Location: 2200 Bleecker St.
Sampled: 10/21/05 11:00 Sampled By: SM
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	10/24/05	10/25/05	DP
Copper	<0.01	mg/l	10/24/05	10/25/05	DP
Lead	<0.01	mg/l	10/24/05	10/25/05	DP
Zinc	<0.01	mg/l	10/24/05	10/25/05	DP

Sample ID: MW-14 LSL Sample ID: 0518397-003
Location: 2200 Bleecker St.
Sampled: 10/21/05 11:20 Sampled By: SM
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	10/24/05	10/25/05	DP
Copper	<0.01	mg/l	10/24/05	10/25/05	DP
Lead	<0.01	mg/l	10/24/05	10/25/05	DP
Zinc	<0.01	mg/l	10/24/05	10/25/05	DP

Sample ID: MW-18 LSL Sample ID: 0518397-004
Location: 2200 Bleecker St.
Sampled: 10/21/05 11:40 Sampled By: SM
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	10/24/05	10/25/05	DP
Copper	<0.01	mg/l	10/24/05	10/25/05	DP
Lead	<0.01	mg/l	10/24/05	10/25/05	DP
Zinc	<0.01	mg/l	10/24/05	10/25/05	DP

- - LABORATORY ANALYSIS REPORT - -

Synapse Risk Management, LLC Syracuse, NY

Sample ID:	Dup-1 (DUP102005)	LSL Sample ID:	0518397-005
Location:	2200 Bleecker St.		
Sampled:	10/21/05 0:00 Sampled By: SM		
Sample Matrix:	QC		

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<0.01	mg/l	10/24/05	10/25/05	DP
Copper	<0.01	mg/l	10/24/05	10/25/05	DP
Lead	<0.01	mg/l	10/24/05	10/25/05	DP
Zinc	<0.01	mg/l	10/24/05	10/25/05	DP

Sample ID:	MW-6R MS	LSL Sample ID:	0518397-006
Location:	2200 Bleecker St.		
Sampled:	10/21/05 12:00 Sampled By: SM		
Sample Matrix:	QC		

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	67	%R	10/24/05	10/25/05	DP
Copper	75	%R	10/24/05	10/25/05	DP
Lead	68	%R	10/24/05	10/25/05	DP
Zinc	71	%R	10/24/05	10/25/05	DP

Sample ID:	MW-6R MSD	LSL Sample ID:	0518397-007
Location:	2200 Bleecker St.		
Sampled:	10/21/05 0:00 Sampled By: SM		
Sample Matrix:	QC		

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Priority Pollutant Metals					
Chromium	<1	RPD	10/24/05	10/25/05	DP
Copper	<1	RPD	10/24/05	10/25/05	DP
Lead	<1	RPD	10/24/05	10/25/05	DP
Zinc	42	RPD	10/24/05	10/25/05	DP

Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

0518397

SynapseRiskManage

LSL Central Lab.
5854 Butternut Drive
E. Syracuse, NY 13057
Phone: 315-445-1105
Fax: 315-445-1301

LSL North Lab.
131 St. Lawrence Ave.
Waddington, NY 13694
Phone: 315-388-4476
Fax: 315-388-4061

LSL Finger Lakes Lab.
16 N. Main St., PO Box 424
Wayland, NY 14572
Phone: 585-728-3320
Fax: 585-728-2711

LSL Southern Tier Lat
30 East Main St.
Cuba, NY 14727
Phone: 585-968-2640
Fax: 585-968-2640

Phone: 585-554-6547
Fax: 585-554-6743

Turnaround Time

Normal	Pre-Authorized				
14 DAY [X]	Next Day* [ ]	3-Day * [ ]	*Additional Charges may apply
	2-Day * [ ]	7-Day* [ ]	

Report Address:

Name: Roger Creighton
Company: Synapse Risk Management, LLC
Street: 120 E. Washington Street, Suite 400
City/State: Syracuse, NY Zip: 13202
Phone: 475-3700 Fax: 475-3780
Email: rcreighton@synapseriskmanagement.com

Date Needed or Special Instructions:

Authorization or P.O. #

DANA 001-05 T02

Client Project ID/Client Site ID

SPDES / 2200 Bleecker St, Utica, NY

LSL Project Number:

