2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

2200 BLEEKER 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 licensed Professional Engineer in the State of New York, certify that the 2004 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)8, has been prepared in accordance with good engineering practices. I further certify that the inspections and evaluations, for said sections, were implemented and that all activities were completed in accordance with the Department-approved Operation, Maintenance and Monitoring Manual and/or Department-approved changes, and were personally witnessed by me or by a person under my direct supervision.

Synapse Engineering, PLLC

PAUL M. FISHER, P.E.

CERTIFICATION

I, James R. Heckathorne, P.E., as a licensed Professional Engineer in the State of New York, certify that Section 6 of the 2004 Annual Operation, Maintenance and Monitoring Report, 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.

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APPENDIX F Groundwater Analytical Data
APPENDIX G Groundwater Treatment System Inspection Logs

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

1.0 INTRODUCTION

This 2004 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 Properties, 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. 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 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, to include 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. The NYSDEC provided comments to the 2003 Annual OM&M Report, dated April 27, 2004, that requested that monthly discharge monitoring reports (DMRs) and associated reports not be included in future Annual OM&M Reports.

1.4 Property Management

On behalf of UHC, Synapse Risk Management, LLC (Synapse), of Syracuse, New York, has been managing the administrative and technical requirements pursuant to the RA since June 18, 2004, with the exception of the GTS, which has been operated by O'Brien and Gere Engineers, Inc. (OBG), of East Syracuse, New York. As indicated in a July 2004 letter transmitted to NYSDEC, personnel historically responsible for managing the administrative and technical requirements pursuant to the RA, with the exception of the GTS, transitioned from Domani, LLC to Synapse. This change occurred without lapse to the OM&M at the Property.

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, both of Houlihan-Parnes Realtors, since 1997.

Potential environmental conditions of 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 drawing 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 Area);
- 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 currently maintains responsibility for 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 3 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 dips 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 2004.

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 additional forms, and are discussed in appropriate sections throughout this report. During 2004, 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 former 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 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

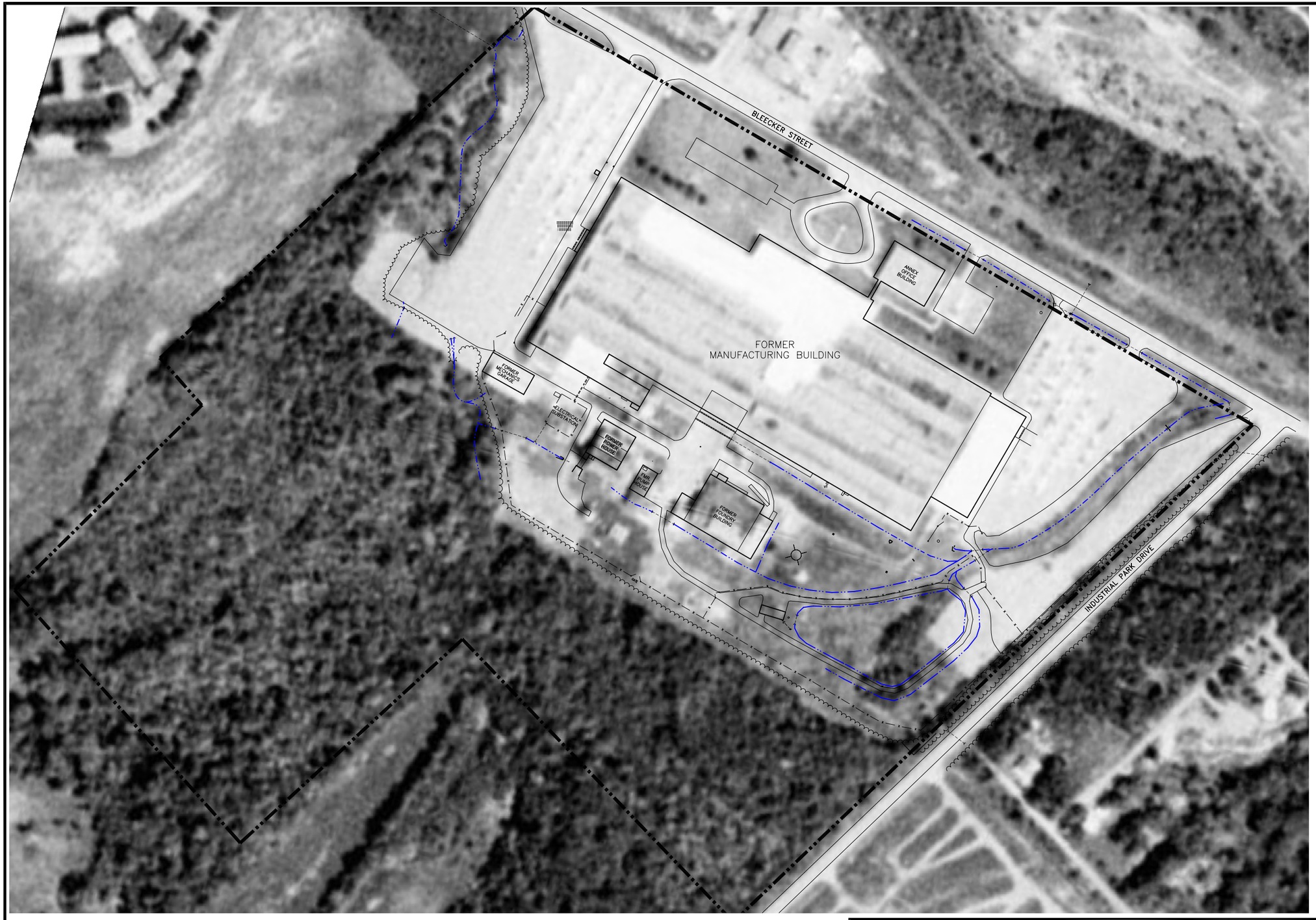
The northern portion of the Property continued to be active throughout 2004, however, the southern portion remains wooded and inactive. Tenants occupy approximately 80% of the Main Building and continue to use the surrounding access roads and parking lots. The Property is accessed a minimum of once per 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

2-1 Aerial Property Map

2-2 Facility Plan

2-3 Historical Remedial Action Areas



LEGEND

- APPROXIMATE PROPERTY LINE
- CHAIN LINK FENCE
- SURFACE DRAINAGE CULVERT
- DRAINAGE DITCH
- DRAINAGE PIPE
- 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
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB03.DWG

synapse

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SYRACUSE, NEW YORK 13202

2004 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

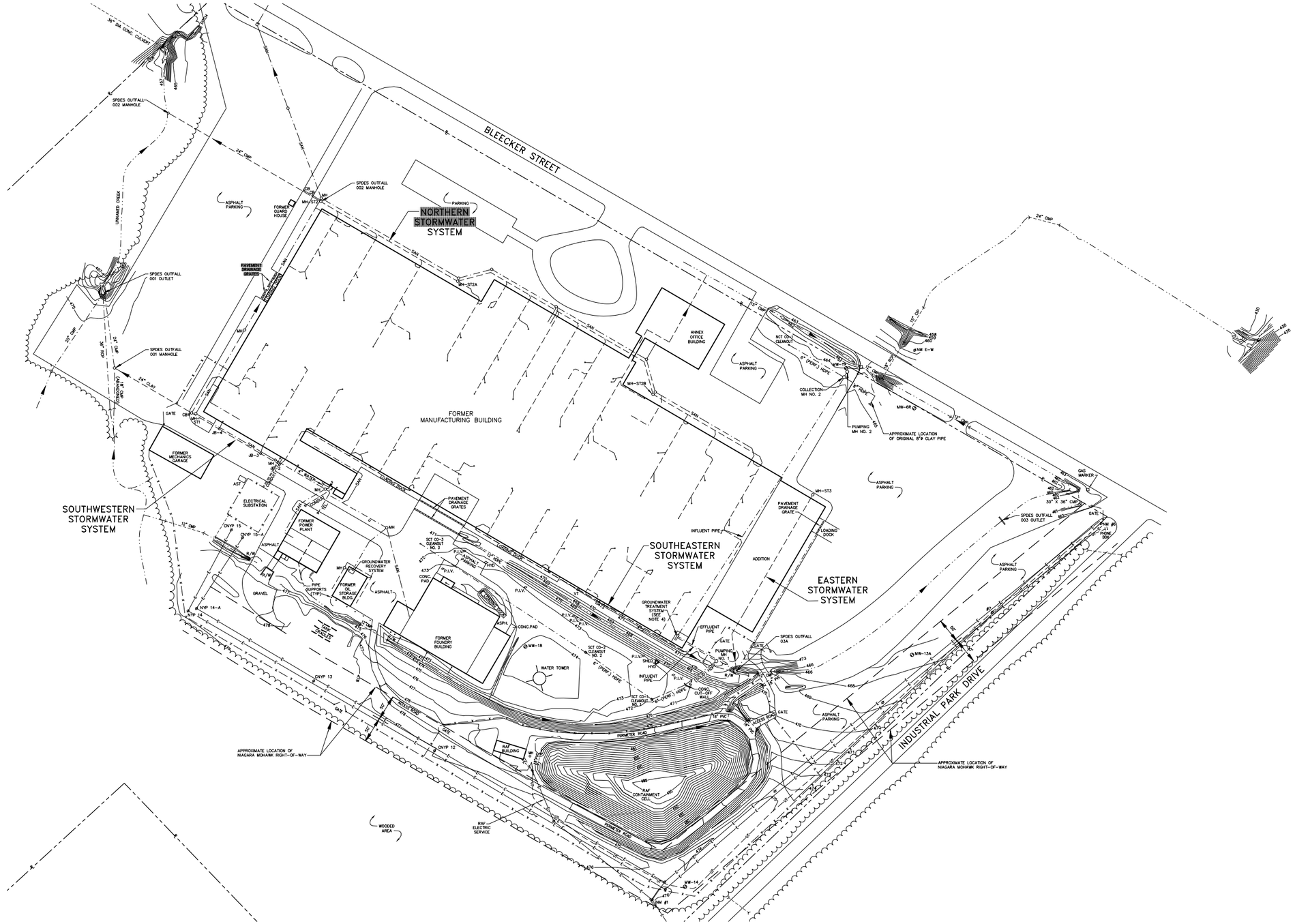
2200 BLEECKER STREET
UTICA, NEW YORK

AERIAL PROPERTY MAP

PROJECT NO.: DANA 01-04

DATE: MARCH 2005

FIGURE NO.: 2-1



LEGEND

- 470 — INDEX ELEVATION CONTOUR
- 469 — INTERMEDIATE ELEVATION CONTOUR
- ⊙MH — MANHOLE
- —x—x—x— CHAIN LINK FENCE
- ø 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.

100' 0 100' 200'

GRAPHIC SCALE: 1" = 200'

X: CP-BASE
P: BL
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB04.DWG

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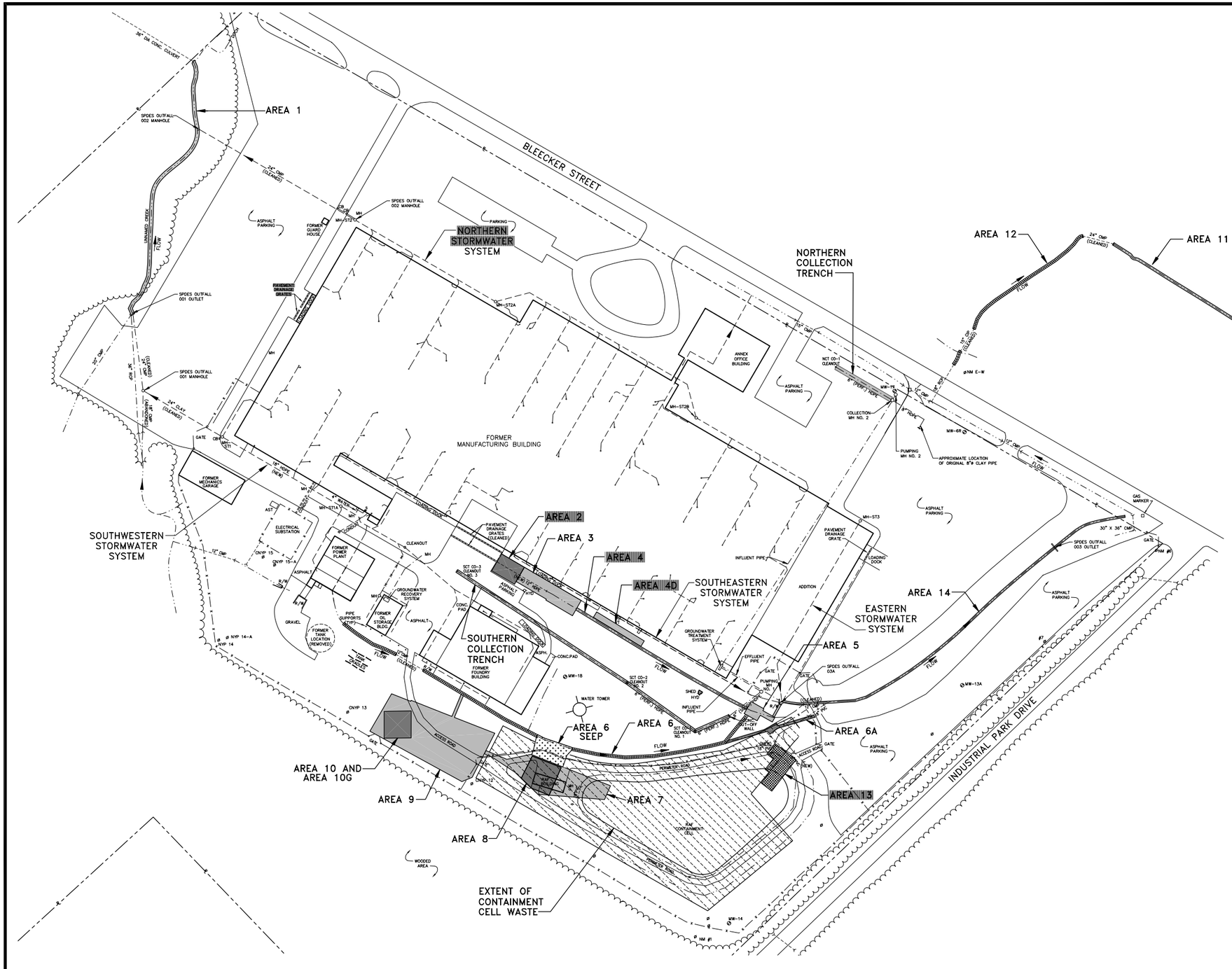
2200 BLEECKER STREET
UTICA, NEW YORK

FACILITY PLAN

PROJECT NO.: DANA 01-04

DATE: MARCH 2005

FIGURE NO.: 2-2



LEGEND

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

NOTES:

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

X: CP-BASE
P: BL
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB05.DWG

synapse
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2004 ANNUAL
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MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

HISTORICAL REMEDIAL ACTION AREAS

PROJECT NO.: DANA 01-04
DATE: MARCH 2005
FIGURE NO.: 2-3

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 to collect and subsequently dispose 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 and 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 running the length of the containment cell, and 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.

- *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 level sensor installed in the tank is used to determine the 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 facilitate 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 2004. 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 2004 calendar year. An annual total system check was performed, as required, and reportedly, no alarm was received during 2004.

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 4,700 gallons were pumped during 2004, totaling 53,700 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 2004 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, seeding, vector burrows, 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 2004 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;
- Spot restoration of vegetative cover on the containment cell;
- Installation of additional 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 collection/generation 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 was monitored and has 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 2004. Chart 3-1 – Cumulative Leachate Generation graphically represents the data in Table 3-1. A total of 4,700 gallons was metered during 2004, indicative of an average flow of approximately 13 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. 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 2004 in accordance with the guidance set forth in the OM&M Manual. One sample of the leachate from storage tank filling number 12 (LT-12), 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 filling for LT-12 began on December 5, 2003.

The analytical results of the leachate sample collected for LT-12, indicated compliance with the permit limits set forth by the OCDWPC. On August 26, 2004, Leachate for LT-12 was disposed of to the OCDWPC sanitary sewer system and leachate storage tank number 13 (LT-13) began. The leachate disposal authorization for LT-12 from OCDWPC and analytical data packages are provided in Appendix C - Leachate Disposal Correspondences and Analytical Data. The total leachate disposal for 2004 was approximately 2,760 gallons for LT-12.

3.6 Summary

The RAF facility and associated components generally operated as planned through 2004. The monitoring and inspection continues, as necessary, to evaluate trends and the ongoing condition of the facility. The operation and maintenance performed during the 2004 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 2004 (4,700 gallons), indicates an overall downward tend in leachate generated to date. The average production rate for 2004 was approximately 13 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 2004 totaling approximately 2,760 gallons indicated as LT-12.

Synapse concludes that the RAF performed as designed during 2004, and recommends continuing OM&M as prescribed and scheduled.

3.7 Tables

3-1 Cumulative Leachate Generation

3-2 Leachate Generation Per Year

TABLE 3-1
CUMULATIVE LEACHATE GENERATION

2004 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

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

NOTES:

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

TABLE 3-2
LEACHATE GENERATION PER YEAR

2004 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Year	Reading Date	Monotoring Period	Totalizer Reading	Gallons Per Year	Flow (gpd)	Flow (gpm)
Begin	5/19/1999		0			
1999	12/21/1999	216	20200	20200	93.5	0.0649
2000	12/15/2000	360	32700	12500	34.7	0.0241
2001	12/18/2001	368	40400	7700	20.9	0.0145
2002	12/13/2002	360	46400	6000	16.7	0.0116
2003	12/31/2003	383	52600	6200	16.2	0.0112
2004	12/17/2004	352	57300	4700	13.4	0.0093

NOTES:

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

3.8 Charts

3-1 Cumulative Leachate Generation Over Time

3-2 Leachate Generation Per Year

CHART 3-1
CUMULATIVE LEACHATE GENERATION

2003 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

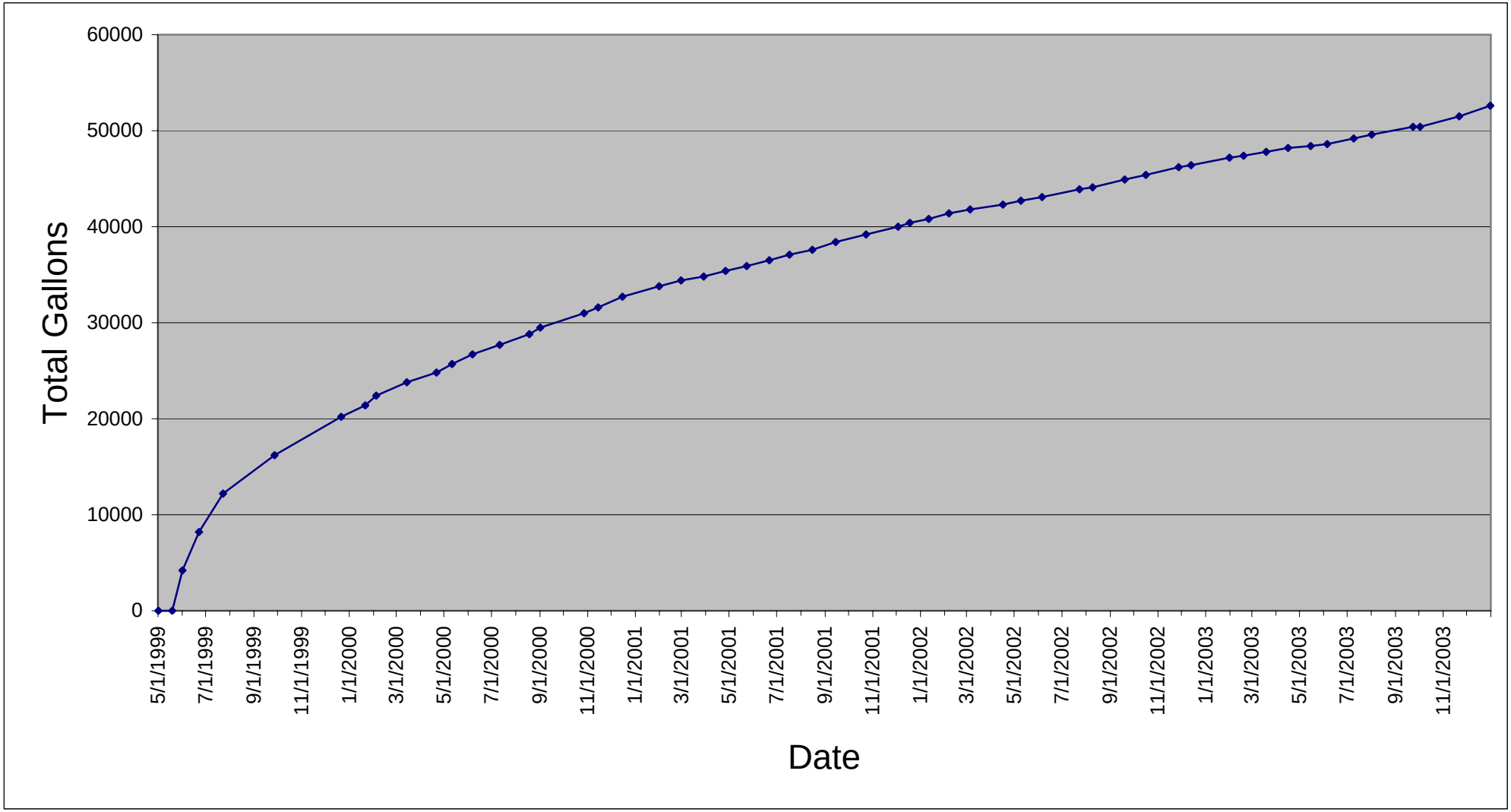
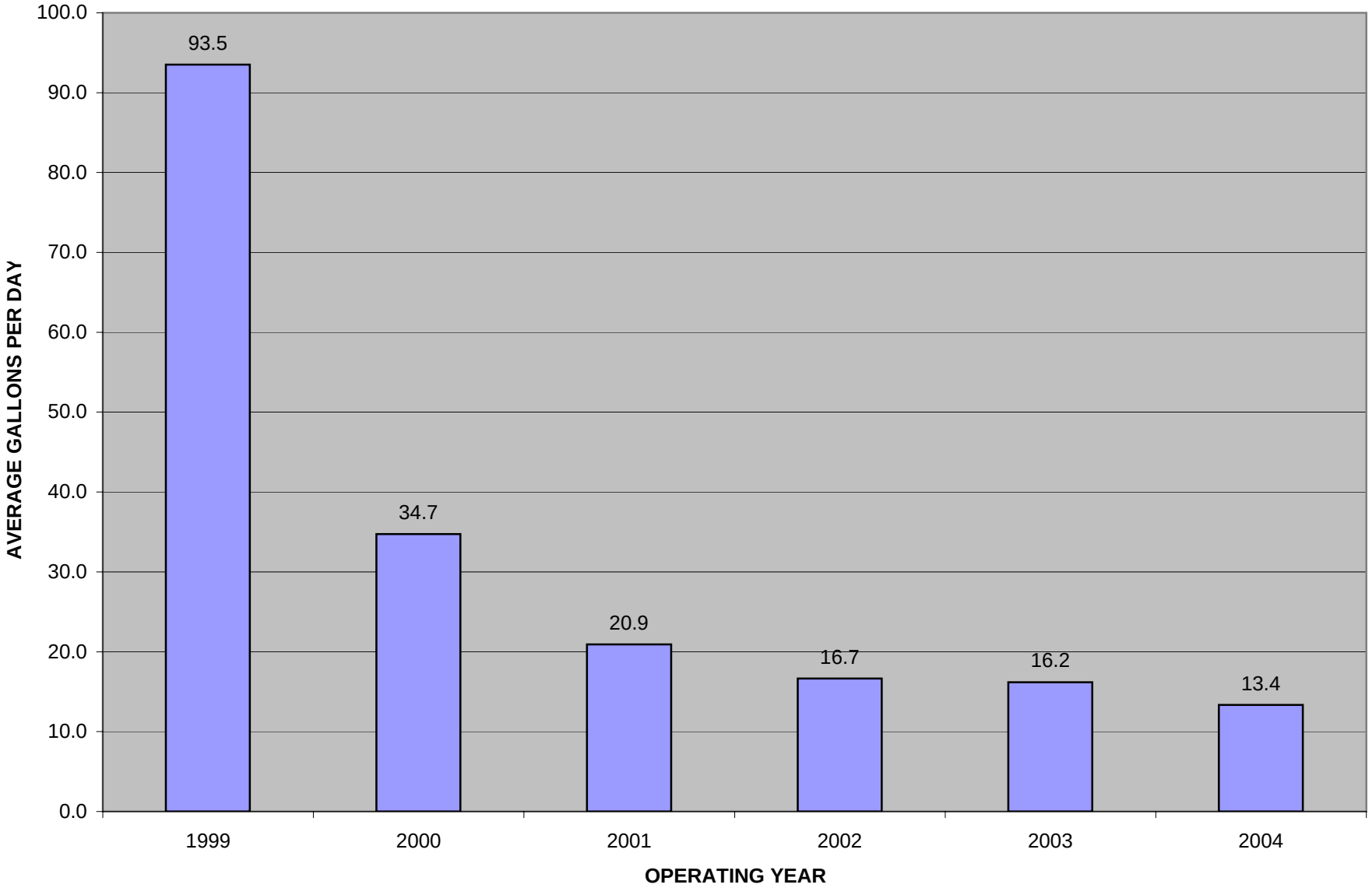


CHART 3-2
LEACHATE GENERATION PER YEAR

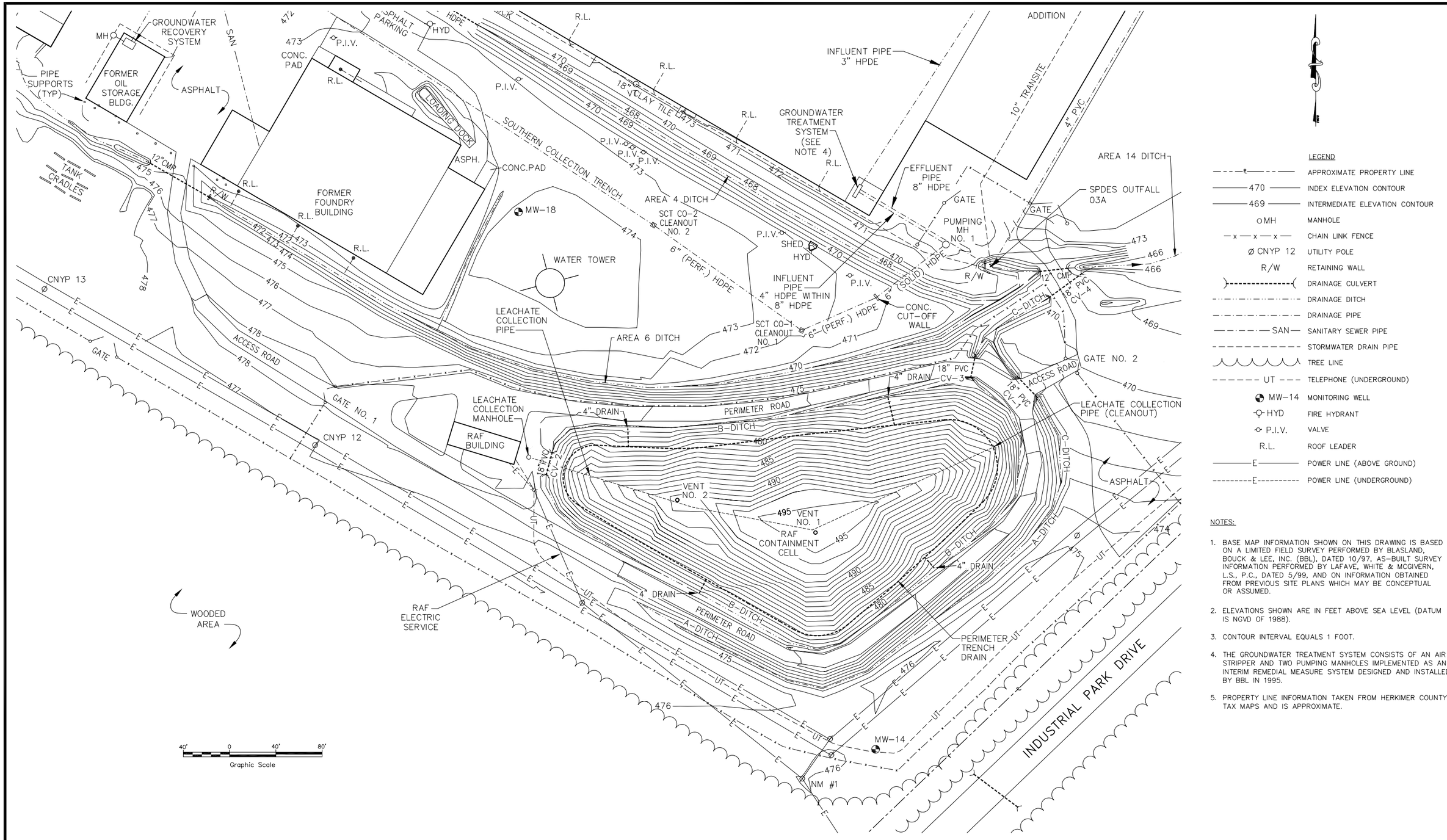
2004 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003



3.9 Figures

3-1 Remedial Action Facility Plan

3-2 Building, Tank, and Piping Plan



LEGEND

- APPROXIMATE PROPERTY LINE
- 470 — INDEX ELEVATION CONTOUR
- 469 — INTERMEDIATE 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.

synapse

SYNAPSE RISK MANAGEMENT, LLC
400 UNIVERSITY BUILDING
120 EAST WASHINGTON STREET
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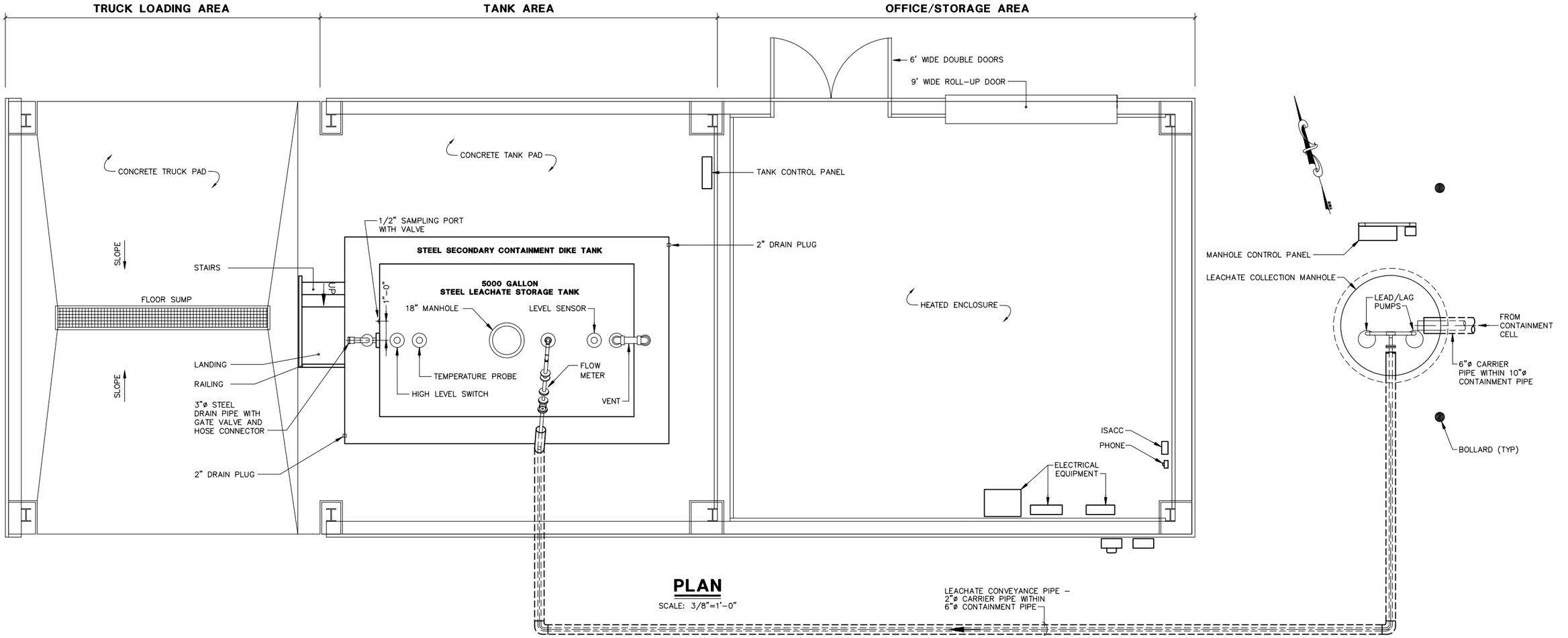
2004 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

REMEDIAL ACTION FACILITY PLAN

PROJECT NO.: DANA 01-04
DATE: MARCH 2005
FIGURE NO.: 3-1

X: CP-BASE.DWG
D2BBW
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB11.DWG



PLAN

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

0 4' 10'

GRAPHIC SCALE

X: FOUNDAT.DWG
D2BBW
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB10.DWG

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2004 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

BUILDING, TANK, AND PIPING PLAN

PROJECT NO.: DANA 01-04

DATE: MARCH 2005

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 2004. 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 that included well decommissioning and new well installation. The sections that follow review the construction, monitoring, sampling, and data evaluation 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 22, 2004 and October 18, 2004. Water levels in the cleanouts for the NCT and SCT were measured during the 2004 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 2004 are shown in Table 4-1 – 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. Refer to Figure 4-1 – Overburden Groundwater Elevation Contour Map - April 22, 2004, and Figure 4-2 – Overburden Groundwater Elevation Contour Map - October 18, 2004. A summary of water levels from 1999 to 2004 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 22 and 23, 2004 and October 18 and 19, 2004, as part of the OM&M. 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 2004 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 well. Groundwater field parameters were obtained from each well 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 2004 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 2004 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 – 2004 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 2004. The original laboratory analytical data for 2004 were provided under separate cover to NYSDEC upon receipt from the laboratory, and are provided in Appendix F – Groundwater Analytical Data. The following summarizes analytical data from each well:

MW-6R

- Analytical results for VOCs indicated no detectable concentrations for both 2004 sampling events;
- Analytical results for PCBs indicated no detectable concentrations for both 2004 sampling events;
- The metal concentrations from both 2004 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 2004 sampling events;
- Analytical results for PCBs indicated no detectable concentrations for both 2004 sampling events;
- The metal concentrations from both 2004 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 2004 sampling events;
- Analytical results for PCBs indicated no detectable concentrations for both 2004 sampling events;
- The metal concentrations from both 2004 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 2004 events.

MW-18

- Vinyl chloride (VC) was detected at a concentration of 3.5 parts per billion (ppb), which exceeded the TOGS 1.1.1 guidance value of 2 ppb, during the April 2004 sampling event. All other VOCs were not detected at concentrations above method detection limits;

- Vinyl chloride (VC) was detected at a concentration of 7 ppb, which exceeded the TOGS 1.1.1 guidance value of 2 ppb, during the October 2004 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 2004 groundwater sampling events and are comparable with historically identified concentrations;

- Analytical results for PCBs indicated no detectable concentrations for both 2004 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 2004 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 2004 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 method detection limit for five consecutive sampling events. 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 elevated concentrations of VCs in MW-18 are most likely due to the effectiveness of the SCT. 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.

Given five years of certain consistent analytical data, Synapse recommends the following modification to the groundwater monitoring program:

- Groundwater sampling and analysis for PCBs should be discontinued from the groundwater monitoring program given that PCBs have never been detected at concentrations above method detection limits in the any of the OM&M monitoring wells;

- MW-13A located cross-gradient, should be decommissioned as the select analytical parameters of VOCs and PCBs have never been detected at concentrations above method detection limits..

- MW-14, located upgradient of the RAF, should be reduced to annual sampling; and

- The remainder of the monitoring wells should be sampled as presently scheduled in the OM&M Manual.

4.6 Tables

4-1 2004 Groundwater Elevation Summary

4-2 Cumulative Groundwater Elevations

4-3 Groundwater Constituents, Methods, and Practical Quantification Limits

4-4 2004 Groundwater Analytical Results

4-5 Cumulative Groundwater Analytical Results

TABLE 4-1
2004 GROUNDWATER ELEVATION SUMMARY

2004 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: 4/22/04						
MW-6R	462.69	10.52	10.52	465.47	3.88	461.59
MW-13A	467.30	11.07	11.05	469.23	2.56	466.67
MW-14	475.71	12.94	12.90	478.45	3.03	475.42
MW-17	463.89	11.25	11.24	466.02	Dry	Note 5
MW-18	474.10	11.78	11.79	475.96	4.71	471.25
SCT CO-1	NA	NA	NA	472.30	Dry	465.20
SCT CO-2	NA	NA	NA	473.42	7.80	465.62
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	12.21	453.10

Monitoring Well ID	Ground Surface Elevation	Installed Depth from TOR	Measured Depth from TOR	TOR Elevation	Water Depth from TOR	Water Elevation
Date Gauged: 10/18/04						
MW-6R	462.69	10.52	NM	465.47	4.44	461.03
MW-13A	467.30	11.07	NM	469.23	4.22	465.01
MW-14	475.71	12.86	NM	478.37	5.84	472.53
MW-17	463.89	11.25	NM	466.02	Dry	NA
MW-18	474.10	11.78	NM	475.96	4.70	471.26
SCT CO-1	NA	NA	NA	472.30	Dry	465.20
SCT CO-2	NA	NA	NA	473.42	7.80	465.62
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	12.30	453.01

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.

TABLE 4-2
CUMULATIVE GROUNDWATER ELEVATIONS

2004 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

Notes:

1. All elevations reported in feet.
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

2004 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
2004 GROUNDWATER ANALYTICAL RESULTS

2004 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

April 2004 Sampling Event

Well ID	Detection Limit	Standards and Guidance Values	MW-6R	MW-13A	MW-14	MW-17	MW-18	042204/042304
Date Sampled			4/22-23/2004	4/22-23/2004	4/22-23/2004	4/22-23/2004	4/22-23/2004	4/22-23/2004
Sample Type			Primary	Primary	Primary	Primary	Primary	Duplicate of MW-14
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	**3.5**	<1
Metals								
Chromium	10	50	<10	<10	<10	NS	<10	<10
Copper	10	200	<10	<10	12	NS	<10	<10
Lead	10	25	<10	<10	<10	NS	<10	<10
Zinc	10	2,000	<10	29	17	NS	18	20
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 2004 Sampling Event

Well ID	Detection Limit	Standards and Guidance Values	MW-6R	MW-13A	MW-14	MW-17	MW-18	101804/101904
Date Sampled			10/18-19/2004	10/18-19/2004	10/18-19/2004	10/18-19/2004	10/18-19/2004	10/18-19/2004
Sample Type			Primary	Primary	Primary	Primary	Primary	Duplicate of MW-13A
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	**7.0**	<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	19	12	<10	NS	<10	17
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

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

2004 ANNUAL OM&M REPORT
2200 BLEEKER 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
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
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

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2004 ANNUAL OM&M REPORT
2200 BLEEKER 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
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
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	<10	<10	<10	MW-14
Oct-04	NS-1	<10	<10	<10	<10	<10	<10	MW-13A

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2004 ANNUAL OM&M REPORT
2200 BLEEKER 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
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	<10	18	20	MW-14
Oct-04	NS-1	19	12	<10	<10	<10	17	MW-13A
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

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2004 ANNUAL OM&M REPORT
2200 BLEEKER 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
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
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

TABLE 4-5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS

2004 ANNUAL OM&M REPORT
2200 BLEEKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

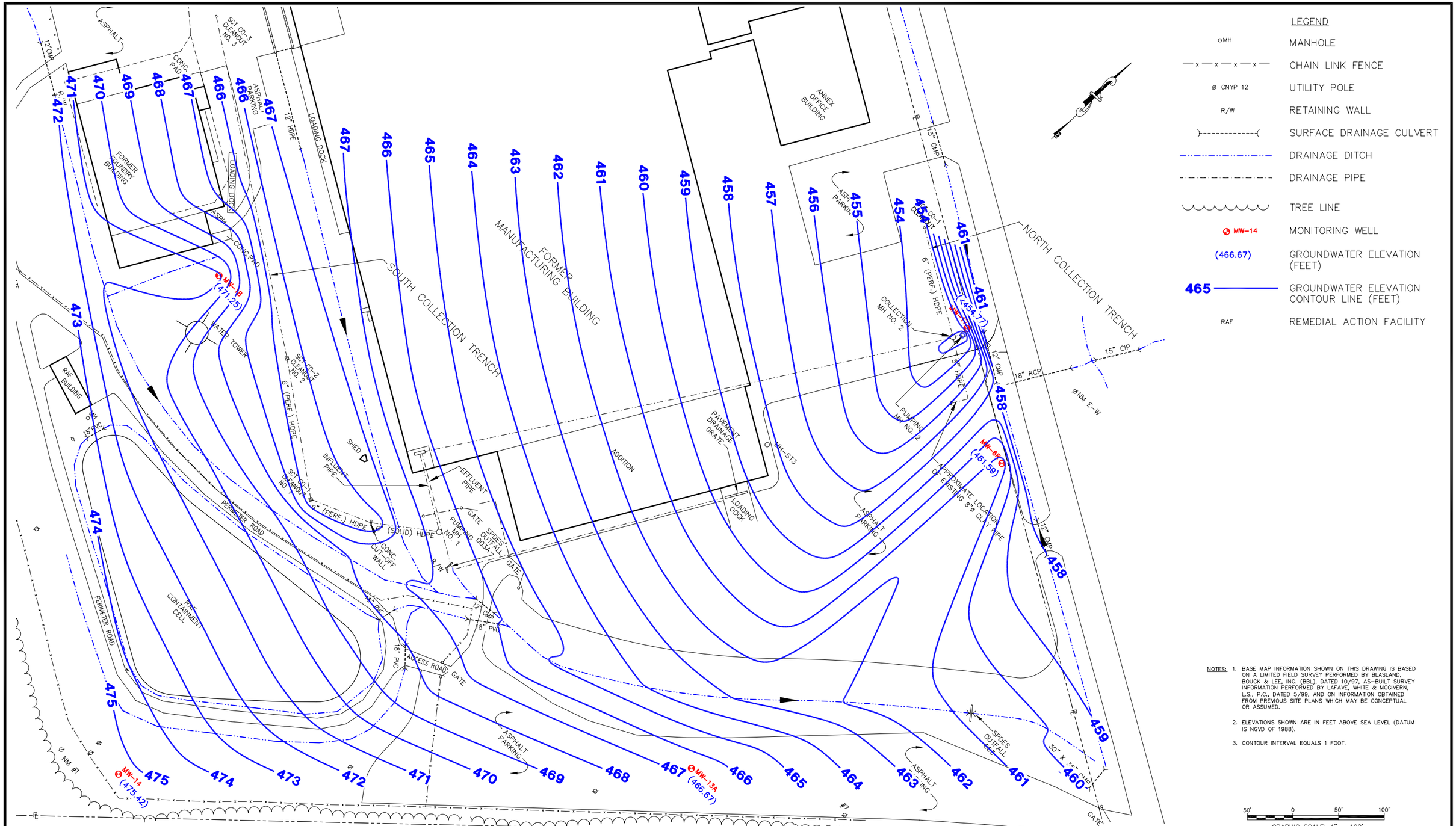
Analytes	MW-3	MW-6R	MW-13A	MW-14	MW-17	MW-18	DUP-1	DUP Well
Aroclor 1248								
Feb/March 1999	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-18
Sep-99	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Mar-00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	MW-13A
Sep-00	0.46 C	1.2 C	<0.05	0.62 C	<0.05	0.15 C	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
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
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