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv. Added	Containers #	Containers size/type	Analyses	Preserv Check	LSL ID#
MW-6R	10-21-05	1200	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MW-13A	"	1100	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MW-14	"	1120	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MW-18	"	1140	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
Dup-1 (Duplicates)	"	---	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MS/MSD (MW-6R)	"	1200	Grab	W	HNO_3	2	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		
MSD →										
* Per bottles	Bio/24									

LSL use only:

Temp. of samples:

Containers this C-O-C:

Custody Transfers		Date	Time
Sampled By: S. Matthews	Received By:		
Relinquished By:	Received By:		
Relinquished By:	Rec'd for Lab By:		
Shipment Method:	Received Intact: Y N		

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***

Semi-AnnualGW-Metals LSL COC 0,7° on Ice

APPENDIX G
GROUNDWATER TREATMENT SYSTEM INSPECTION LOGS

2005 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

APRIL 2006

1-4-05 — 1-7-05
STRIPPER SHUT DOWN
FOR CLEANING
TAKEN A PART AND CLEANED
NEW GASKETS FOR TRAYS
INSTALLED AND RESTARTED 1-7-05
AIR 12" WC
SUMP 21290
MANHOLE #1 - 29869430
MANHOLE #2 - 11426300
MSK

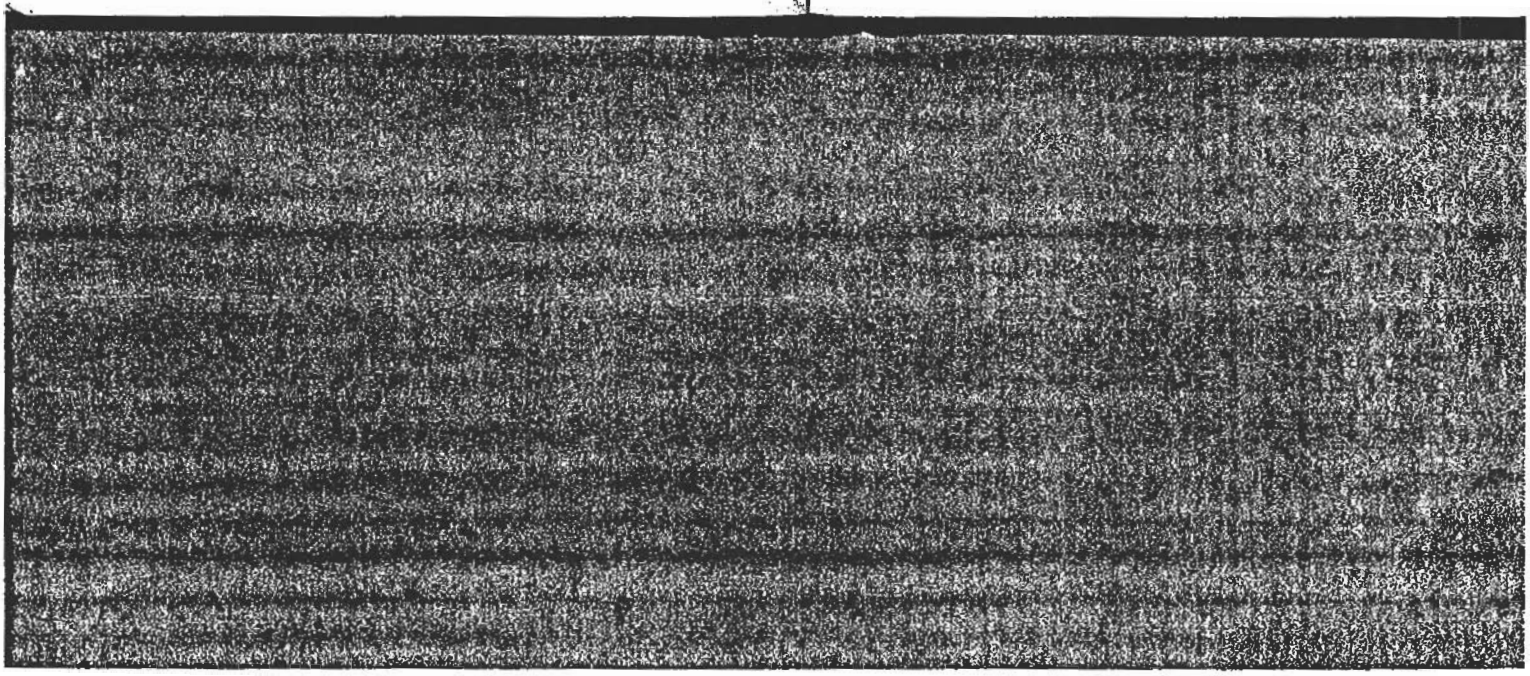
1-10-05 REPLACED
STRIPPER DEMISTER ON
AIR OUT LET DISCHARGE
MSK

1-12-05 AIR PRESSURE - 12" WC
NOT TREATING WATER
SUMP - 21334
MANHOLE #1 - 29921860
MANHOLE #2 - 11478090
MSK

1-19-05
AIR PRESSURE 14" WC
SUMP - 21334
MANHOLE #1 - 29967760
MANHOLE #2 - 11493770
MSK

1-26-05 AIR PRESSURE 16" WC
SUMP - 21334
MANHOLE #1 - 29987800
MANHOLE #2 - 11497890
ADJUSTED AIR TO 14" WC MSK

2-2-05 AIR PRESSURE 16" WC
SUMP - 21334
MANHOLE #1 - 30003660
MANHOLE #2 - 11497970
CLEANED FLOW METER ~~MSK~~
ON MANHOLE #2 METER PLUGGED
WITH IRON DEPOSITS
MSK.



~~8/18/25~~

10:45 S. Dolan onsite to collect ~~weekly and monthly samples~~ for analysis:

~~Floor Scrap 1021783~~

~~MH1 3041388~~

~~MH2 1232196~~