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

4-1 Overburden Groundwater Elevation Contour Map - April 22, 2004

4-2 Overburden Groundwater Elevation Contour Map - October 18, 2004



X: CP-BASE
P: BL
3/3/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB01.DWG

synapse

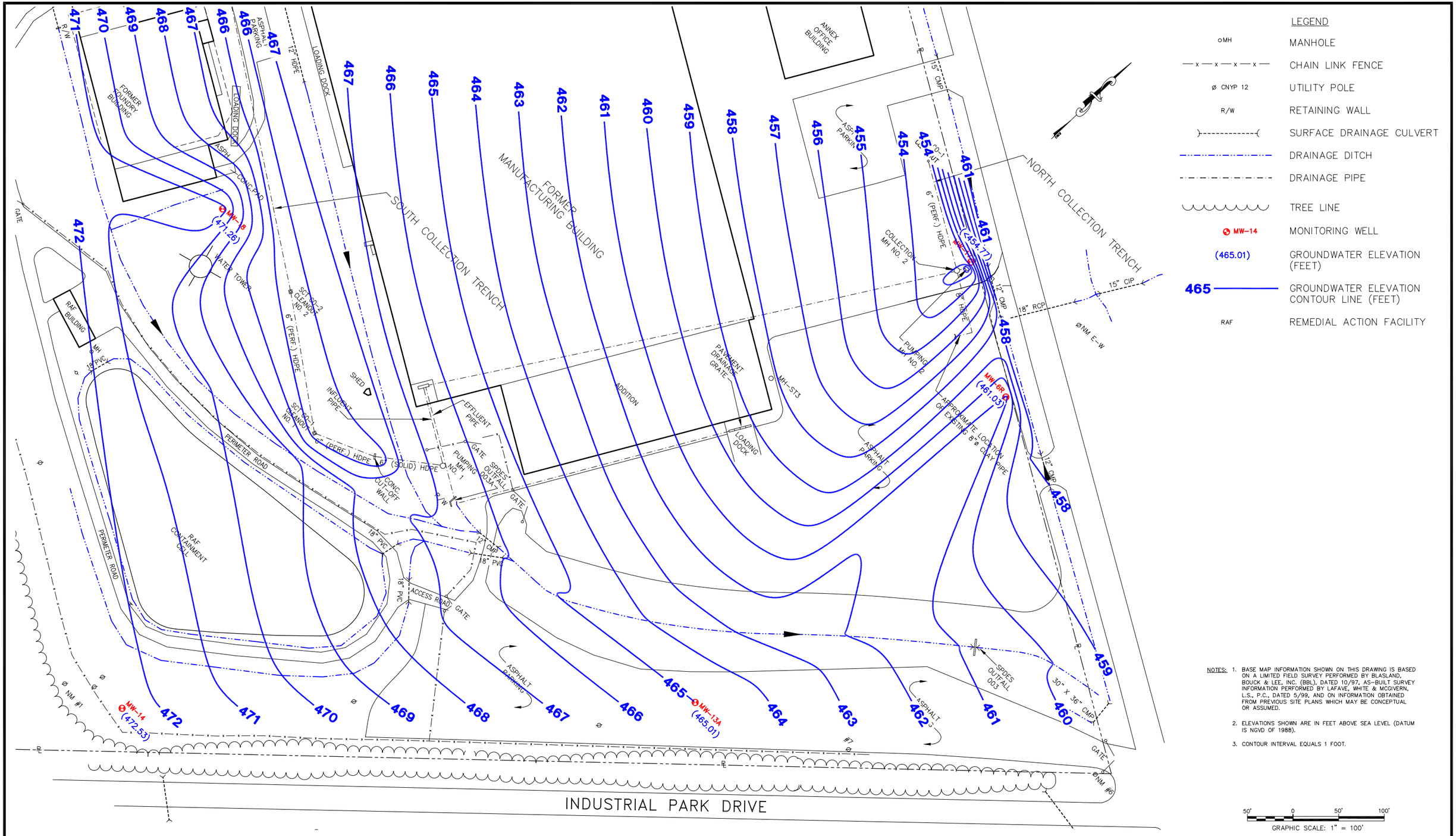
SYNAPSE RISK MANAGEMENT, LLC
400 UNIVERSITY BUILDING
120 EAST WASHINGTON STREET
SYRACUSE, NEW YORK 13202

2004 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP APRIL 22, 2004

PROJECT NO.: DANA 01-04
DATE: MARCH 2005
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
3/3/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB02.DWG

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

2004 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP OCTOBER 18, 2004

PROJECT NO.: DANA 01-04
DATE: MARCH 2005
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 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.

Outfall 002

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

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; 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

Outfall 001 construction activities 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

Outfall 002 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

Outfall 003 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 2004 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 2004, with the exception of detected oil and grease, copper, and cis-1,2-dichloroethylene concentrations in certain samples. These excursions were reported to the NYSDEC Region 6, Division of Water representative, Chad Kehoe, by telephone followed by written notification, with an accompanying evaluation and recommendations. Details of the excursions that were reported during the 2004 monitoring period are provided below:

- The cis-1,2-dichloroethylene daily maximum allowable level of 10 ug/l at the Outfall 003 was exceeded during one bi-weekly monitoring event; a concentration of 11 ug/l was detected in the sample collected on January 28, 2004. 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 possibly attributable to effluent from CP's Outfall 003A (SPDES Permit No. NY-0108537) which is located upstream of UHC's Outfall 003. It is our understanding that CP dismantled and cleaned the air stripper in February, 2004. VOCs have not been detected above Permit compliance levels in Outfall 003 subsequent to the January 28, 2004 sampling event.

- Oil & grease concentrations of 26 mg/l and 45 mg/l were detected in the monthly effluent samples collected from Outfalls 001 and 002, respectively, on October 20, 2004. These values exceeded the Permit compliance level of 15 mg/l. Upon receipt of the laboratory analytical report, Synapse verbally notified NYSDEC Region 6, of these concentrations. Given the historic oil & grease analytical data since the effective date of the Permit, these results are sporadic, possibly attributable to the main building and/or the parking lot catch basins connected to the outfalls.

- The copper daily maximum allowable level of 100 ug/l at the Outfall 001 was exceeded during one bi-weekly monitoring event. A concentration of 420 ug/l was detected in the sample collected on October 20, 2004. 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 copper exceedances have not been detected in Outfall 001.

5.3.2 EPA Method 1668A PCB Study

Pursuant to the August 2003 SPDES Permit Modification, a three-year study of PCB congeners is required at Outfall 003. Using USEPA Method 1668A, sampling and analysis of 209 PCB congeners is being conducted at Outfall 003 on a quarterly basis. Four quarterly sampling events were conducted in 2004. Sampling is expected to continue on a quarterly basis through July 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. The samples were submitted to Alta Analytical Perspectives in Wilmington, North Carolina for analysis of PCB Congeners in accordance with EPA Method 1668A and 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 EPA Method 608 analytical results. The analytical results for USEPA Method 1668A are transmitted to NYSDEC in both digital and printed formats.

Analytical results for the four samples collected and analyzed during 2004 are summarized in the following table:

Sample Date	Total PCB Congeners USEPA Method 1668A	Total PCB Aroclors USEPA Method 608
March 10, 2004	3.009 ng/l	<50 ng/l
July 15, 2004	4.134 ng/l	<50 ng/l
October 20, 2004	2.136 ng/l	<50 ng/l
December 17, 2004	2.630 ng/l	<50 ng/l

Notes:

1) Concentrations reported in nanograms/liter (ng/l), approximately equivalent to parts per trillion.
2) Reported concentrations represent sample results minus concentration detected in the method blank.

At this point in the study, no conclusion or subsequent recommendations are provided.

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 is 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.

The Tier 1 acute toxicity testing program at Outfalls 001 and 002 was originally scheduled to be conducted during calendar years ending in 3 and 8. With a current 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 2003 tests indicated unacceptable toxicity for *Ceriodaphnia dubia* for Outfall 002, NYSDEC required that Tier 1 acute toxicity testing be conducted for an additional year (2004) for *Ceriodaphnia dubia*, and reevaluated accordingly.

Ceriodaphnia dubia failed to pass its acute effluent toxicity tests for the 1st and 2nd quarterly sampling events, conducted in March 2004 and June 2004, respectively. Due to the acute effluent toxicity test results, Synapse conducted corrective measures at Outfall 002 as follows:

- Problematic research focusing on potential conditions and/or constituents that may be responsible for the decreased *Ceriodaphnia dubia* survival rate;
- Additional sampling of Outfall 002 and analytical testing of select constituents; and
- Flushing and cleaning manholes MH-ST2 and MH-ST2A, and building laterals that contribute to Outfall 002.

Corrective measures were thoroughly described in a letter report provided to the NYSDEC, dated September 24, 2004. Subsequent to completion of the above corrective measures, no toxicity was detected during the 3rd and 4th quarter acute toxicity sampling events. The *Ceriodaphnia dubia* survival rate over the four quarterly sampling events are depicted as follows.

March 48-hr LC_{50}	**June 48-hr LC_{50}**	**July 48-hr LC_{50}**	**October 48-hr LC_{50}**
68.3%	61.3%	>100%	>100%

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 2004 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.

The EPA Method 1668A PCB Study is ongoing with no reportable excursions, and will continue as scheduled.

The acute toxicity testing of Outfall 002 for *Ceriodaphnia dubia* was performed quarterly in 2004. Greater than 50% *Ceriodaphnia dubia* mortality was identified during the 1st and 2nd quarters at Outfall 002, believed to be attributed to from residual constituents in roof leaders, building laterals, and/or manholes. Corrective measures were implemented, restoring the *Ceriodaphnia dubia* survival rate to an acceptable level for the 3rd and 4th quarters. However, due to the *Ceriodaphnia dubia* survival rate reported during the 1st and 2nd quarters of 2004, acute toxicity testing for *Ceriodaphnia dubia* will continue at Outfall 002 through the 2005 calendar year. Quarterly acute toxicity testing at Outfall 003 is also scheduled to be conducted during the 2005 calendar year for *Ceriodaphnia dubia* and *Pimephales promelas*.

5.5 Tables

Table 5-1 Cumulative Summary of SPDES Monitoring Results

TABLE 5-1
CUMULATIVE SUMMARY OF SPDES MONITORING RESULTS

2004 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

2004 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

2004 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.
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

2004 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

2004 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
SPDES NO. NY-0257087

Monitoring Period	ECL		July '04			Aug '04		Sept '04			Oct ' 04		Nov ' 04		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) / 50 (wet)	mg/l	10	<4	6	<4	5	<4	<4		<4	<4	6	<4	<4	14
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) / 50 (wet)	mg/l	<4	<4	<4	<4	<4	<4	9.0		4.0	<4	<4	<4	<4	<4
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) / 50 (wet)	mg/l	<4	<4	<4	<4	<4	<4		<4	<4	<4	12	8	<4	<4
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.

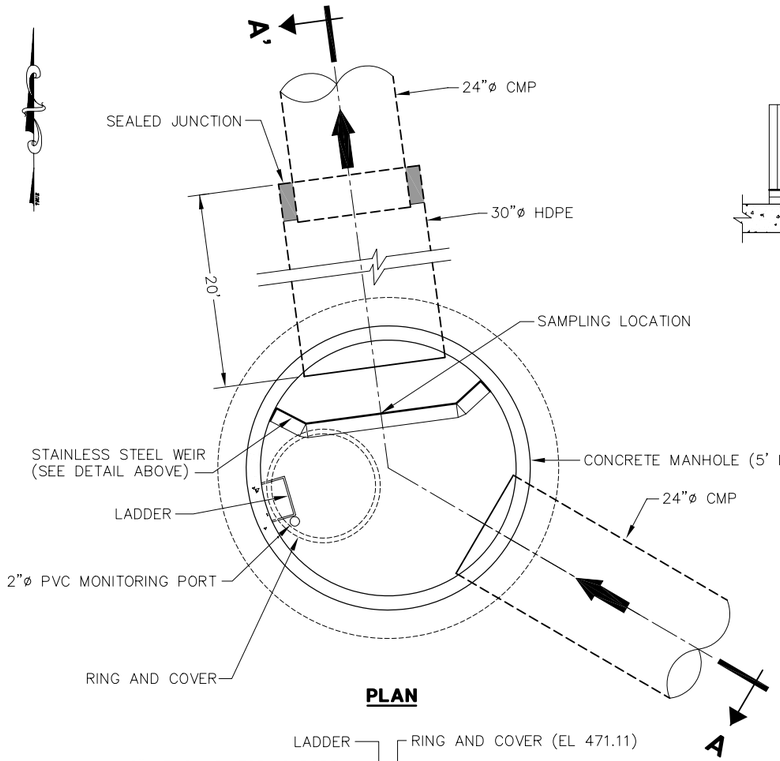
5.6 Figures

5-1 SPDES Outfall 001 Manhole Plan and Selection

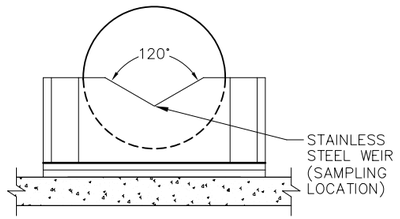
5-2 SPDES Outfall 002 Manhole Plan and Selection

5-3 SPDES Outfall 003 Plan and Selection

5-4 Stormwater System Partial Plan

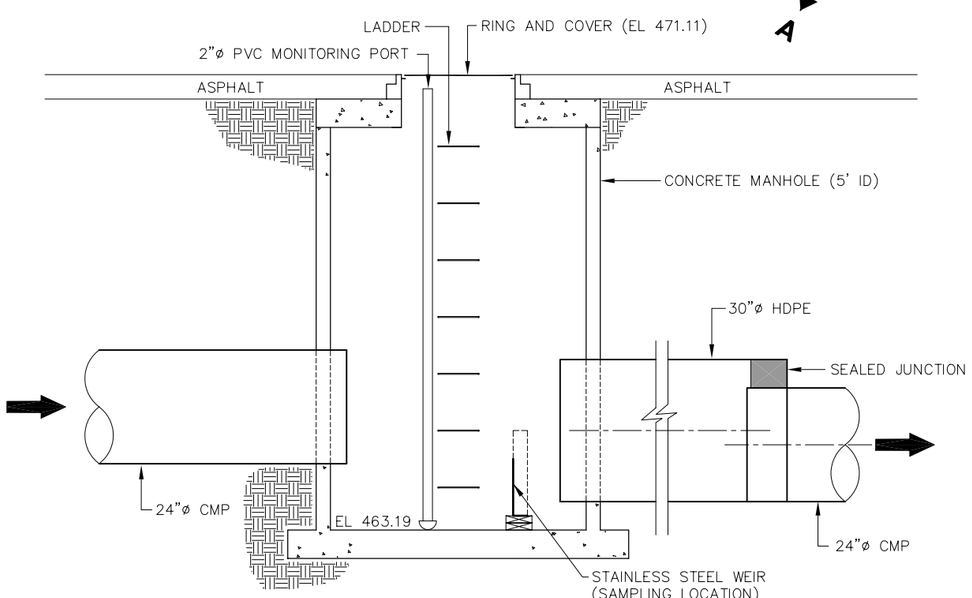


PLAN



WEIR DETAIL

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



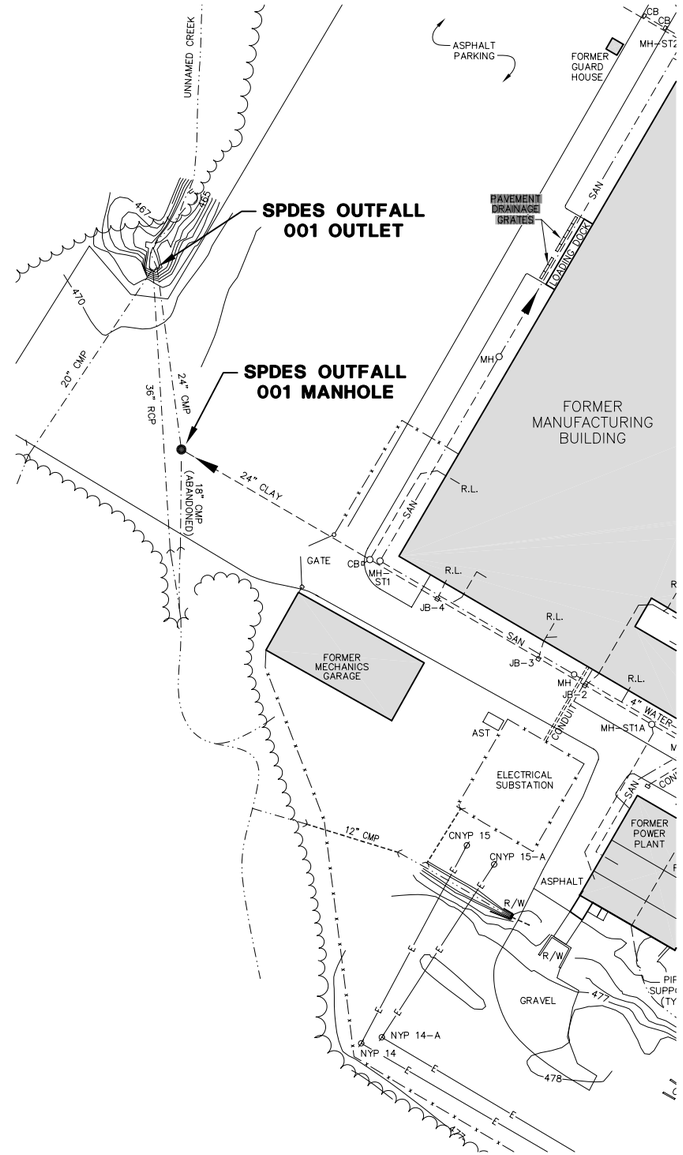
SECTION A-A'

SPDES OUTFALL 001 MANHOLE PLAN AND SECTION

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

0 2' 5'

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



MANHOLE LOCATION PLAN

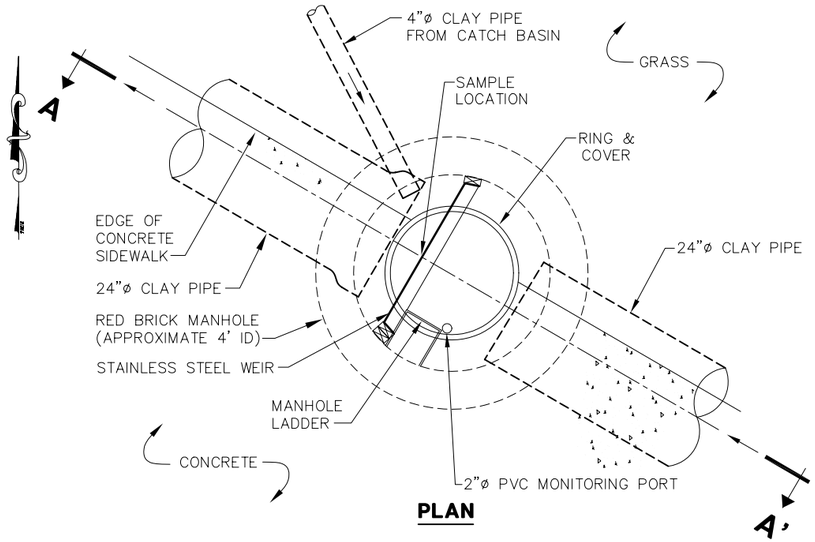
SCALE: 1" = 120'

0 120' 240'

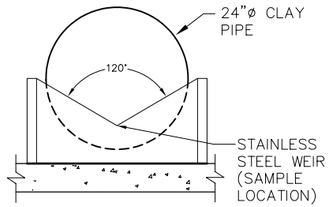
GRAPHIC SCALE: 1" = 120'

X: CP-BASE
P: BL
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB06.DWG

synapse SYNAPSE RISK MANAGEMENT, LLC 400 UNIVERSITY BUILDING 120 EAST WASHINGTON STREET SYRACUSE, NEW YORK 13202	2004 ANNUAL OPERATION, MAINTENANCE, AND MONITORING REPORT 2200 BLEECKER STREET UTICA, NEW YORK	**SPDES OUTFALL 001 MANHOLE PLAN AND SECTION**	PROJECT NO.: DANA 01-04 DATE: MARCH 2005 FIGURE NO.: **5-1**