8-25

92° HUMID

8-4-05

SEAN DOLAN
LUKE MCKENNEY

Objective - RESPOND TO SYSTEM OFF - YET NO ALARM.

- LEAVE OFFICE @ 10:00AM
ARRIVE ON SITE @ 11:00AM

- LOW AIR PRESSURE
- HIGH WATER READINGS
] ALARM

- NO ALARM IN M.H 1 OR M.H 2

- RESET SYSTEM
- RUN AIR STRIPPER IN MANUAL

* HIGH WATER ALARM M.H 1 TRIGGERED AT 11:20AM
CALL TO CELL PHONE
263-[illegible] - LOUD ALARM
HAND ACKNOWLEDGED

See Verbal readings from S.B.

RUN SYSTEM IN MANUAL (AIR STRIPPER) CONTROL BOX AT MAIN PANEL

RUN M.H 1 PUMPS IN MANUAL
MAKE LEVEL READINGS IN M.H 1.

ALARM CLEARS IN M.H 1

SYSTEM RUNNING TIME @ 12:10 PM.
M.H 1 - 3087876
M.H 2 - 1223990

- GO TO LUNCH f.s.
* Air Pressure - 30 psi

- RETURN TO SITE @ 12:50
SYSTEM RUNNING TIME

SET ALARM AGAIN TO VERIFY CALL OUT PROCEDURE IS WORKING.

CALL OUT IS WORKING FINE

COLLECT EFFLUENT SAMPLE

- REVIEW SYSTEM + M & LOCATIONS W/ S.D.

- NOTE DEBRIS NEAR MH1 INLINE LINE AGAIN.

READINGS @ 13:45

MH2	1224051 ø	9 gpm
MH1	308 8018 ø	ø FLOW
fs	2:35 8	ø FLOW
K Δp.	19-20 psi	

LOCK UP SYSTEM - OFF SITE
@ 14:00

4-11-05
Sarah Burke (SKB) 79°F Humid

0915 SKB on-site, take readings Mostly Cloudy

Floor Sump:	217441	ø Flow
MH1:	3090496 ø	ø Flow
MH2:	1228504 ø	ø Flow

0920 ~~To~~ Collect effluent sample
~~0925 Collect influent sample~~ SKB
0930 SKB off-site

Sarah Burke

8/18/05

10:45 S. Dolan onsite take readings. 70-75° sunny

Floor Sump 0021783

MH1 3091388

MH2 1232196

Air Press. Gauge @ 28 psi

11:08 Collected Effluent Sample

11:15 Collect CP influent 1

11:20 Collect sample CP influent 2

11:38 S. Dolan leave site, note Air press. = 30 psi

8/18/05

8/25/05

0910 S. Burke on-site 68° F

Take readings Sunny

Floor Sump 0021985 Flow Ø gpm

Manhole 1 3092303Ø Flow Ø gpm

Manhole 2 1235947Ø Flow Ø gpm

0912 ~~Take~~ Collect effluent sample

0916 S. Burke leave site.

Sarah Burke

9/1/05

0905 Sarah Burke (SKB) arrive on-site. Take Readings — 66°F, Overcast

Floor Sump: Ø Flow 002985 gal
MH1: Ø Flow 3093511Ø gal
MH2: 0.7 (x 10 gal) Flow 12400790 gal