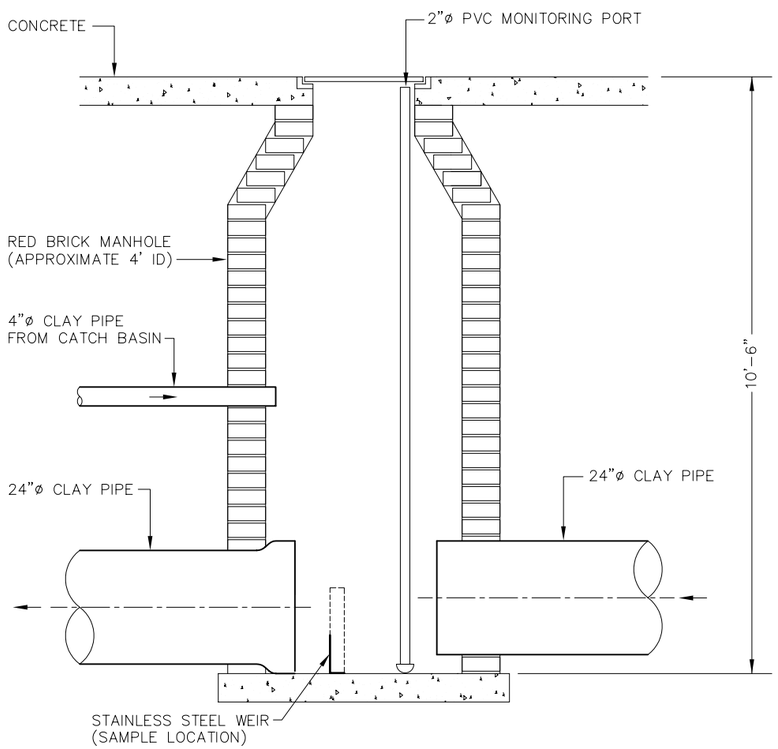


PLAN



WEIR DETAIL

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



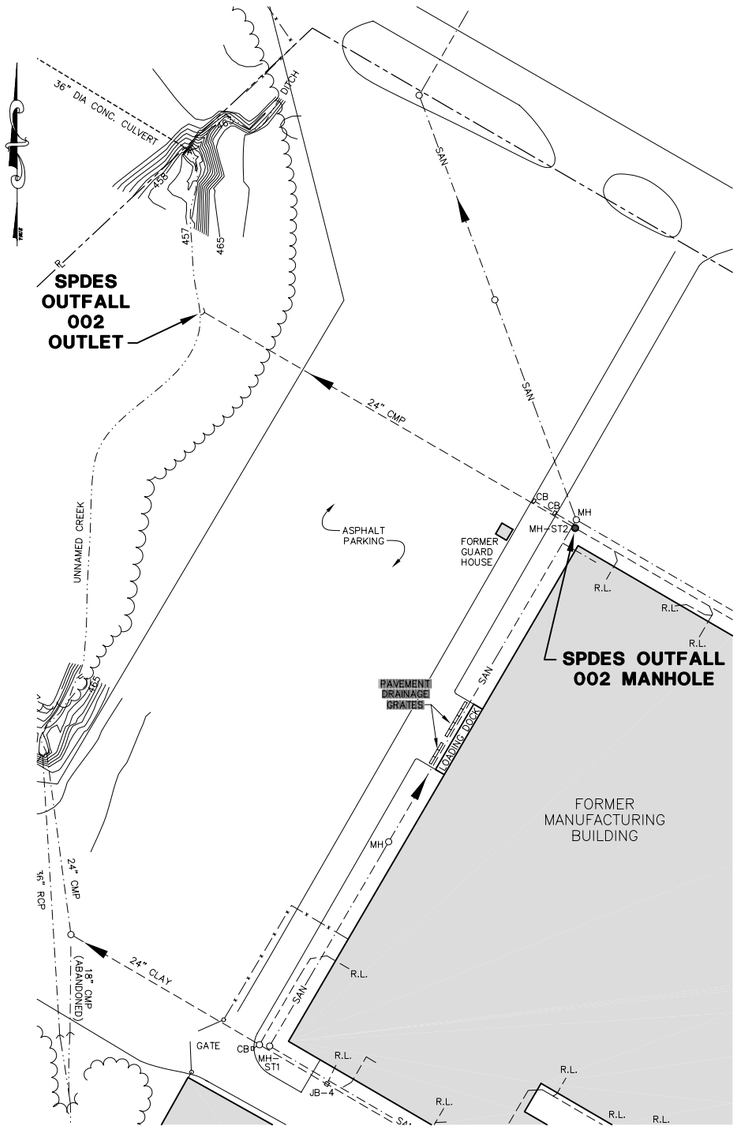
SECTION A-A'

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
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB07.DWG

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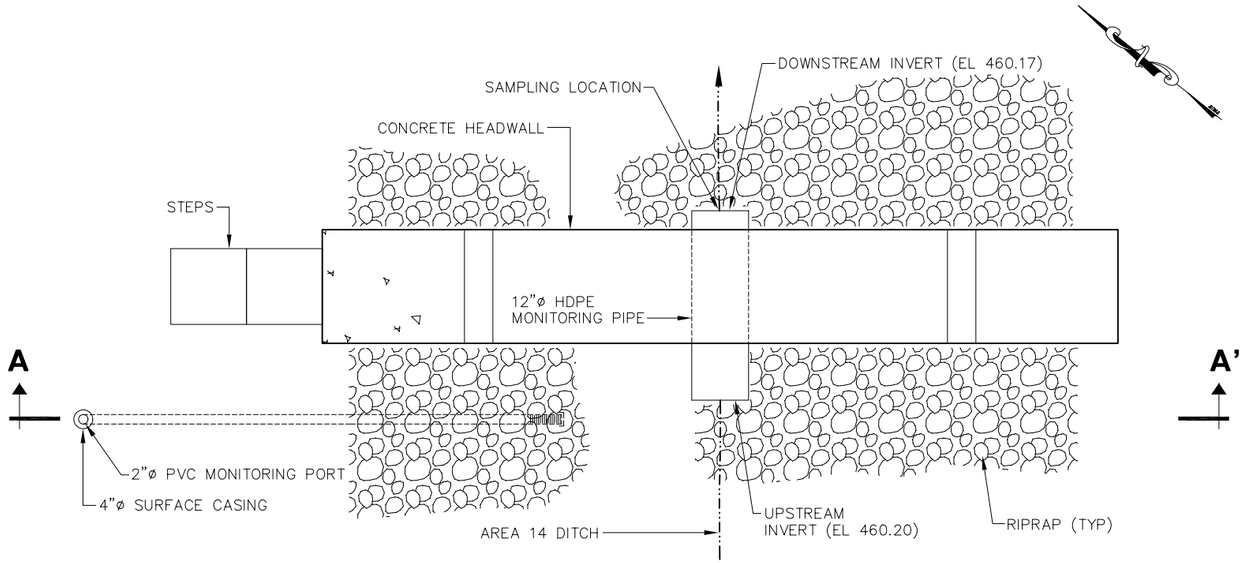
UTICA, NEW YORK

SPDES OUTFALL 002 MANHOLE PLAN AND SECTION

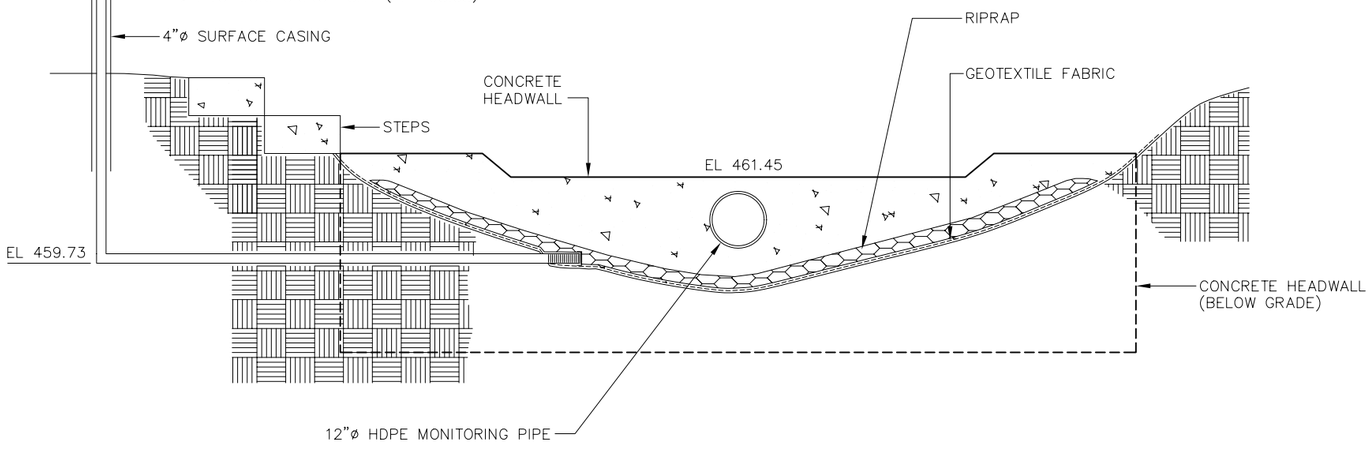
PROJECT NO.: DANA 01-04

DATE: MARCH 2005

FIGURE NO.: **5-2**



PLAN



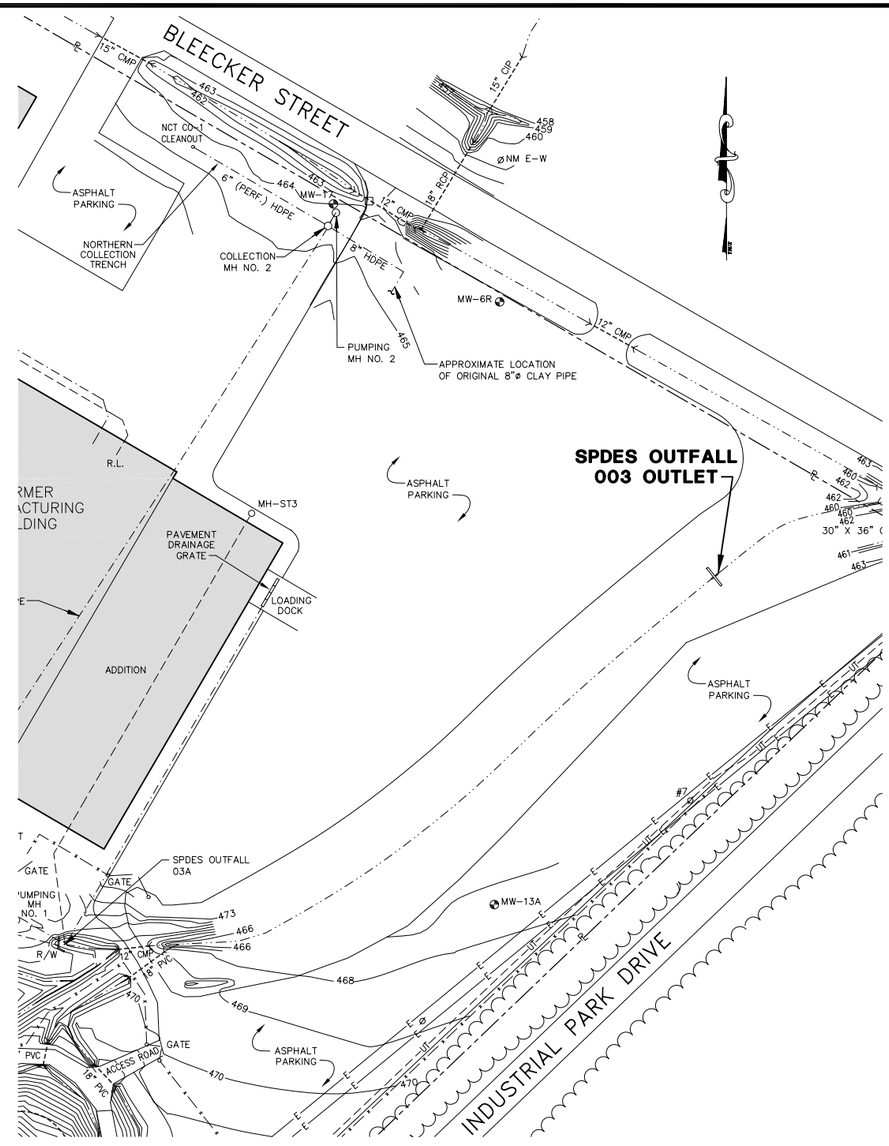
SECTION A-A'

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
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB08.DWG

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OPERATION, MAINTENANCE, AND
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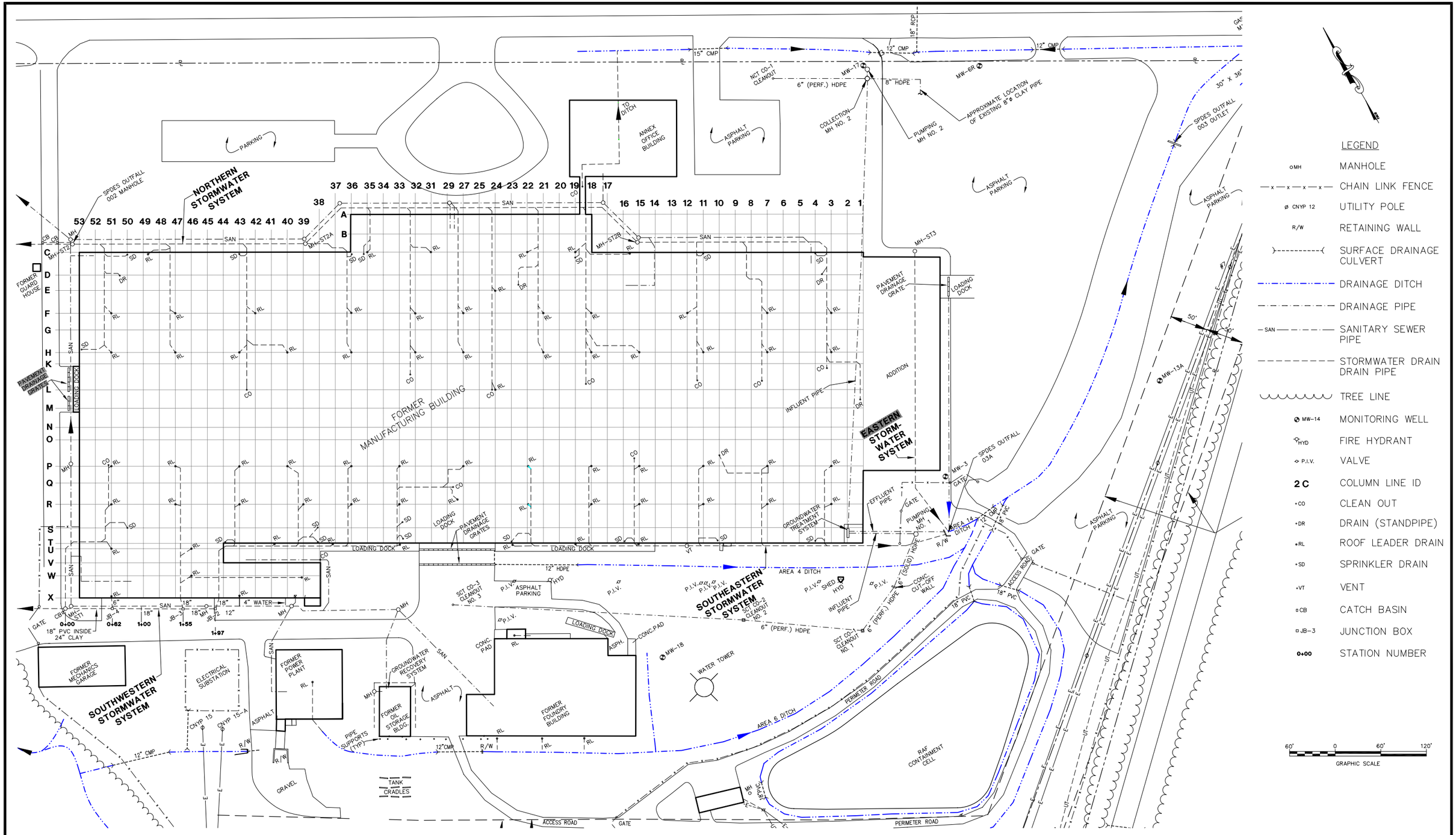
2200 BLEECKER STREET
UTICA, NEW YORK

SPDES OUTFALL 003 PLAN AND SECTION

PROJECT NO.: DANA 01-04
DATE: MARCH 2005
FIGURE NO.: **5-3**



X: CP-BASE
D2BBW
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB15.DWG

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2004 ANNUAL
OPERATION, MAINTENANCE, AND
MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

STORMWATER SYSTEM PARTIAL PLAN

PROJECT NO.: DANA 01-04
DATE: MARCH 2005
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 still 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, conducts the OM&M of the GTS.

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 OBG. This initiates review and maintenance of 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

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 2004. A summary of alarm conditions and maintenance for 2004 is presented in the following table:

DATE	INCIDENT/RESOLUTION
1/1/04	MH-2 in high alarm. The flow meter paddle wheel was cleaned and replaced. This did not stop alarm. The alarm remained on until the blockage in MH-2 piping was vacuumed out on 3/31/04. Once the water level lowered and the alarm was reset.
2/9/04	Air stripper shut down for cleaning. Restarted system on 2/12/04. MH-2 was still in high alarm.
3/31/04	Manholes and piping were cleaned of sediment. MH-2 alarm was reset on 4/1/04
4/8/04	Air stripper alarm sounded. Everything appeared to be operating properly, but no influent flow at time of visit. Reset alarms and restarted air stripper.
5/8/04	Reset tripped control for pumps in MH-2. No apparent cause for alarm.
5/13/04	MH-1 in alarm. Reset alarm. No apparent cause for alarm.
5/18/04	Air stripper alarm sounded and system shut down due to power outage. Reset alarms and restarted air stripper.
5/25/04	Air stripper alarm sounded and system shut down due to power outage. Manholes in high alarm due to high water levels. Possibly caused by heavy rains. Reset alarms and restarted air stripper.
6/1/04	MH-2 in high alarm. Reset alarm. No apparent cause for alarms.
6/10/04	Air stripper shut down apparently due to heavy rains and power outage. Reset alarms and restarted air stripper.
6/23/04	Air stripper shut down for cleaning. Restarted system on 6/25/04. Manhole alarms reset on 6/25/04.
6/30/04	MH-2 in high alarm. Reset alarm. No apparent cause for alarm.
9/15/04	Air stripper alarm sounded and system shut down due to power outages. Reset alarms and restarted air stripper.
10/19/04	Air stripper shut down for cleaning. Restarted system on 10/22/04.
10/25/04	Air stripper in low alarm. Replaced broken tubing on a sensor. Reset alarms and restarted air stripper.
12/22/04	Air stripper shut down to inspect trays. Restarted stripper and pumps. Cleaning will be required in the near future.

The total volume of water pumped to the air stripper is measured by in-line flow meters that provide instantaneous and totalizing 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. During 2004, a total of approximately 3,685,090 gallons of water was pumped, treated, and released to Outfall 03A. Table 6-1 – 2004 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 2004. For MH-1, the weekly recorded low, average, and high flow rates are 487, 3,937 and 15,445 gallons per day

(gpd), respectively. For MH-2, the weekly recorded low, average and high flow rates are 0, 6,215, and 11,639 gpd per monitoring period, respectively. The GTS pumped an average of 10,152 gpd during 2004.

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. Table 6-2 – 2004 Influent and Effluent Analytical Summary provides the analytical data for MH-1 and MH-2 influent generally on a monthly basis, and the air stripper effluent on a weekly basis. Table 6-3 – 2004 Air Stripper Flow Summary provides weekly and average monthly flows measured during sampling events.

Information presented in Tables 6-2 and 6-3 were used to evaluate mass removal. Table 6-4 – 2004 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 2004. As shown, the total average annual removal efficiency was 99.9%, resulting in 11.7 pounds of VOCs removed in 2004. Due to a sediment buildup in the pipes and manhole at MH-2 flow data measurements were not accurate for the months of January, February, and March 2004. Therefore, the data for these months was not incorporated into the removal efficiency evaluation. As shown in Table 6-1, following the cleaning of the manhole and associated piping, the performance of MH-2 greatly increased.

6.3 Maintenance

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

- MH-1 and MH-2 were pressure washed and sediment removed. Additionally, MH-1 influent piping was pressure washed and vacuumed to remove a blockage and restored to operation on 3/31/04;
- The GTS was shut down and the air stripper internally inspected and cleaned on February 9, June 23, and October 19, 2004;
- The GTS shut down due to apparent power outages on May 18, May 25, June 10, and September 15, 2004. The system alarms were reset and the air stripper restarted; and
- The GTS was shut down and the trays inspected on December 22, 2004. The system was restarted, but it was noted that a cleaning would be necessary sometime in the near future.

6.4 SPDES Outfall 03A

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 2004 are provided in Table 6-5, Cumulative Summary of SPDES Outfall 03A Analytical Results. The analytical results are submitted by OBG to the NYSDEC in the form of monthly DMRs. Excursions of SPDES Permit effluent limits were recognized in January 2004, as noted on the DMRs. However, with the cleaning and adjustments that were performed on the system throughout the year, no further excursions were recorded in 2004. Additionally, the aforementioned DMRs are not included in this report, per the request of the NYSDEC.

6.5 Summary

The GTS has been in operation for approximately 9 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 totalizer, as recorded on inspection reports, indicates that approximately 3,685,090 gallons (10,152 gpd) of groundwater were processed during 2004, removing 11.7 pounds of VOCs. It should be noted that excursions reported in January 2004, ceased after an air stripper cleaning program. The reduced flow rates reported in January 2004 lead to an investigation and corrective action to remove a blockage in the influent pipe to MH-2 and cleaning of MH-1 and MH-2. As per the October 15, 2004 CPT letter submitted to NYSDEC, it is recommended that the GTS continue to operate and be maintained on a routine basis, including a scheduled cleaning program.