0907: SKB collect effluent sample for pH & 8260

0913: SKB off-site

9/6/05 Air stripper cleaning

0730 Denise Sero (CENSR) @ office to pick up supplies

0800 DS on-road.

0900 DS on-site, meet Paul Env. Construction (PEC) on site. PEC personnel: Andy Dickerd, Wayne Anderson. Review of activities. AD shuts off power, locks out panel

0915 AD & WA begin disassembly air stripper.

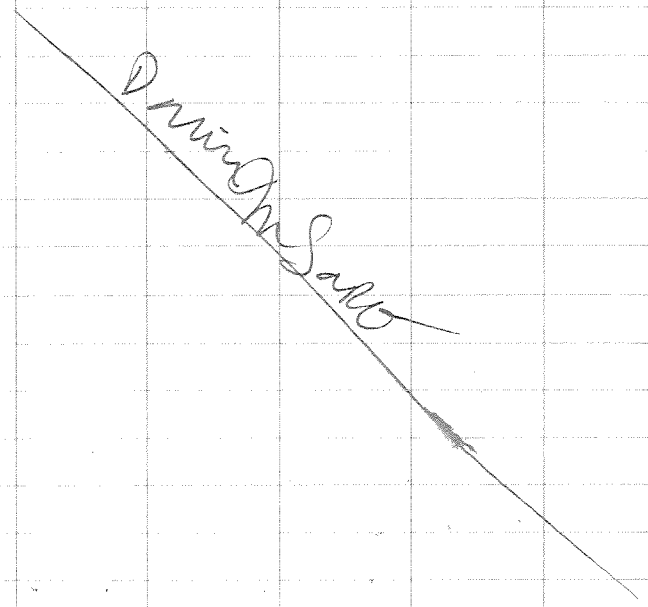
1010 Peter Markowski of PEC on site. PEC reviews logistics continues disassembly

1130 tray #4 removed. Material inside is rust brown & sandy. There are several medium-size pieces of rounded gravel present.

1140 Begin cleaning 1st tray.

1200 Break for lunch. AD & WA off-site. DS & JM eat on

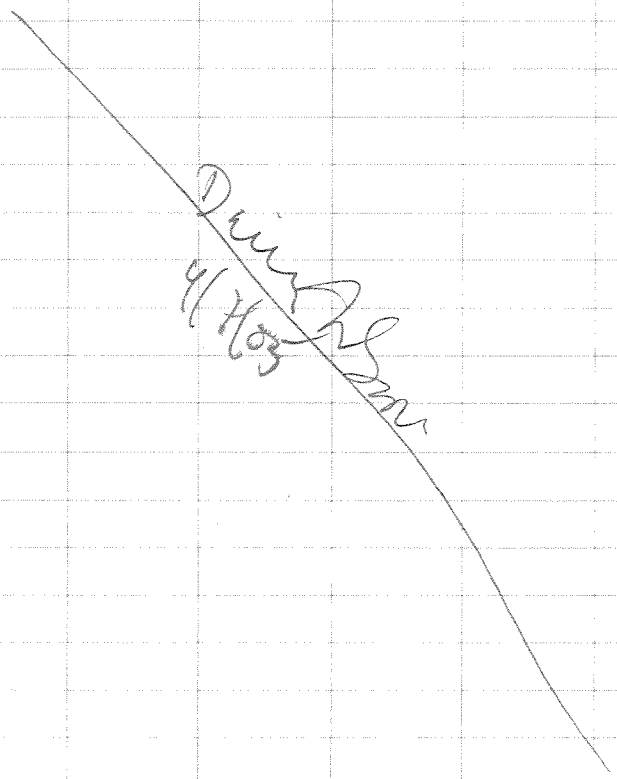
1430 AD & WA on site.
1440 resume cleaning tray #4.
1600 finished cleaning tray #4. PEC decides to remove tray #3 so it can dry overnight. scaling easier to remove when dry.
1630 all off-site.