6.6 Tables

6-1 2004 Manhole Flow Summary

6-2 2004 Influent and Effluent Analytical Summary

6-3 2004 Air Stripper Flow Summary

6-4 2004 Air Stripper Mass Removal Summary

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

TABLE 6-1
2004 MANHOLE FLOW SUMMARY

2004 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Monitoring Date	Flow Totalizer Reading (gal)		Flow per Monitoring Period (gpd)		
	MH-1	MH-2	MH-1	MH-2	Total
1/1/2004	28438270	9162030			
1/8/2004	28476830	9162050	5509	3	5512
1/16/2004	28500520	9162080	2961	4	2965
1/23/2004	28517730	9162090	2459	1	2460
1/29/2004	28528580	9162100	1808	2	1810
Average Monthly Flow			**3225**	**3**	**3228**
2/5/2004	28540930	9162100	1764	0	1764
2/12/2004	28550720	9162110	1399	1	1400
2/20/2004	28574140	9162130	2928	3	2931
2/27/2004	28589840	9162140	2243	1	2244
Average Monthly Flow			**2112**	**1**	**2113**
3/4/2004	28618730	9162160	4815	3	4818
3/12/2004	28674520	9162190	6974	4	6978
3/18/2004	28698870	9162200	4058	2	4060
3/26/2004	28734150	9162220	4410	3	4413
Average Monthly Flow			**5154**	**3**	**5157**
4/1/2004	28776630	9180850	7080	3105	10185
4/6/2004	28837990	9232910	12272	10412	22684
4/8/2004	28868880	9255140	15445	11115	26560
4/23/2004	29054720	9411280	12389	10409	22798
4/30/2004	29095950	9492750	5890	11639	17529
Average Monthly Flow			**10337**	**9444**	**19781**
5/8/2004	29126970	9573510	3878	10095	13973
5/13/2004	29150190	9624400	4644	10178	14822
5/14/2004	29154440	9635130	4250	10730	14980
5/18/2004	29165770	9663830	2833	7175	10008
5/25/2004	29193180	9720080	3916	8036	11952
Average Monthly Flow			**3889**	**9093**	**12982**
6/1/2004	29199940	9799200	966	11303	12269
6/8/2004	29203350	9856570	487	8196	8683
6/10/2004	29207170	9865840	1910	4635	6545
6/16/2004	29226010	9913440	3140	7933	11073
6/25/2004	29244940	9962720	2103	5476	7579
6/30/2004	29248250	10004280	662	8312	8974
Average Monthly Flow			**1530**	**7894**	**9424**
7/9/2004	29269090	10068000	2316	7080	9396
7/16/2004	29288700	10125040	2801	8149	10950
7/23/2004	29315890	10187810	3884	8967	12851
7/30/2004	29349840	10254160	4850	9479	14329
Average Monthly Flow			**3386**	**8329**	**11715**

TABLE 6-1
2004 MANHOLE FLOW SUMMARY

2004 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Monitoring Date	Flow Totalizer Reading (gal)		Flow per Monitoring Period (gpd)		
	MH-1	MH-2	MH-1	MH-2	Total
8/13/2004	29398040	10366760	3443	8043	11486
8/20/2004	29422090	10428470	3436	8816	12252
8/23/2004	29438070	10460980	5327	10837	16164
8/31/2004	29469960	10533440	3986	9058	13044
Average Monthly Flow			**3754**	**8728**	**12482**
9/10/2004	29501710	10608810	3175	7537	10712
9/15/2004	29515790	10646070	2816	7452	10268
9/21/2004	29533810	10691850	3003	7630	10633
9/28/2004	29551470	10740500	2523	6950	9473
Average Monthly Flow			**2911**	**7395**	**10306**
10/8/2004	29572730	10803330	2126	6283	8409
10/12/2004	29579830	10826210	1775	5720	7495
10/19/2004	29592830	10867180	1857	5853	7710
10/22/2004	29599230	10868310	2133	377	2510
10/25/2004	29601530	10871740	767	1143	1910
Average Monthly Flow			**1854**	**4861**	**6715**
11/1/2004	29622740	10929040	3030	8186	11216
11/5/2004	29633740	10958190	2750	7288	10038
11/12/2004	29655570	11010900	3119	7530	10649
11/19/2004	29661020	11063050	779	7450	8229
11/23/2004	29681100	11079570	5020	4130	9150
Average Monthly Flow			**2744**	**7167**	**9911**
12/3/2004	29740370	11186750	5927	10718	16645
12/10/2004	29777900	11257210	5361	10066	15427
12/17/2004	29826590	11336420	6956	11316	18272
12/22/2004	29843780	11371350	3438	6986	10424
12/29/2004	29867240	11418150	3351	6686	10037
Average Monthly Flow			**5171**	**9405**	**14576**

Total Flow	gal	gpd
MH-1	**1,428,970**	**3937**
MH-2	**2,256,120**	**6215**
Total	**3,685,090**	**10152**

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

TABLE 6-2
2004 INFLUENT AND EFFLUENT ANALYTICAL SUMMARY

2004 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		
1/9/2004											<5	**56**	<5	**89**	145	
1/16/2004	<2	4	<2	17	21	<200	1700	<200	4600	6300	<5	**84**	<5	**120**	204	
1/23/2004											<5	**39**	<5	**66**	105	
1/30/2004											<1	**14**	<1	**19**	33	**121.8**
2/6/2004	<50	330	<50	1000	1330	<100	330	<100	1100	1430	<1	9	<1	**17**	26	
2/13/2004											<1	<1	<1	1	1	
2/20/2004											<1	<1	<1	1	1	
2/27/2004											<1	<1	<1	<1	0	7.0
3/5/2004	2	<2	<2	<2	2	<100	610	<100	2500	3110	<1	<1	<1	2	2	
3/12/2004											<1	<1	<1	1	1	
3/19/2004											<1	<1	<1	<1	0	
3/26/2004											<1	<1	<1	1	1	1.0
4/2/2004	<20	200	<20	440	640	<10	110	<10	170	280	<1	<1	<1	<1	0	
4/8/2004	<20	160	<20	260	420	<20	160	<20	280	440	<1	<1	<1	1	1	
4/16/2004	<20	150	<20	280	430	<20	130	<20	250	380	<1	<1	<1	<1	0	
4/23/2004	3.2	1.3	<1	3.4	7.9	<1	2.9	<1	5.8	8.7	<1	<1	<1	<1	0	
4/30/2004	3.2	1.1	<1	2.6	6.9	<50	360	<50	980	1340	<1	<1	<1	<1	0	0.2
5/7/2004	2.3	12	<2	39	53.3	<50	130	<50	340	470	<1	<1	<1	<1	0	
5/14/2004											<1	<1	<1	<1	0	
5/21/2004											<1	<1	<1	<1	0	
5/28/2004											<1	<1	<1	<1	0	0.0
6/4/2004	<5	23	<5	73	96	<50	150	<50	410	560	<1	<1	<1	<1	0	
6/11/2004											<1	<1	<1	<1	0	
6/18/2004											<1	<1	<1	<1	0	
6/25/2004											<1	<1	<1	<1	0	0.0
7/2/2004	<10	35	<10	150	185	<50	160	<50	690	850	<1	2.2	<1	7.2	9.4	
7/9/2004											<1	<1	<1	<1	0	
7/16/2004											<1	<1	<1	<1	0	
7/23/2004											<1	<1	<1	<1	0	
7/30/2004											<1	<1	<1	<1	0	1.9
8/6/2004	3.3	13	<2	34	50.3	<50	110	<50	470	580	<1	<1	<1	<1	0	
8/13/2004											<1	<1	<1	<1	0	
8/20/2004											<1	<1	<1	<1	0	
8/27/2004											<1	<1	<1	<1	0	0.0
9/3/2004	9.1	2.4	<1	7.5	19	<50	240	<50	910	1150	<1	<1	<1	<1	0	
9/10/2004											<1	<1	<1	<1	0	
9/17/2004											<1	<1	<1	<1	0	
9/24/2004											<1	<1	<1	<1	0	0.0
10/1/2004	7.4	<1	<1	<1	7.4	<5	36	<5	73	109	<1	<1	<1	<1	0	
10/8/2004											<1	<1	<1	<1	0	
10/15/2004											<1	<1	<1	<1	0	
10/22/2004											<1	<1	<1	<1	0	

TABLE 6-2
2004 INFLUENT AND EFFLUENT ANALYTICAL SUMMARY

2004 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
10/29/2004											<1	<1	<1	<1	0	0.0
11/5/2004	10	<1	<1	<1	10	<5	83	<50	140	223	<1	<1	<1	<1	0	
11/12/2004											<1	<1	<1	1.2	1.2	
11/19/2004											<1	<1	<1	<1	0	
11/24/2004											<1	<1	<1	1.4	1.4	0.7
12/3/2004	7.5	<1	<1	<1	7.5	<50	350	<50	470	820	<1	<1	<1	2.2	2.2	
12/10/2004											<1	<1	<1	1.8	1.8	
12/17/2004											<1	<1	<1	1	1	
12/23/2004											<1	<1	<1	3.9	3.9	2.2

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
2004 AIR STRIPPER FLOW SUMMARY

2004 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	Average Flow During Monitoring Period (gpd)	
1/9/2004	4012	
1/16/2004	2930	
1/23/2004	2460	
1/30/2004	1773	
	Average Monthly Flow (gpd):	**2794**
2/6/2004	1761	
2/13/2004	2514	
2/20/2004	2038	
2/27/2004	2244	
	Average Monthly Flow (gpd):	**2139**
3/5/2004	5382	
3/12/2004	6797	
3/19/2004	3859	
3/26/2004	33050	
	Average Monthly Flow (gpd):	**12272**
4/2/2004	12260	
4/8/2004	5450	
4/16/2004	28328	
4/23/2004	19227	
4/30/2004	3166	
	Average Monthly Flow (gpd):	**13686**
5/7/2004	13920	
5/14/2004	1502	
5/21/2004	11334	
5/28/2004	19895	
	Average Monthly Flow (gpd):	**11663**
6/4/2004	8957	
6/11/2004	7831	
6/18/2004	11211	
6/25/2004	7803	
	Average Monthly Flow (gpd):	**8951**

TABLE 6-3
2004 AIR STRIPPER FLOW SUMMARY

2004 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	Average Flow During Monitoring Period (gpd)	
7/2/2004	5830	
7/9/2004	29578	
7/16/2004	12695	
7/23/2004	12877	
7/30/2004	13050	
	Average Monthly Flow (gpd):	**14806**
8/6/2004	12664	
8/13/2004	10340	
8/20/2004	12288	
8/27/2004	14011	
	Average Monthly Flow (gpd):	**12326**
9/3/2004	12702	
9/10/2004	10428	
9/17/2004	9747	
9/24/2004	10880	
	Average Monthly Flow (gpd):	**10939**
10/1/2004	11220	
10/8/2004	8264	
10/15/2004	13872	
10/22/2004	12625	
10/29/2004	14145	
	Average Monthly Flow (gpd):	**12025**
11/5/2004	13675	
11/12/2004	12620	
11/19/2004	12605	
11/24/2004	13504	
	Average Monthly Flow (gpd):	**13101**
12/3/2004	12419	
12/10/2004	12716	
12/17/2004	3698	
12/23/2004	8767	
	Average Monthly Flow (gpd):	**9400**

Note:
1. gpd = gallons per day.

TABLE 6-3
2004 AIR STRIPPER FLOW SUMMARY

2004 ANNUAL OM REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

2. Average flow data is from laboratory analytical data sheets recorded during sampling.

TABLE 6-4
2004 AIR STRIPPER MASS REMOVAL SUMMARY

2004 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 (ug/l)	VOC's Removed (ug/l)	% VOC's Removed	Air Stripper Effluent Average Monthly Flow (gpd)	VOC's Removed (lbs)
Jan	*	*			*	
Feb	*	*			*	
Mar	*	*			*	
Apr	391	0	391	99.9	13686	1.3
May	345	0	345	100.0	11663	1.0
Jun	485	0	485	100.0	8951	1.1
Jul	658	2	656	99.7	14806	2.5
Aug	421	0	421	100.0	12326	1.3
Sep	831	0	831	100.0	10939	2.3
Oct	81	0	81	100.0	12025	0.3
Nov	164	1	163	99.6	13101	0.5
Dec	532	2	530	99.6	9400	1.3
			Annual Average:	**99.9**	Annual Total:	**11.7**

Notes:
1. VOCs = Volatile Organic Compounds
2. ug/l = micrograms per liter, approximately equivalent to parts per billion (ppb)
3. gpd = gallons per day
4. lbs = pounds
* Due to problems with MH-2 during January, February, and March, mass removal values could not be calculated.

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

2003 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

2003 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

2003 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

2003 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

2003 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

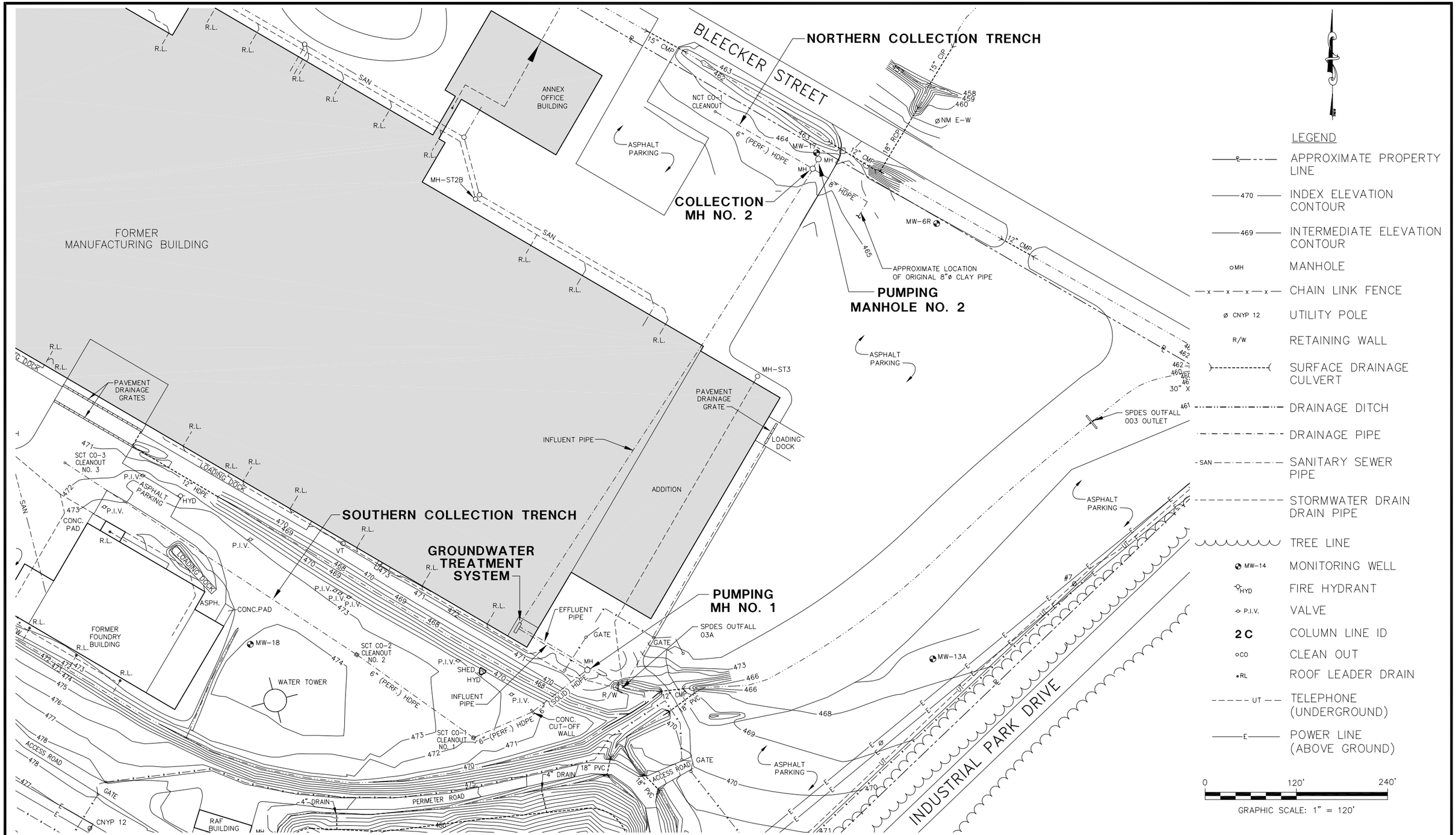
Note:
1. cis-1,2-DCE = cis-1,2-Dichloroethene in micrograms per liter (ug/l).
2. trans-1,2-DCE = trans-1,2-Dichloroethene in micrograms per liter (ug/l).
3. TCE = Trichloroethylene in micrograms per liter (ug/l).
4. VC = Vinyl Chloride in micrograms per liter (ug/l).
5. Flow = Average gallon per day.
6. Bolded values exceed permit effluent compliance levels.

6.7 Figures

6-1 Groundwater Treatment System Plan

6-2 Air Stripper Plan

6-3 Pumping Manhole Plans and Sections



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
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB12.DWG

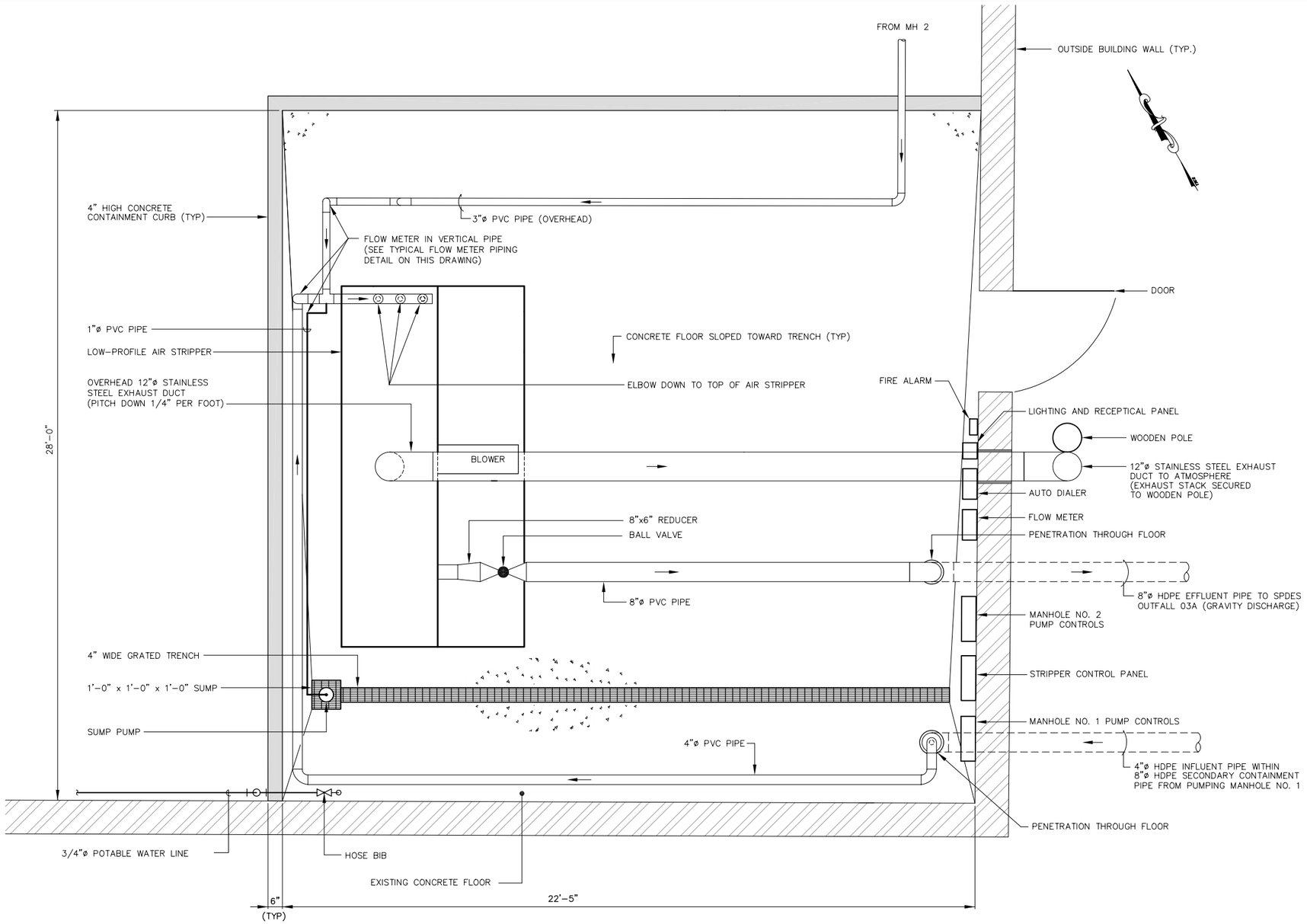
synapse
SYNAPSE RISK MANAGEMENT, LLC
400 UNIVERSITY BUILDING
120 EAST WASHINGTON STREET
SYRACUSE, NEW YORK 13202

2004 ANNUAL OPERATION, MAINTENANCE, AND MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

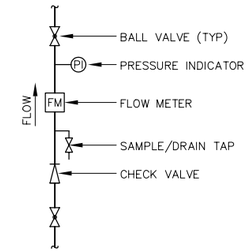
GROUNDWATER TREATMENT SYSTEM PLAN

PROJECT NO.: DANA 01-04
DATE: MARCH 2005
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
3/1/05
SYNAPSE/WIP/DANA 01-04/2004OP&M/DANAB14.DWG

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

2004 ANNUAL
OPERATION, MAINTENANCE, AND MONITORING REPORT

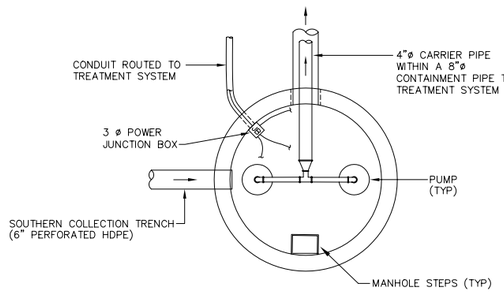
2200 BLEECKER STREET
UTICA, NEW YORK

AIR STRIPPER PLAN

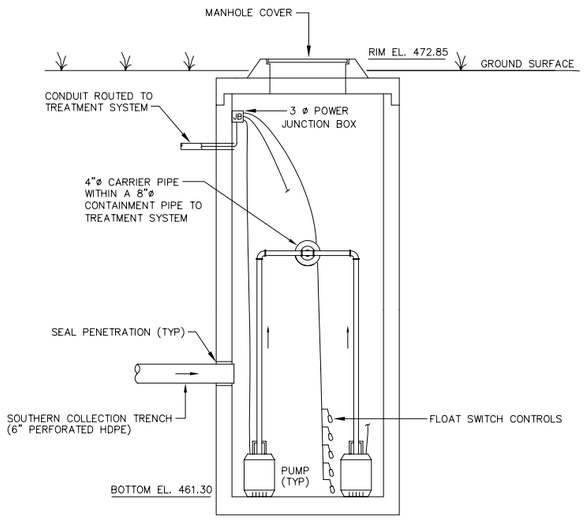
PROJECT NO.: DANA 01-04

DATE: MARCH 2005

FIGURE NO.: 6-2



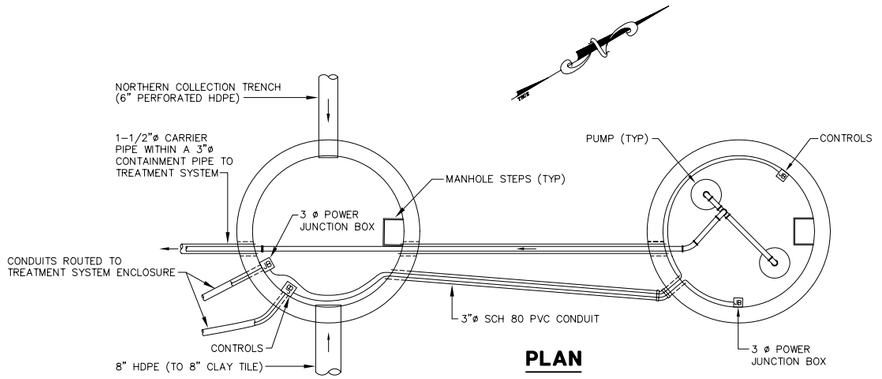
PLAN



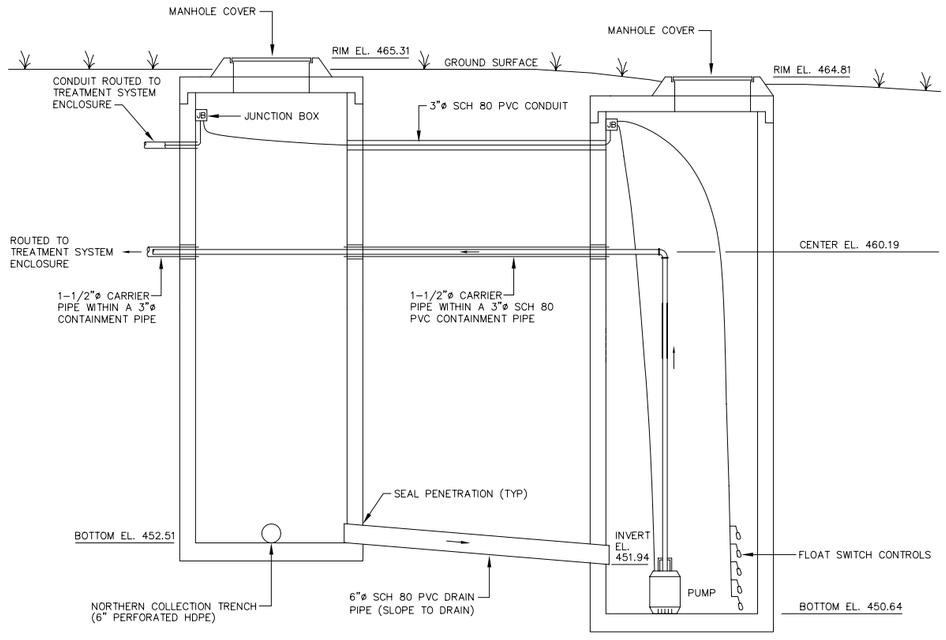
GENERAL SECTION

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
3/1/05
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

2004 ANNUAL
OPERATION, MAINTENANCE, AND MONITORING REPORT

2200 BLEECKER STREET
UTICA, NEW YORK

PUMPING MANHOLE PLANS AND SECTIONS

PROJECT NO.: DANA 01-04
DATE: MARCH 2005
FIGURE NO.: 6-3

APPENDIX A
SITE INSPECTION REPORTS – FORM A & FORM A1

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

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

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

APPENDIX C
LEACHATE DISPOSAL CORRESPONDENCE AND ANALYTICAL DATA

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

APPENDIX D
WATER LEVEL FIELD LOGS - FORM D

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

APPENDIX E
GROUNDWATER SAMPLING LOGS – FORM E

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

APPENDIX F
GROUNDWATER ANALYTICAL DATA

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

APPENDIX G
GROUNDWATER TREATMENT SYSTEM INSPECTION LOGS

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

APPENDIX A
SITE INSPECTION REPORTS – FORM A & FORM A1

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

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

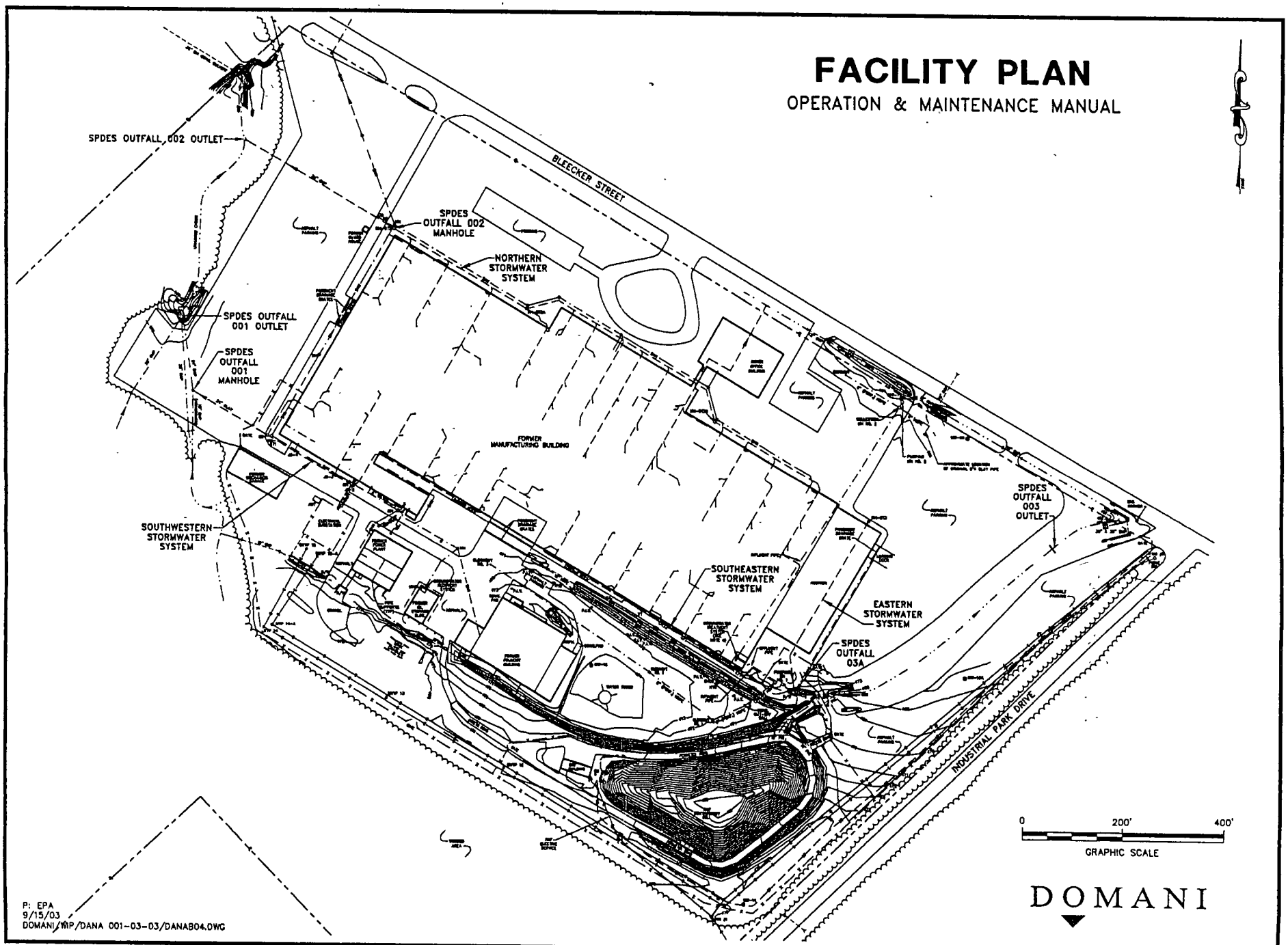
REMEDIAL ACTION FACILITY
2200 BLEECKER STREET
UTICA, NEW YORK
NYSDEC SITE NO. 622003

DOMANI Representative: S. Matthews Date: 1-13-04

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓) Surface Frozen at 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 ____ SNOW COVERED	✓
B	Gas Vents (2)	OK	✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)	SNOW Covered	✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓ OK	✓
B	Pumps and Plumbing	Pump 1 Hours 122.9 Pump 2 Hours 212.6	✓
B'	Pump Changeover	(Y or N) Lead Pump ✓ Lag Pump ✓ OK	
B"	Test Automatic Pump Controls	LSHH ✓, LSH ✓, LSL ✓, LSLL ✓ OK	
C	Electrical Components	Test Pumps (Y or N), Light Bulbs OK	✓
D	Manhole Interstitial Space	OK	✓
E	Conveyance Pipe	OK	✓
F	Influent Pipe	OK	✓
G	Confined Space Entry	(Y or N) (see Form B)	

FACILITY PLAN

OPERATION & MAINTENANCE MANUAL



DOMANI

P: EPA
9/15/03
DOMANI/WP/DANA 001-03-03/DANAB04.DWG

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: 1-13-04

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

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: S. Matthews Date: 1.13.04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2849269 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 0916207 0 gal. Rate: 0 gpm	
C	Sump - Flow Totalizer	Reading = 0017840 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 20350.5 Hours.	

Additional Comments:

High alarm @ Manhole #2
Blower @ 5" H_2O
Intake was been disconnected from outside vent.

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

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: S. Matthews Date: 1.13.04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2849269 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 0916207 0 gal. Rate: 0 gpm	
C	Sump - Flow Totalizer	Reading = 0017840 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 20350.5 Hours.	

Additional Comments:

High alarm @ Manhole #2
Blower @ 5" H_2O
Intake has been disconnected from outside vent.

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

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

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

Need more Form A-1 for Shed

DOMANI Representative: RSN Date: 1/30/04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2853013 0 gal. Rate:_____gpm	
B	MH-2 - Flow Totalizer	Reading = 916210 0 gal. Rate:_____gpm	
C	Sump - Flow Totalizer	Reading = 17840 0 gal. Rate:_____gpm	
D	Blower Hours	Reading = 20350 Hours.	

Additional Comments:

High level ALARM in MH-2

Air Pressure - 5" H_2O

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

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: S. Matthews Date: 2.12.04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2855038 0 gal. Rate: 0 gpm	√
B	MH-2 - Flow Totalizer	Reading = 0916210 0 gal. Rate: 0 gpm	√
C	Sump - Flow Totalizer	Reading = 001856 0 gal. Rate: 0 gpm	√
D	Blower Hours	Reading = 20350.5 Hours.	√

Additional Comments:

High Water or Low Air Pressure alarm lit.
Air stripper not running

Contacts:

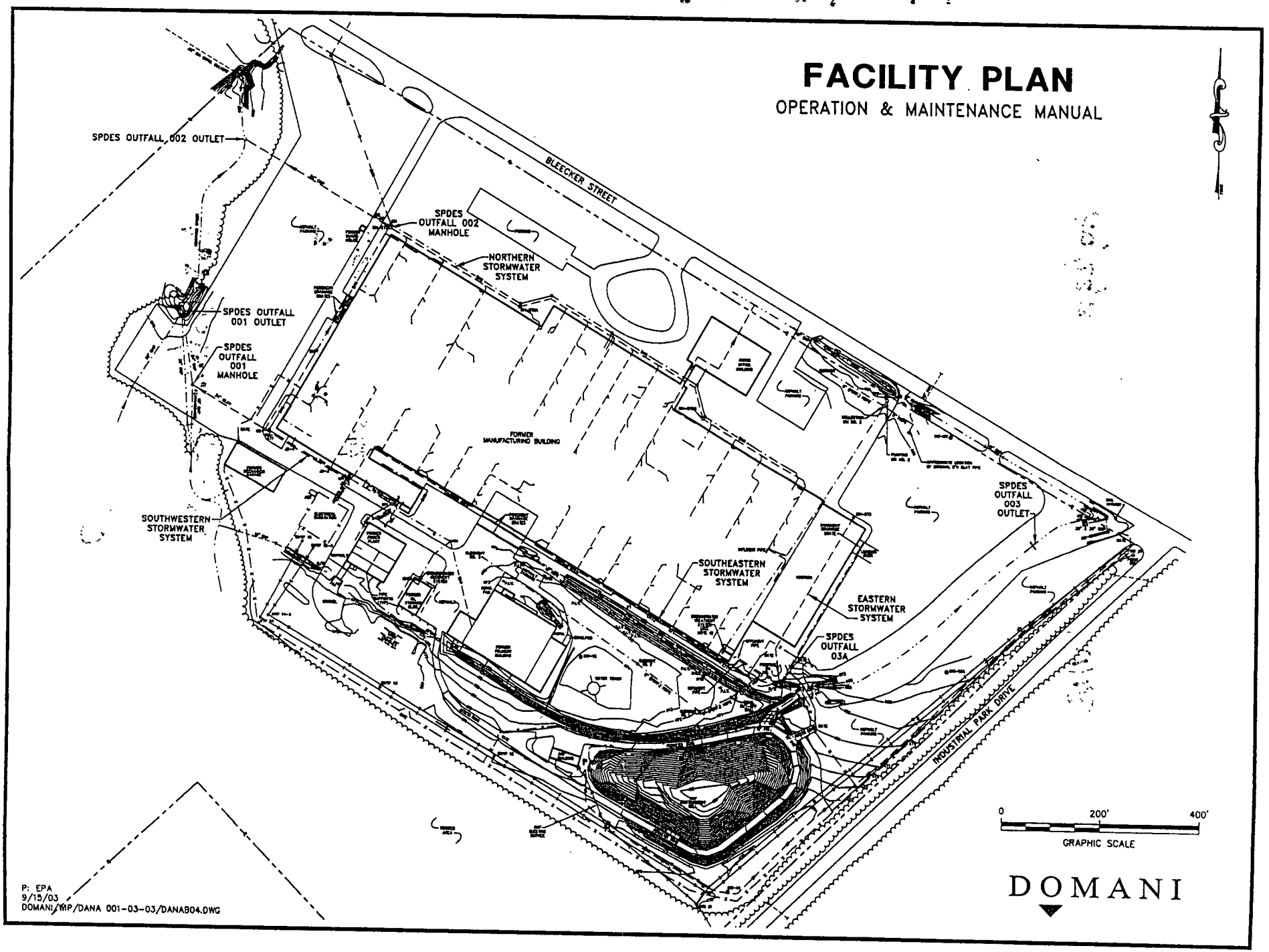
DOMANI Syracuse Office	475.3700	NYSDEC, DOW, Chad Kehoe	793.2554
RAF	733.6230	Evergreen, Tom Gehig (cell)	725.3200
Coolidge Equities, Jessie Bailey	866.7403	Dodge Graphics, Don Zimbler	735.9226
Coolidge Maintenance, Charles Dovi	534.3490 (cell)	Utica Converters, Al Born	733.8974
NYSDEC, DER, Phil Waite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

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

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

DOMANI Representative: BHM Date: 2/27/04

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 22.8 Pump 2 Hours 213.7	✓
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	Leachate 54100 gal	✓
E	Conveyance Pipe		✓
F	Influent Pipe		✓
G	Confined Space Entry	(Y or (N)) (see Form B)	✓


FACILITY PLAN
OPERATION & MAINTENANCE MANUAL
SPDES OUTFALL 002 OUTLET
BLEECKER STREET
SPDES OUTFALL 002 MANHOLE
NORTHERN STORMWATER SYSTEM
SPDES OUTFALL 001 OUTLET
SPDES OUTFALL 001 MANHOLE
FORMER MANUFACTURING BUILDING
SOUTHWESTERN STORMWATER SYSTEM
SPDES OUTFALL 003 OUTLET
SOUTHEASTERN STORMWATER SYSTEM
EASTERN STORMWATER SYSTEM
SPDES OUTFALL 03A
INDUSTRIAL PARK DRIVE
0
200'
400'
GRAPHIC SCALE
DOMANI
P: EPA
9/15/03
DOMANI/WP/DANA 001-03-03/DANAB04.DWG

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

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

DOMANI Representative: BHM Date: 2/27/04

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 = 541,100 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:

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: BHM Date: 2/27/04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = [redacted] / 2858984 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 916214 0 gal. Rate: 6 gpm	
C	Sump - Flow Totalizer	Reading = 17856 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 20580.5 Hours.	

Additional Comments: MH#2 Alarm

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

11/05/03
LAST SPDES LOG

DMR - Need 11/03 - 12/03
1/04 - 2/04
W/ANALYTICALS
TOXICITY - 4th Quar

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

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

DOMANI Representative: RSN/SM Date: 3/10/04

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	OK	✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓) OK	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads	OK	✓
B	Ditches	OK	✓
C	Culverts	OK	✓
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 ✓ OK	✓
B	Pumps and Plumbing	Pump 1 Hours 122.9 ✓ Pump 2 Hours 213.7 ✓	✓
B'	Pump Changeover	(Y or N) Lead Pump Y Lag Pump Y OK	✓
B"	Test Automatic Pump Controls	LSHH_____, LSH ____, LSL ____, LSLL _____	
C	Electrical Components	Test Pumps (Y or N), Light Bulbs ✓ OK	✓
D	Manhole Interstitial Space	OK	✓
E	Conveyance Pipe	OK	✓
F	Influent Pipe	OK	✓
G	Confined Space Entry	(Y or N) (see Form B)	

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

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

DOMANI Representative: RSN / SM Date: 3/10/04

Category	Inspected	Observation/Condition	✓
5 Building			
A	Structure	Lock ✓, Vent ✓, Heater ✓ OK	✓
B	Electrical and Telephone	Elec ✓ Phone ✓ OK	✓
C	Auto Dialer and Controls	Test Functions (Y or (N)) (see Form F) No Test	
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) OK	✓
A'	Flow Totalizer	Reading = 541 00 gal.	✓
B	Secondary Containment	Liquid (Y or (N)) No Liquid	✓
C	Piping Components	OK	✓
D	Electrical Components	Lock ✓ Light Bulbs ✓ OK	✓
E	Leachate Sampling	(Y or (N)) (see Form C) No Sampling	✓

Additional Comments:

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: RSN/SM Date: 3/10/04

Category	Inspected	Observation/Condition	✓
1 Inspection Overview			
A	Reason for Inspection	RAF ✓ GW____ SPDES ✓ OK	✓
B	Regulatory Inspection	DER____ DOW____	
C	Photos Taken	35mm____ Digital____ NONE	
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 = 2866532 0 gal. Rate: 0.0 gpm	
B	MH-2 - Flow Totalizer	Reading = 916219 0 gal. Rate: 0.0 gpm	
C	Sump - Flow Totalizer	Reading = 17856 0 gal. Rate: 0.0 gpm	
D	Blower Hours	Reading = _____ Hours.	

Additional Comments: MH-2 Alarm Light ON

MAGNEHELIC = 15" of WC

MH-2 - 3" → 1 1/2" → 3" MH-1 - 4" → 2" → 4"

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)**		

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: RSN / BHM Date: 3/19/04

Category	Inspected	Observation/Condition	✓
1 Inspection Overview			
A	Reason for Inspection	RAF_____ GW_____ SPDES ✓	✓
B	Regulatory Inspection	DER_____ DOW ✓	✓
C	Photos Taken	35mm_____ Digital_____ NONE	
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 = 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: SPDES ANNUAL INSPECTION W/ Chad Kehoe NYSDEC - DOW. Reviewed SPDES Files & DATA. INSPECTED OutFalls 001, 002 & 003. Files and Outfalls were OK. NO UPGRADES OR further ACTIONS are needed/required

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)**		

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: S. Matthews Date: 3-24-04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2872617 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 0916222 0 gal. Rate: 0 gpm	
C	Sump - Flow Totalizer	Reading = 0017056 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 20350.5 Hours.	