9/7/05
0600 DS on road
0715 DS on site. Meet PEC & begin cleaning tray #3. PEC is same people as 7/6.
0745 AD & PEC off-site as he's needed at another job. 2 other PEC people on their way.
0900 Justin Bailey & Mike Fagan of PEC on-site. Review activities w/them.
0920 DS & NF will finish drilling out holes on tray 3 while others remove & begin cleaning tray #2.
0930 Tray 1 is noticed to have standing water & >1" of wet sediment. WA will bail out water & scoop out some of wet sed. so it can dry for easier cleaning.
1130 finished w/tray 3.
1200 Break for lunch. All stay on site.

9/7/05

9:40 Resume cleaning tray 2.
Lift tray 1 + brace on wood so it can dry overnight
1430 MF + AB off site. PM + WA tidy up. Done w/ tray 2
1445 all off site.



9/8/05

600 DS on road
710 DS on site, meet PEC.
PEC: Andy Beaman, Eddie Beam, Wayne Anderson.
745 Begin cleaning tray 1
930 WA Begins replacing rubber gaskets.
1040 Bottom of tray 1 has much harder deposits. Can't scrape off. DS con Luke McInerney, who advises that as long a inside + holes are cle stripper will remedia
1045 Begin re-assembly.
1220 Andy Dichard of PEC on to re-start air stri
1245 Re-started air stripper take readings:
Magnehelic 6" H_2O
MH2 0 ppm x 0 1243187
MH1 0 ppm 3094397
Samp 0 0021986.
AD informs DS pumps haven turned on.

9/13/05

930	KOR / LPM	leave for site	
1030	onsite	trouble shoot System	
	have initial	success but system	
	shuts down		
1230	Lunch		
1330	- onsite	KOR collects readings	

Readings

Blower hr		20350.5	
Man H	#1	309 44370	gallons
	#2	1243 1920	gallons
Floor Sump		00 21991	gallons
Stripper		3" H_2O	pressure

9/8/05 Cont'd.

1300 DS + AD consult w/ Mike McKenney + Chris Gaub of EMSR. Will try to troubleshoot pump problem.

1600 Pumps still not work CG + LM advise to quit + we will try more later.

1605 will leave blower on in case pumps start all off site.

Dawn Kern
9/8/05

09/15/05

1200 KDR leaves for site
1300 onsite.
1305 Neil Collins onsite trouble shoot the system determine that it is the air stripper low pressure alarm that is preventing pumps from operating in system is not operational.
- KDR/NCJC recharge all trays in stripper (tray 2nd from top) stopped to see almost empty)
- managed to get pressure gauge on stripper to 4 from 3 psi to ~9.5"
- but pressure eventually dropped back to 5" @ time when shut down.
1700 - KDR contacts CG & decide to shut system down
- pumps to run on manual by-pass (i.e. no controller/floats)

9/19/05

DSE office.
0530 DS on road.
0930 DS on-site Paragon, on site yet.
1030 PEC not here yet. DS contacts Paragon & leaves message for Peter.
1035 Paragon on site Andy Dickerod. Start Blower & check alarms & review O&M manual

Readings:
Blower hrs - 20350.5
MH 1 - 0 3914443
MH 2 - 0 1213198
FS - 0 0021997
Magnehelic - 7" H2O
MH-1 panel shows high level alarm.
1055 Have gotten blower & pumps running! However, the flow meters are still reading 0 even though visual confirmation in manhole that pumps are running. → to outfall.

also checked flow meter in pipe - clean.
1040 OA tech off-site. DS take pictures of influent piping for system upgrade possibilities.
1100 MH-2 is now running.
MH-1 0 gpm 31149910
MH-2 50 gpm 12667290
FS @ 0022563 0.
1110 DS off-site.
1120 Luke McKinney calls to inform DS of site inspection Monday. Field book needs to be on site. DS will return 1200 DS on-site tidy up.
take readings
MH-1 @ 31150100
MH-2 @ 12667660
FS @ 0022564 0
Magnehelic 16" H20
1240 DS off-site.

Dawn Green
11/18/05

11/22/05
1416 Sean Dolan onsite for Weekly Samp
MH1 3116815
MH2 12672 02
FS 0022679
Magnehelic 11 in.
1430 collect CP effluent
1440 S. Dolan offsite.