Additional Comments:

MH2 - Code Red

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)		

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

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

DOMANI Representative: P. FISHER + R NIGUMAN Date: 4-7-04

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access	TRACE SNOW	✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓) SAMPLED	✓
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 (1) Vegetation ✓ SKUNK DIGGINGS NEW GROWTH	✓
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 122.9 Pump 2 Hours 214.0	✓
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 OK	✓
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

DOMANI Representative:_____ Date: 4-7-04

Category	Inspected	Observation/Condition	√
5 Building			
A	Structure	Lock ✓, Vent OFF, Heater ON	✓
B	Electrical and Telephone	Elec ✓ Phone ✓	✓
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form F)	✓
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N)	✓
A'	Flow Totalizer	Reading = 546 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:

- SPDES SAMPLE TODAY

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: P. Fisher & R. Niggoman Date: 4-7-04

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 ✓ DRY, 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 88 Total: 11.55	
B	MH-2C (Collection)	DTW 147 Total: 12.80	
C	MH-2P (Pumping)	DTW 141" Total: 14.17 137"	
4 Air Stripper		START 13:30 END 15:35	
A	MH-1 - Flow Totalizer	Reading = 2885301 0 gal. ~~Rate:~~ 2885730 gpm	
B	MH-2 - Flow Totalizer	Reading = 0924492 0 gal. ~~Rate:~~ 0924510 gpm	
C	Sump - Flow Totalizer	Reading = 0017891 X gal. ~~Rate:~~ SAME gpm	
D	Blower Hours	Reading = 20350.5 Hours. 20350.5	

Additional Comments:

MH 1 / PUMP 1 = OK 42 (OPEN) 34 GPM / PUMP 2 = OK 70 (OPEN) 68 GPM / 136 GPM BOTH W/VALVE OPEN
MH-2 / PUMP 1 = OK / PUMP 2 RELAY BAD / 20 & 10 GPM
NOTED CROSS FLOW ON METERS → CHECK VALVES NOT WORKING
METER COUNT GAL BOTH DIRECTION

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)		

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: RSN/SJM Date: 4/22/04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2905104 0 gal. Rate: 55 (#2) gpm	
B	MH-2 - Flow Totalizer	Reading = 9403550 0 gal. Rate: 22 gpm	
C	Sump - Flow Totalizer	Reading = 17891 0 gal. Rate:_____ gpm	
D	Blower Hours	Reading = 20350 Hours.	

Additional Comments: A/S MAgnehelic - 10" H_2O

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)		

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

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

DOMANI Representative: FISHER / MEGOLIAN Date: 5-18-04

Category	Inspected	Observation/Condition	√
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓) SAMPLE	✓
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 34 Vegetation Good	✓
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 123.0 Pump 2 Hours 214.0	✓
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

DOMANI Representative: Fisher/Negolian Date: 5-18-04

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 = 548 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:

BACKFILLED BURROWS

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: RSW / PMF Date: 5/18/04

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_____ Total: 12.80 OPEN	✓
C	MH-2P (Pumping)	DTW_____ Total: 14.17 OPEN	✓
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2916561 0 gal. Rate:_____gpm	✓
B	MH-2 - Flow Totalizer	Reading = 966378 0 gal. Rate:_____gpm	✓
C	Sump - Flow Totalizer	Reading = 18012 0 gal. Rate:_____gpm	✓
D	Blower Hours	Reading = 20350.5 Hours.	

Additional Comments: GRTS DOWN / MARTIN ONSITE - RESTART
MH-1 & MH-2 - ALARM LIT (CLOSED VALVE - SHUT DOWN)
Air stripper Hi water or Low Air pressure Alarm

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)		

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: Fisher / Negolian Date: 5-28-04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2911878 0 gal. Rate: 55 gpm	
B	MH-2 - Flow Totalizer	Reading = 955168 0 gal. Rate:_____ gpm	
C	Sump - Flow Totalizer	Reading = 18012 0 gal. Rate:_____ gpm	
D	Blower Hours	Reading = 20350.5 Hours.	

Additional Comments: Air Stripper Pressure 12" H_2O

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)		

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: PMF/KSN Date: 6/1/04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2919994 0 gal. Rate:_____gpm	✓
B	MH-2 - Flow Totalizer	Reading = 980044 0 gal. Rate:_____gpm	✓
C	Sump - Flow Totalizer	Reading = 18012 0 gal. Rate:_____gpm	✓
D	Blower Hours	Reading = 26350.5 Hours. A/S MAG. = 12" H_2O	

Additional Comments:

- REVIEW NW ROOF LEADERS
- FILLED 2 GROUND HOG HOLES AT RAF CELL

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)		

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

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

DOMANI Representative: RSN Date: 6/18/04

Category	Inspected	Observation/Condition	√
1 General Property			
A	General Property Access	OK	✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓) OK	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads	OK	✓
B	Ditches	OK	✓
C	Culverts	OK	✓
D	Perimeter Fence	Gates ✓ OK	✓
E	Utilities	Elec. ✓ Phone ✓ OK	✓
3 Containment Cell			
A	Surface Cover System	Burrows 2 Vegetation OK ✓ Filled	✓
B	Gas Vents (2)	OK	✓
B'	PID Readings	(Y or N) Background ___ ppm, @ 20' ___ ppm, @ Vent ___ ppm	✓
C	Collection Pipe / Cleanout	OK	✓
D	Perimeter Drains (4)	OK	✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓ OK	✓
B	Pumps and Plumbing	Pump 1 Hours 123.1 Pump 2 Hours 214.0	✓
B'	Pump Changeover	(Y or N) Lead Pump 1 Lag Pump 2 OK	✓
B"	Test Automatic Pump Controls	LSHH ✓, LSH ✓, LSL ✓, LSLL ✓	✓
C	Electrical Components	Test Pumps (Y or N), Light Bulbs ✓ OK	✓
D	Manhole Interstitial Space	OK	✓
E	Conveyance Pipe	OK	✓
F	Influent Pipe	OK	✓
G	Confined Space Entry	(Y or N) (see Form B)	

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

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

DOMANI Representative: RSN Date: 6/18/04

Category		Inspected	Observation/Condition	✓
5	**Building**			
A	Structure		Lock ✓, Vent ✓, Heater ✓ OK	✓
B	Electrical and Telephone		Elec ✓ Phone ✓ OK	✓
C	Auto Dialer and Controls		Test Functions (Y or N) (see Form F)	
6	**Leachate Storage System**			
A	Tank (External)		Internal (Y or N) TANK OK	✓
A'	Flow Totalizer		Reading = 552 00 gal.	✓
B	Secondary Containment		Liquid (Y or (N))	✓
C	Piping Components		OK	✓
D	Electrical Components		Lock___ Light Bulbs___ OK	✓
E	Leachate Sampling		(Y or (N)) (see Form C)	✓

Additional Comments:

BACK -
2 BURROWS FOUND & FILLED

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: RSN Date: 6/18/04

Category	Inspected	Observation/Condition	✓
1 Inspection Overview			
A	Reason for Inspection	RAF ✓ GW ____ SPDES ✓	✓
B	Regulatory Inspection	DER ____ DOW ____	
C	Photos Taken	35mm ____ Digital ____ NONE	
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 = 2923171 0 gal. Rate: ____ gpm	
B	MH-2 - Flow Totalizer	Reading = 992898 0 gal. Rate: ____ gpm	
C	Sump - Flow Totalizer	Reading = 18013 0 gal. Rate: ____ gpm	
D	Blower Hours	Reading = 20350 Hours.	

Additional Comments: A/S = 14" H_2O

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

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

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

SYNAPSE
~~DOMANI~~ Representative: PAUL FISHER Date: 6-25-04

Category	Inspected	Observation/Condition	✓
1 Inspection Overview			
A	Reason for Inspection	RAF X GW____ SPDES____ 1030-1111	✓
B	Regulatory Inspection	DER X DOW____ PHIL WAITE (YEARLY)	✓
C	Photos Taken	35mm ✓ Digital____ PHIL	
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 = 2924732 0 gal. Rate:_____gpm	✓
B	MH-2 - Flow Totalizer	Reading = 8996589 0 gal. Rate:_____gpm	✓
C	Sump - Flow Totalizer	Reading = 148061 gal. Rate:_____gpm	✓
D	Blower Hours	Reading = 2035 Hours. 6-23/24-04 APART + CLEAN	✓

Additional Comments: -4 GH Holes
MET PAUL AT RAF, REVIEWED; BUILDING, CELL (NOTE GROUNDHOG HOLES), AREA 6 DITCH, OUTFALL 03A, AIR STRIPPER (RUNNING - MH 2 HIGH LEVEL), OUTFALL 003, MH-2.

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)		

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: S. Matthews Date: 7.16.04 Friday

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2928918 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 1012657 0 gal. Rate: 22 gpm	
C	Sump - Flow Totalizer	Reading = 0621141 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 203505 Hours.	

Additional Comments:

- Manhole 2 Pumping @ 22 gpm
- Two bypass hose backfilled at eastern (N & S) side of RAF.
- Several Piles (~ 10 cy) of material (soil) appears to have been dumped at western side of site, near outfall 001

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)		

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: PAUL + ROG Date: 7-29-04

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓) SPDES	✓
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 VG - 12"	✓
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 123.4 Pump 2 Hours 214.0	✓
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: PAUL & ROB Date: 7-29-04

Category	Inspected	Observation/Condition	√
5 Building			
A	Structure	Lock ✓, Vent ✓, Heater OFF ✓ OPEN	✓
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 = 5548 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:

AREA-1, HIGH TAIL WATER DUE TO PAST HEAVY RAINS

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: PAUL + ROG Date: 7-29-04

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 ____ Total: 12.80	
C	MH-2P (Pumping)	DTW ____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2934475 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 1024443 0 gal. Rate: 0 gpm	
C	Sump - Flow Totalizer	Reading = 0021178 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 20350.5 Hours.	

Additional Comments: System Running, No Alarms

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)		

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: Scott Matthews Date: 8-13-04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2939893 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 1036822 0 gal. Rate: 20 gpm	
C	Sump - Flow Totalizer	Reading = 21178 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 20350 Hours.	

Additional Comments:

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: PAUL BRIAN Date: 8-26-04

Category	Inspected	Observation/Condition	✓
1 General Property			
A	General Property Access		✓
B	General Property Drainage	SPDES Outfall (001 ✓ 002 ✓ 003 ✓) ROG	✓
2 Cell Perimeter Components			
A	Perimeter and Access Roads		✓
B	Ditches	DRY	✓
C	Culverts		✓
D	Perimeter Fence	Gates ✓	✓
E	Utilities	Elec. ✓ Phone ✓	✓
3 Containment Cell			
A	Surface Cover System	Burrows 1 Vegetation ✓ BACKFILL	✓
B	Gas Vents (2)		✓
B'	PID Readings	(Y or N) Background 0 ppm, @ 20' 0 ppm, @ Vent 0 ppm	✓
C	Collection Pipe / Cleanout		✓
D	Perimeter Drains (4)		✓
4 Leachate Collection Manhole			
A	Structure	External ✓ Internal ✓	✓
B	Pumps and Plumbing	Pump 1 Hours 123.6 Pump 2 Hours 214.0	✓
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: PAUL BRIAN Date: 8-26-04

Category	Inspected	Observation/Condition	✓
5 Building			
A	Structure	Lock ✓, Vent —, Heater OFF OPEN	✓
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 = 562 00 gal. → 56300 AFTER TEST	✓
B	Secondary Containment	Liquid (Y or N)	✓
C	Piping Components		✓
D	Electrical Components	Lock ✓ Light Bulbs____	✓
E	Leachate Sampling	(Y or N) (see Form C)	✓

Additional Comments:

- PUMP OUT LEACHATE 2780 GAL
- PRESSURE WASH TANK & LOADING AREA
- CALL TO TOM RE MOWING
- DRAIN MASTERS PUMP OUT LEACHATE TANK

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: RRC Date: 8/26/04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2945003 0 gal. Rate:_____gpm	✓
B	MH-2 - Flow Totalizer	Reading = 1048836 0 gal. Rate:_____gpm	✓
C	Sump - Flow Totalizer	Reading = 002178 0 gal. Rate:_____gpm	✓
D	Blower Hours	Reading = 20350.5 Hours.	✓

Additional Comments:

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)		

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: S. Matthews Date: 9-10-04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2950187 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 1060927 0 gal. Rate: ~~0~~ 0 gpm	
C	Sump - Flow Totalizer	Reading = 0021178 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 20350.5 Hours.	

Additional Comments:

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)		

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: S. Matthews Date: 9-22-04

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_____ Total: 12.80	
C	MH-2P (Pumping)	DTW_____ Total: 14.17	
4 Air Stripper			
A	MH-1 - Flow Totalizer	Reading = 2953732 0 gal. Rate: 0 gpm	
B	MH-2 - Flow Totalizer	Reading = 1070087 0 gal. Rate: 0 gpm	
C	Sump - Flow Totalizer	Reading = 21178 0 gal. Rate: 0 gpm	
D	Blower Hours	Reading = 203505 Hours.	

Additional Comments:

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: 9-23-04

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 ✓ Needs to be 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 1237 Pump 2 Hours 0214	✓
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: 9-23-04

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 = 565 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:

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: P. Fisher B Merrae Date: 9-30-04

Category	Inspected	Observation/Condition	✓
1 Inspection Overview			
A	Reason for Inspection	RAF____ GW____ SPDES ✓	✓
B	Regulatory Inspection	DER____ DOW ✓	✓
C	Photos Taken	35mm ✓ Digital ✓ CHAD KEHOE 9-30-1015	✓
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 LOCKED			
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: MET W/CHARLES – AC + OBG ON SITE LAST WEEK
– RAF MOWED EARLY THIS WEEK
– MET WITH CHAD WHO NOTED DUMPING ON HIS ARRIVAL, REVIEWED FILES AND CURRENT EVENTS, OPENED AND VIEWED ALL 3 OUTFALLS (OK) LITTLE FLOW

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: BRIAN MACRAE Date: 10/20/04

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 123.8 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)	✓

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: Brian MacRae Date: 10/20/04

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:

Closed vents & turned on heater (set @ 50°F).

- MH1 - 2959280
  MH2 - 1086717
  Sump - 21200 x10

- OBG onsite. Met w Martin. OBG shut down Air Stripper yesterday for cleaning. Martin said totally clogged (⅓±"). Will turn back on tomorrow. Martin also to shut down o/w separator this week.

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: 11-30-04

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 124.0 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: 11-30-04

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 = 571 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: S. Matthews Date: 12-17-04

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 129.1 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: 12-17-04 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 = 573 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:

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

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

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: PAUL, BRIAN, ROG

Received Alarm: Y or (N)

Tested Alarm: (Y) or N

Date Received: NA

Date Tested: 8-26-04

Time Received: NA

Channel No.	Function	Alarm Rec'd	Testing Results
1	Tank Level (@ 80%)		Measured: 4 1 3/4 To Top of Water (26) 54.3 Reading: 53.6
2	Tank High Level (100%)		OK
3	Tank Leak		OK
4	Tank 90% Full		—
5	High Manhole Level		OK
6	Manhole Leak		OK
7	Pipe Leak		OK
8	Tank Low Temperature		OK
9	Inside Temperature		✓
10	Outside Temperature		✓
11-15	Not In Use		—
16	Power Off		OK

Reason for Alarm: NA

Action Taken: ANNUAL TESTING

Comments: AFTER PUMPING: READING 10.9, MEASURED 11"

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: RRC Date: 8/26/04

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 RAF Inspection

HAZARDS CREATED BY WORK TO BE DONE: None.

OBSERVER: Paul Fisher ENTRY LEADER: Roger Creighton

EMPLOYEES ASSIGNED: P. Fisher, B. Macrae, R. Creighton

ENTRY DATE: 8/26/04 ENTRY TIME: 13:35 EXIT TIME: 13:55

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* X *No* ____ *N/A*

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: RK Date: 8/26/04

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 Ladder
   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? _____.

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 20.1 (Not <20% or >22%) Flammability % 0 (LEL <10%) Toxic Gas 0 (< ____ ppm)

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

12. Calibration date of meters used in Items 10 and 11:
    a. 8/26/04 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: Roger Cutler
Corporate Health and Safety

LEACHATE BULK SAMPLING AND TRANSFER (FORM C)
OPERATION, MAINTENANCE, AND MONITORING

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

Synapse Representative: RRC Date: 7/29/04 Batch: _____

TANK VOLUME

Tank Liquid Level from Auto Dialer: _____ inches Leachate Volume: _____ gallons

Flow Totalizer Reading: _____ gallons Previous Batch: _____ gallons Difference: _____ gallons

ANALYTICAL PARAMETER REFERENCE

Sample ID	Parameter	Reference	Sample Container	Sample Volume	Preservation	Holding Time
LT-12	VOCs	USEPA 624	Two 40-mil glass vials with Teflon-lined septum cap	80 mil	HCL, No headspace; cool 4°C	7 Days
LT-12	SVOCs	USEPA 625	1-Liter amber glass	1-Liter	No headspace; cool 4°C	7 Days
LT-12	Selected Metals	USEPA200.7	1-Liter plastic	1-Liter	HNO_3 to pH <3	180 Days
LT-12	PCBs/ Pesticides	USEPA 608	1-Liter amber glass with Teflon cap	1-Liter	Cool 4°C	1 Day
LT-12	Oil & Grease	USEPA 1664	1-Liter amber glass	1-Liter	HCL; cool 4°C	26 Days
	TSS	USEPA 160.2	One 250-mil plastic	250-mil	None	NA

TRANSFER INFORMATION

Disposal Facility: _____ Acceptance Date: _____

Transport Method: _____ Hauler: _____

Date Transferred: _____ Amount: _____ gallons

LEACHATE BULK SAMPLING AND TRANSFER (FORM C)
OPERATION, MAINTENANCE, AND MONITORING

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

Synapse Representative: RPC Date: 8/26/04 Batch: LT-12

TANK VOLUME

Tank Liquid Level from Auto Dialer: 53.6 inches Leachate Volume: 2760 gallons

Flow Totalizer Reading: 558 gallons Previous Batch: _____ gallons Difference: _____ gallons

ANALYTICAL PARAMETER REFERENCE

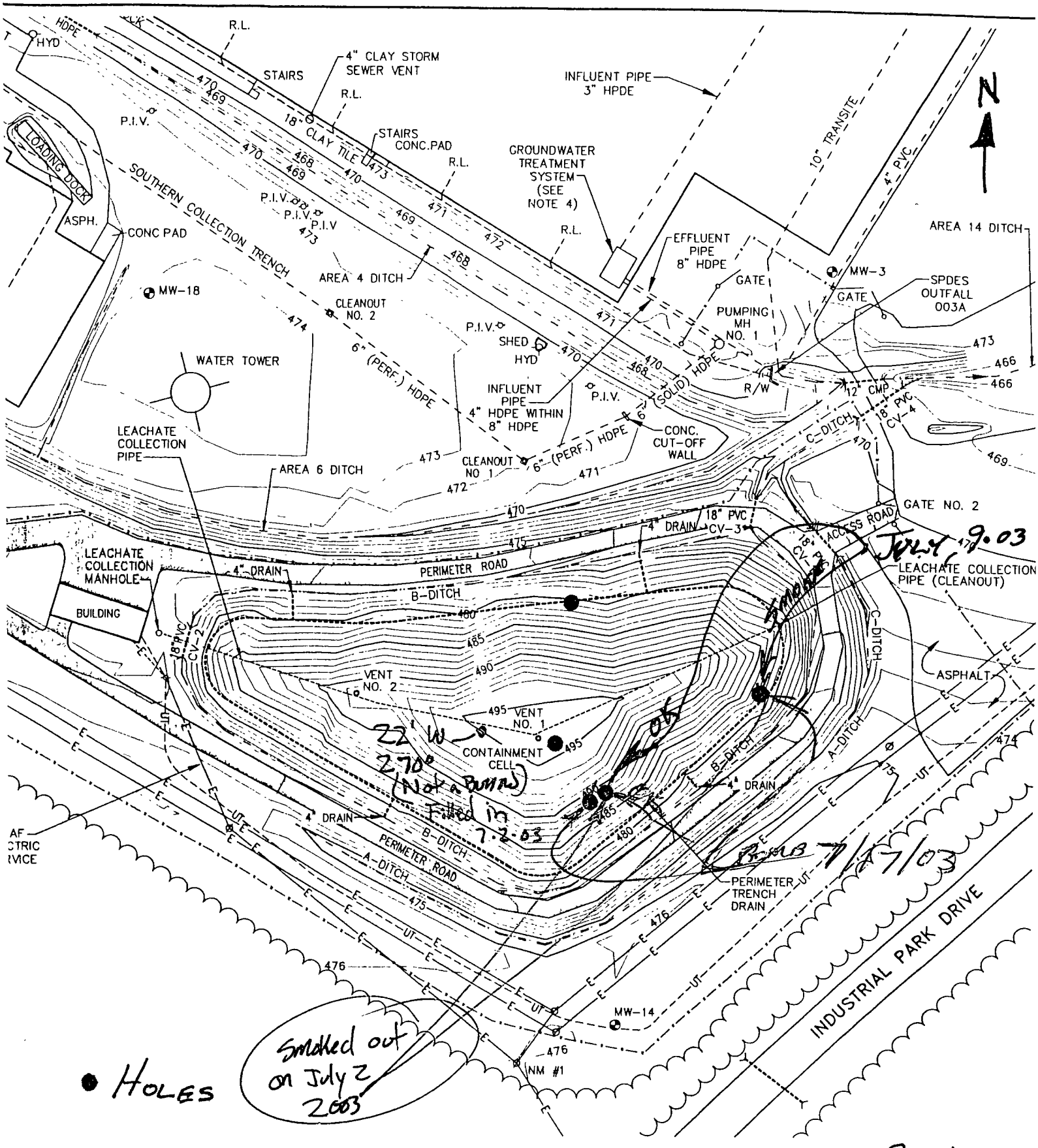
Sample ID	Parameter	Reference	Sample Container	Sample Volume	Preservation	Holding Time
	VOCs	USEPA 624	Two 40-mil glass vials with Teflon-lined septum cap	80 mil	HCL, No headspace; cool 4°C	7 Days
	SVOCs	USEPA 625	1-Liter amber glass	1-Liter	No headspace; cool 4°C	7 Days
	Selected Metals	USEPA200.7	1-Liter plastic	1-Liter	HNO_3 to pH <3	180 Days
	PCBs/ Pesticides	USEPA 608	1-Liter amber glass with Teflon cap	1-Liter	Cool 4°C	1 Day
	Oil & Grease	USEPA 1664	1-Liter amber glass	1-Liter	HCL; cool 4°C	26 Days
	TSS	USEPA 160.2	One 250-mil plastic	250-mil	None	NA

TRANSFER INFORMATION

Disposal Facility: OCDWQ&WPC Acceptance Date: 8/25/04

Transport Method: Vac Truck Hauler: Drain Masters, LLC

Date Transferred: 8/26/04 Amount: 2700 gallons



ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF LAW OF THE NEW YORK STATE EDUCATION LAW

DRAWN BY: D.M.W.