12/1/05
1410 Denise Sero (E. USR) on-sit
unload empty drum & drum up bundles of air stripper sludge.
1415 DS collect waste ch sample.
1420 DS label drums
1440 Drum inventory
6 55-gallon drums of stripper sludge.
2 drums missing rings.
1445 take readings
MH-1 @ 31203030
MH-2 @ 12672020
~~FS @~~
FS @ 0022 ~~8~~ 037
Magnehelic 12" H20

1450 Sample CP influent 1
1455 Sample CP influent 2
1500 Sample CP efficient
1510 DS makes attempt to start pumps in MH-2 by hand.
1511 keys still not clipped to field book. DS checks w/ Sean Dillon + Luke McKenney (CWSR) - nobody knows where keys are. There is extra set of keys. DS may return tomorrow + try to start pumps.
1513 DS off site.

David Ng
12/1/05

12/2/05 Trouble redirect MH 2
1500 DS on-site, ask Dan Geraghty to open door.
1510 Take readings
MH-1: @ 31208600
MH-2: @ 1267020
TS: @ 0022850@
Magnehelic 13" H2O
1515 DS attempts to start MH-2 pump on "hand."
1523 MH-2 not working - nothing else to try. DS off site.

12/8/05 Remove drums, sample, tidy up
800 DS receives call from Clean Harbors - they are lost.
820 CH on site.
850 CH + drums off-site. DS tidy up and take readings:
MH-1 @ 31232280
MH-2 @ 1267020
TS @ 0023099

955 SAMPLE effluent.
1003 DS off site.

12/10/05 Replace pump in MH 2
745 DS + DS on road.
845 Denise Sero + Dan Sheahan on site. Get call from OP-tech - they are late. Denise shows Dan MH-2 + 1 + outfall. attempt call Dodge Graph
915 No answer from DG personnel. Loading dock door unlocked. Denise + Dan inspect area, take readings.
MH-1 Ø 3239080
MH-2 Ø 1267 2020
FS Ø 0023231
Magnehelic 14" H2O
930 Locate Jim Stevens of DGP + a broom. DS + DS tidy up. DS + DS notice in inspecting outfall that pipe is clogged. Dan will fix when OP-tech arrives shut down system.

12/10/05 Troubleshoot
950 OP tech on site. B. Sampson & Tyson Garv... Dan to clear out out... There is much sedimen... there, upon closer ins... DS make note of MH-2 hours.

Pump 1	Pump 2
201949	207365

11.. move to MH-2 + begi... confined space entry ... replace pump. Deni... document w/ photos.
1005 DS informs DS th... no need to dewater MH-2.
1130 Dan off-site for snac...
1200 Pump removed. Pipe leading from pump to ... pump. Denise ... Dan + Felix run to ... hardware store for ne... pipe adapter.
1245 Dan on-site with tools PVC cleaner + fitting.

DMS 12/10/05

12/10/05 Troubleshoot
BS informs DS+DS that pump 2 is not on chain - if it is sitting on bottom, to replace later. will require dewatering of inlet.
1250 Begin installing new pump - Goulds Effluent pump model WE0732H
Max Amps 5.4
H/P 3/4
RPM 3450
volts 230
1402 New pump in, will try to restart system after a short break.
1440 MH-2 not pumping even though elect panel indicates it should be DS, DS & TG check MH-2 - looks like water is going down but no flow reading. Dan checks outflow w/ MH-1 turned off. He says there's air sputtering out but no H_2O; TG says water level in MH-2 is going down
Dan's calls PM Duke Mahin
Check flow meter - working but even with no flow, still reading ~3psi. MH-1 gauge also still reads @ ~8
1455 - CM says let run in auto to see if it will run. Even if slow, it better. Start pumps in auto & clean up.
1510 all off site
final reading
MH-1-0 31239790
MH-2-0 12672050
FS 0 00232218
- note - MH-2 appears to run intermittently, but flow totalizer not moving

Dan 2

-/5/05 weekly sampling
1010 DS onsite
MH-1-Ø 31253956
MH-2-Ø 12679413Ø
FS-Ø 002345 6
1015 SAMPLE @ effluent
manholes - (3" Hose)
NO effluent. DS calls Andy
McKenney. He says try:
① remove nozzle from
pipe + ensure there is no
clog.
② Run pumps in MH-1 in
hand to try to force
effluent.
DS attempts Neither works
1048 Andy McKenney advises
waiting a bit to try sampling
again. if no effluent, then
there is not enough H_2O
in MHs.
1054 DS off site.

[signature]

12/19/05 -

0850 L. McKenney, C. Nixon onsite
Paragon - Andy Kirch + [illegible]
on Site.
15 minute H+S Meeting -
Discuss - Slips, pinching, things
Falling from lift +
Equipment.

0910 PEC Crew has Donned PPE
starting Dismantlement of
Air stripper.

1025 - Quick Break Top + 4th + 3rd
off.

1040 - Crew Back to work - Taking
2nd section. -

1200 - PEC Crew Taking lunch - having
a hard time getting Section
off Unit Base.

1230 - All crews Back on Site -
Taking off 1st Section. -

1245 - 1st Section off - Wayne
Cleaning Base Unit Andy + K
Cleaning Unit # 4.

12-19-05

1435 - Crew still scraping + Drumming up Scale - Andy wants to Check when to change out Screen for Vent/Exhaust.

1530 - Crew has Put all Equipment within Containment Area, All Loose material has been Drummed - The Game Plan for 12/20/05 is to Drill all holes, Knock off Rest of Scale + Drum. Crew is going to Pump Unit Dry tomorrow to Clean out in afternoon of 1st thing Wednesday morning. All off Site

(WCN)

12/20/05

0700 - C. Nixon (ENSR) + Kr[illegible] on site.

0720 - Andy + Wayne on site - H+S meeting - Eye Protec + Lifting Safety Discussed Hazards. - Hearing Protectio

0730 - Crew is starting 2nd Debris R

1100 - Crews nearly Complete w Hole Drilling + Scraping o Individual Sections. The Lar Base Unit is nearly emp of Water.

1200 - PEC Taking Lunch, CA still Drilling holes,

1300 - C. Nixon has Completed of the Drilled holes. PEC Back from lunch + Starting to Remove Scale From Base Unit

1400 Keith + Andy have finish Scraping the last of the Single small Units. Wayn is still working on Bus Unit

12/20/05 Cont'd.

1430 - Wayne has Completed the Base Unit & is now Putting the Waters Removed Back in; White Andy & Keith are Sweeping up Dust & Cleaning Floor.

1530 - PEC Crew has Completed the Drilling & Scrapping of EACH unit - The Water has been put Back into the Base Unit, The Old Gaskets have been Removed. Crew offsite. C Nixon off Site (wen)

12/21/05

0700 - C Nixon on Site - PEC Crew on Site. Brief H&S meeting - Pinching hazards & Lifti... Crew Starting to Put Levels 1-4 Back on Bas... no Duct Tape used to hold on New Gaske...

0940 - Unit Back together The Top & ALL Piping & Duct Exhaust Being Tightened down. ALL connects have Been checked. - Needs m... Clamps at next clea...

1015 - Blower started.
1030 - Pumps are Running Initial "Pressures"
Manhole No - 1 100#
Manhole No - 2 40#
1033 - Manhole No. 2 - @ 0 gal/min.
Manhole No. 1 @ 100 gal/m...
Air pressure gauge @ Unit is 9 in/water

12/21/05 cont'd

1035 - Spoke w/ L. McKenney he asked that Andy + I Watch For about an hour - hour and a ½ to make sure Unit is Charged + No ALARMS / issues arise from Restart.

1040 - ALL Excess Scale on Floor has been Cleaned up + Put in Drum. Drum has been Labeled + Closed.
Signet Accum-U-Flo
1267277
(MH # 2)
3126852
(MH # 1)
23617
(Floor Sump.)

Blower Hours - 20350.5 + moving.

1100 - Water in Manhole #2H is @ 42" from Top of Manhole.

12/21/05 -

1130 - Locked up Panels + Re
Lock out/TAG-OUT Lock.

PEC Crew + C Nixon off

12/22/05 Dan Skeen

1000 - DMS onsite for bid walk
- NOTED NO DISCHARGE AT EFFLUENT.

Readings: MH-1: 31271960
MH-2: 12672800
FS: 0023617

- Alarm was off.

1115 - Bill Simpson of Optech Reset System.

1140 - Ck rectifier of pump in MH-2 & the box.

1230 - Pressure on air stripper after system was restarted was 9 psig, @ 30 minutes pressure is 4 psig.

1240 - Op-Tech thinks heater on MH-2 may be bad.

1255 - Water Level at MH-2 ~ 48".

1300 - DMS & Bill Simpson (Op-Tech) OFFsite.

12/29/2005 Thursday

1215 John Imhoff, ENSR on site for weekly sampling.

- No effluent discharge / no sample collected.

MH1 = 31300660
MH2 12673120
FS 0023617
Magnehelic = 5" H_2O

1230 Off-site

J. Imhoff