PROJECT MANAGER REVIEW BY: V.D.

SECOR

INTERNATIONAL INCORPORATED
SYRACUSE, NEW YORK

REMEDIAL ACTION
FORMER CHICAGO PNEUMATIC TOOL COMPANY
UTICA, NEW YORK

AS-B
REMEDIAL ACTION

SECOR
International Incorporated

JOB NAME CP
JOB NO.
CALCULATED BY _____ DATE _____
CHECKED BY _____ DATE _____
SHEET _____ OF _____

8-26-09

SURVEY

5.02	FF BACKSHOT ON CONC 478.54
10.01	INFLUENT INVERT
5.56	GRADE @ MH
11.95	BOTTOM AREA 6 DITCH NORTH OF MH

APPENDIX C
LEACHATE DISPOSAL CORRESPONDENCE AND ANALYTICAL DATA

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

synapse

☐ URGENT

☒ FOR REVIEW

☐ PLEASE COMMENT

☐ PLEASE REPLY

ORIGINAL TO FOLLOW VIA US POSTAL SERVICE OR FEDERAL EXPRESS

☐ YES
☐ NO

The information contained in this communication is CONFIDENTIAL, may be attorney-client privileged, may constitute inside information and is intended for the use of the addressee. Unauthorized use, disclosure or copying is strictly prohibited and may be unlawful. If you have\ received this communication in error, please immediately notify us at 315.475.3700.

To:	R.D. Hoffman	From:	Paul Fisher
Company:	OCDWQ&WPC	Date:	August 25, 2004
Fax Number:	(315) 724-9812	Total Pages:	9
Phone Number:	(315) 798-5656	Reference No:	
Subject:		cc:	

Mr. R.D. Hoffman,

Please find attached analytical results for the effluent water sample (LT-12) 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 2,760 gallons on August 26, 2004. Thank You.

Regards,

Paul M. Fisher, P.E.

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

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

August 25, 2004

MR. PAUL M. FISHER, P.E.
SYNAPSE RISK MANAGEMENT LLC
120 EAST WASHINGTON STREET
400 UNIVERSITY BUILDING
SYRACUSE NY 13202

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

Dear Mr. Fisher:

Analyses for sample LT-12 faxed on 08/25/04, representing 2,760 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

RECEIVED
AUG 27 2004

LSL

RECEIVED
AUG 2 7 2004

Brian Macrae
Synapse Risk Management, LLC
120 East Washington Street
Suite 400
Syracuse, NY 13202

Phone: (315) 475-3700
FAX: (315) 475-3780
Authorization: DANA-01-04 TO2

Laboratory Analysis Report

For

Synapse Risk Management, LLC

Client Project ID:

2200 Bleecker St. Utica

LSL Project ID: **0412680**

Receive Date/Time: 07/30/04 9:13

Project Received by: MW

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

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: galeg sutton QAO ***Date:*** 8-24-04

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 8/24/04

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC Syracuse, NY

Sample ID: LT-12 **LSL Sample ID:** 0412680-001

Location:

Sampled: 07/29/04 11:00 **Sampled By:** RC

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(5) EPA 1664 Oil + Grease by LLE					
Oil & Grease	<5	mg/l		8/20/04 09:30	DSW
(1) EPA 200.7 Priority Pollutant Metals					
Cadmium	<0.01	mg/l		8/2/04	TER
Chromium	<0.01	mg/l		8/2/04	TER
Copper	0.14	mg/l		8/2/04	TER
Lead	0.011	mg/l		8/2/04	TER
Nickel	0.027	mg/l		8/2/04	TER
Zinc	0.55	mg/l		8/2/04	TER
The result of the calibration check sample associated with this analysis was greater than the established control limit. Therefore, the analytical result reported above may be biased high.					
(1) EPA 608 PCB's					
Aroclor-1016	<0.1	ug/l	8/3/04	8/5/04	AMW
Aroclor-1221	<0.1	ug/l	8/3/04	8/5/04	AMW
Aroclor-1232	<0.1	ug/l	8/3/04	8/5/04	AMW
Aroclor-1242	<0.1	ug/l	8/3/04	8/5/04	AMW
Aroclor-1248	<0.1	ug/l	8/3/04	8/5/04	AMW
Aroclor-1254	<0.1	ug/l	8/3/04	8/5/04	AMW
Aroclor-1260	<0.1	ug/l	8/3/04	8/5/04	AMW
Surrogate (DCB)	107	%R	8/3/04	8/5/04	AMW
(1) EPA 608 Pesticides					
Aldrin	<0.02	ug/l	8/3/04	8/12/04	AMW
alpha-BHC	<0.02	ug/l	8/3/04	8/12/04	AMW
beta-BHC	<0.02	ug/l	8/3/04	8/12/04	AMW
delta-BHC	<0.02	ug/l	8/3/04	8/12/04	AMW
gamma-BHC (Lindane)	<0.02	ug/l	8/3/04	8/12/04	AMW
Chlordane, Total	<0.02	ug/l	8/3/04	8/12/04	AMW
4,4'-DDD	<0.04	ug/l	8/3/04	8/12/04	AMW
4,4'-DDE	<0.04	ug/l	8/3/04	8/12/04	AMW
4,4'-DDT	<0.04	ug/l	8/3/04	8/12/04	AMW
Dieldrin	<0.04	ug/l	8/3/04	8/12/04	AMW
Endosulfan I	<0.02	ug/l	8/3/04	8/12/04	AMW
Endosulfan II	<0.04	ug/l	8/3/04	8/12/04	AMW
Endosulfan sulfate	<0.04	ug/l	8/3/04	8/12/04	AMW
Endrin	<0.04	ug/l	8/3/04	8/12/04	AMW
Endrin aldehyde	<0.04	ug/l	8/3/04	8/12/04	AMW
Heptachlor	<0.02	ug/l	8/3/04	8/12/04	AMW
Heptachlor epoxide	<0.02	ug/l	8/3/04	8/12/04	AMW
Methoxychlor	<0.2	ug/l	8/3/04	8/12/04	AMW
Toxaphene	<0.4	ug/l	8/3/04	8/12/04	AMW
Surrogate (DCB)	92	%R	8/3/04	8/12/04	AMW
(1) EPA 624 Volatiles					
Benzene	<1	ug/l		8/8/04	LEF
Bromodichloromethane	<1	ug/l		8/8/04	LEF
Bromoform	<1	ug/l		8/8/04	LEF
Bromomethane	<1	ug/l		8/8/04	LEF
Carbon tetrachloride	<1	ug/l		8/8/04	LEF

Life Science Laboratories, Inc.

Date Printed: 8/24/04

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-12 **LSL Sample ID:** 0412680-001

Location:

Sampled: 07/29/04 11:00 **Sampled By:** RC

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 624 Volatiles					
Chlorobenzene	<1	ug/l		8/8/04	LEF
Chloroethane	<1	ug/l		8/8/04	LEF
2-Chloroethylvinyl ether	<10	ug/l		8/8/04	LEF
Chloroform	<1	ug/l		8/8/04	LEF
Chloromethane	<1	ug/l		8/8/04	LEF
Dibromochloromethane	<1	ug/l		8/8/04	LEF
1,2-Dichlorobenzene	<1	ug/l		8/8/04	LEF
1,3-Dichlorobenzene	<1	ug/l		8/8/04	LEF
1,4-Dichlorobenzene	<1	ug/l		8/8/04	LEF
1,1-Dichloroethane	<1	ug/l		8/8/04	LEF
1,2-Dichloroethane	<1	ug/l		8/8/04	LEF
1,1-Dichloroethene	<1	ug/l		8/8/04	LEF
trans-1,2-Dichloroethene	<1	ug/l		8/8/04	LEF
1,2-Dichloropropane	<1	ug/l		8/8/04	LEF
cis-1,3-Dichloropropene	<1	ug/l		8/8/04	LEF
trans-1,3-Dichloropropene	<1	ug/l		8/8/04	LEF
Ethyl benzene	<1	ug/l		8/8/04	LEF
Methylene chloride	<1	ug/l		8/8/04	LEF
1,1,2,2-Tetrachloroethane	<1	ug/l		8/8/04	LEF
Tetrachloroethene	<1	ug/l		8/8/04	LEF
Toluene	<1	ug/l		8/8/04	LEF
1,1,1-Trichloroethane	<1	ug/l		8/8/04	LEF
1,1,2-Trichloroethane	<1	ug/l		8/8/04	LEF
Trichloroethene	<1	ug/l		8/8/04	LEF
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/8/04	LEF
Vinyl chloride	<1	ug/l		8/8/04	LEF
Xylenes (Total)	<1	ug/l		8/8/04	LEF
Surrogate (1,2-DCA-d4)	96	%R		8/8/04	LEF
Surrogate (Tol-d8)	95	%R		8/8/04	LEF
Surrogate (4-BFB)	99	%R		8/8/04	LEF
(1) EPA 625 Semi-Volatiles					
Acenaphthene	<5	ug/l	8/4/04	8/7/04	CRT
Acenaphthylene	<5	ug/l	8/4/04	8/7/04	CRT
Anthracene	<5	ug/l	8/4/04	8/7/04	CRT
Benzidine	<20	ug/l	8/4/04	8/7/04	CRT
Benzo(a)anthracene	<5	ug/l	8/4/04	8/7/04	CRT
Benzo(b)fluoranthene	<5	ug/l	8/4/04	8/7/04	CRT
Benzo(k)fluoranthene	<5	ug/l	8/4/04	8/7/04	CRT
Benzo(ghi)perylene	<5	ug/l	8/4/04	8/7/04	CRT
Benzo(a)pyrene	<5	ug/l	8/4/04	8/7/04	CRT
4-Bromophenyl-phenylether	<5	ug/l	8/4/04	8/7/04	CRT
Butylbenzylphthalate	<5	ug/l	8/4/04	8/7/04	CRT
bis(2-Chloroethoxy)methane	<5	ug/l	8/4/04	8/7/04	CRT
bis(2-Chloroethyl)ether	<5	ug/l	8/4/04	8/7/04	CRT
bis(2-Chloroisopropyl)ether	<5	ug/l	8/4/04	8/7/04	CRT
4-Chloro-3-methylphenol	<5	ug/l	8/4/04	8/7/04	CRT
2-Chloronaphthalene	<5	ug/l	8/4/04	8/7/04	CRT

Life Science Laboratories, Inc.

Date Printed: 8/24/04

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-12 **LSL Sample ID:** 0412680-001

Location:

Sampled: 07/29/04 11:00 **Sampled By:** RC

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 625 Semi-Volatiles					
2-Chlorophenol	<5	ug/l	8/4/04	8/7/04	CRT
4-Chlorophenyl-phenylether	<5	ug/l	8/4/04	8/7/04	CRT
Chrysene	<5	ug/l	8/4/04	8/7/04	CRT
Dibenz(a,h)anthracene	<5	ug/l	8/4/04	8/7/04	CRT
Di-n-butylphthalate	<5	ug/l	8/4/04	8/7/04	CRT
1,2-Dichlorobenzene	<5	ug/l	8/4/04	8/7/04	CRT
1,3-Dichlorobenzene	<5	ug/l	8/4/04	8/7/04	CRT
1,4-Dichlorobenzene	<5	ug/l	8/4/04	8/7/04	CRT
3,3'-Dichlorobenzidine	<10	ug/l	8/4/04	8/7/04	CRT
2,4-Dichlorophenol	<5	ug/l	8/4/04	8/7/04	CRT
2,4-Dimethylphenol	<5	ug/l	8/4/04	8/7/04	CRT
Diethylphthalate	<5	ug/l	8/4/04	8/7/04	CRT
Dimethylphthalate	<5	ug/l	8/4/04	8/7/04	CRT
2,4-Dinitrophenol	<10	ug/l	8/4/04	8/7/04	CRT
2,4-Dinitrotoluene	<5	ug/l	8/4/04	8/7/04	CRT
2,6-Dinitrotoluene	<5	ug/l	8/4/04	8/7/04	CRT
Di-n-octylphthalate	<5	ug/l	8/4/04	8/7/04	CRT
bis(2-Ethylhexyl)phthalate	<5	ug/l	8/4/04	8/7/04	CRT
Fluoranthene	<5	ug/l	8/4/04	8/7/04	CRT
Fluorene	<5	ug/l	8/4/04	8/7/04	CRT
Hexachlorobenzene	<5	ug/l	8/4/04	8/7/04	CRT
Hexachlorobutadiene	<5	ug/l	8/4/04	8/7/04	CRT
Hexachlorocyclopentadiene	<10	ug/l	8/4/04	8/7/04	CRT
Hexachloroethane	<5	ug/l	8/4/04	8/7/04	CRT
Indeno(1,2,3-c,d)pyrene	<5	ug/l	8/4/04	8/7/04	CRT
Isophorone	<5	ug/l	8/4/04	8/7/04	CRT
2-Methyl-4,6-dinitrophenol	<10	ug/l	8/4/04	8/7/04	CRT
Naphthalene	<5	ug/l	8/4/04	8/7/04	CRT
Nitrobenzene	<5	ug/l	8/4/04	8/7/04	CRT
2-Nitrophenol (o-Nitrophenol)	<5	ug/l	8/4/04	8/7/04	CRT
4-Nitrophenol	<5	ug/l	8/4/04	8/7/04	CRT
N-Nitrosodimethylamine	<5	ug/l	8/4/04	8/7/04	CRT
N-Nitrosodiphenylamine	<5	ug/l	8/4/04	8/7/04	CRT
N-Nitroso-di-n-propylamine	<5	ug/l	8/4/04	8/7/04	CRT
Pentachlorophenol	<10	ug/l	8/4/04	8/7/04	CRT
Phenanthrene	<5	ug/l	8/4/04	8/7/04	CRT
Phenol	<5	ug/l	8/4/04	8/7/04	CRT
Pyrene	<5	ug/l	8/4/04	8/7/04	CRT
1,2,4-Trichlorobenzene	<5	ug/l	8/4/04	8/7/04	CRT
2,4,6-Trichlorophenol	<5	ug/l	8/4/04	8/7/04	CRT

Life Science Laboratories, Inc.

Date Printed: 8/24/04

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

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
8015M_GRO*	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

*Run by GC/MS.

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

0412680
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	Next Day*		3-Day *		*Additional Charges may apply
[X]	2-Day *		7-Day*		

Report Address:

Name: Roger Creighton
Company: Synaspe 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 01-04 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#
LT-12	7/29/04	11:00	Grab	W	HCl	2	40 ml/ voa	VOCs by EPA Method 624		001 A B
LT-12			Grab	W	--	1	1-Liter Amber	SVOCs by EPA Method 625		001 C
LT-12			Grab	W	HNO_3	1	1-500 ml plastic	Select Metals by EPA Method 200.7 (Cd, Cr, Cu, Pb, Ni, Zn)		001 D
LT-12			Grab	W	--	1	1-Liter Amber/Tefl	PCBs/Pesticides by EPA Method 608		001 E
LT-12			Grab	W	HCl	1	1-Liter Amber	Oil and Grease by EPA Method 1664		001 F
~~LT-12~~			~~Grab~~	~~W~~	~~--~~	~~1~~	250-mil 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: Roger Creighton	Received By:	7/30/04	9:12
Relinquished By:	Received By:		
Relinquished By:	Rec'd for Lab By:	07-30-04	09:13
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*****

LeachateTank

LSL COC-Leachate

16.8°C oI

APPENDIX D
WATER LEVEL FIELD LOGS - FORM D

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

WATER LEVEL FIELD LOG (FORM D)
OPERATION, MAINTENANCE, AND MONITORING

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

DOMANI Representative: RSW / STM Date: 4/22/04

Location	Installed Depth (ft.)	Measured Depth (ft.)[1] (TOR)	Top Elevation (ft.)[1] (TOR)	Water Depth (ft.)[1]	Water Elevation (ft.)[2]	Water Column (ft.)	Time	Comments
MW-6R	10.52	10.52	465.47	3.88	461.59	6.64	1330	
MW-13A	10.92	11.05	469.23	2.56	466.67	8.49		
MW-14	13.00	12.90	478.37	3.03	475.34	9.87	1044	
MW-17	11.25	11.30	466.02	DRY	–	-	1310	
MW-18	11.73	11.79	475.96	4.71	471.25	7.08	1115	
SCT CO-1	–	6.12	472.30	DRY	–	–		
SCT CO-2	–	–	473.42	7.80	–	–		
SCT CO-3	–	4.55	471.21	DRY	–	–		
NCT CO-1	–	10.5	464.70	DRY	–			
MH-2 (Collection)	12.80		465.31	12.21	453.10	0.59		

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:

001 · 14 14/16 pH 6.27 Temp 14.2°C 44 45 47 Secs

002 · 7 3/16 6.47 14.0°C

003 · 7 16/16 18" 7.0 15.3 5.5 Secs.

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: 10-18-04

Location	Installed Depth (ft.)	Measured Depth (ft.)[1] (TOR)	Top Elevation (ft.)[1] (TOR)	Water Depth (ft.)[1]	Water Elevation (ft.)[2]	Water Column (ft.)	Time	Comments
MW-6R	10.52	10.52 (NM)	465.47	4.44	461.03	6.08	1210	
MW-13A	10.92	10.92	469.23	4.22	465.01	6.48	1220	
MW-14	13.00	13.00	478.37	5.84	472.53	7.16	1230	
MW-17	11.25	11.25	466.02	DRY	—	—	1145	DRY
MW-18	11.73	11.73 ↓	475.96	7.03	468.93	4.70	1115	
SCT CO-1	—	NM	472.30	DRY	—	—	1140	DRY
SCT CO-2	—	8.53	473.42	7.80	465.62	—	1130	
SCT CO-3	—	4.55	471.21	DRY	NM	—	1145	DRY
NCT CO-1	—	NM	464.70	DRY	NM	—	1155	DRY
MH-2 (Collection)	12.80	12.8	465.31	12.3	453.01	0.5	1200	

Notes:

1) Depth measurements are taken in hundredths ofa 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 bythe National Geodetic Vertical Datum (NGVD) of1988.
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:

MH2 Measurement taken from top of steel casing ring
Installed well depths used to calculate well volumes
NM = Not Measured

APPENDIX E
GROUNDWATER SAMPLING LOGS – FORM E

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

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

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

DOMANI Representative: RSN/STM Date: 4-22-04 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)

Dedicated

WL = Water Level Depth (from Form C)

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

Purge Volume Calculation: *(for 2" diameter well)*

(10.52 - 3.88 (6.64)) x .163 = 1.08 x 3 = 3.25 Gallons

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

Purge Method

Bailer Type: Reusable _____ Disposable

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
1:30	Initial	11.5	0.406	3.88	15.97	487	6.91	orange/brown
1:33	1	11.0	0.406	-	16.12	7999	6.63	orange/brown
1:35	2	10.6	0.417	-	16.44	516	6.58	Lt. Brown
1:40	3	10.3	0.414	-	16.47	628	6.58	cloudy

WELL SAMPLING

Sample ID: _____ **Receiving Lab (Chain of Custody)**: _____

General Notes:

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

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

DOMANI Representative: RSN/SJM Date: 4/22/04 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)

(11.05 - 2.56) x .163 x 3 = 4.7 Gallons

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

Purge Method

Bailer Type: Reusable ____ Disposable ____ Dedicated

Actual Volume Generated

5 Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
1:50	START	12.5	0.362	2.56	15.63	312	6.78	Lt. Brown
2:00	1	10.4	0.421		17.33	908	6.85	Gray/Brown
2:05	2	10.3	0.414		17.17	416	6.85	Cloudy
2:15	3	9.9	0.418		17.38	7 999	6.86	Lt. Brown

WELL SAMPLING

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

General Notes: MS / MSD Samples TAKEN

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

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

DOMANI Representative: RSN/SJM Date: 4/22/04 Well Number: MW-14

AIR MONITORING

PID Model: NA Background: N/A ppm At Well N/A 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) (12.90 (TD ft.) - 3.03 (WL ft.)) x .163 (Vol/ft.) x 3 (#VOLS) = 5.1 (Purge Vol.) Gallons (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable X Disposable ____ Dedicated

Actual Volume Generated

5.1 Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
10:39	START	10.4	0.269		17.83	178	6.35	Clear
10:44	1	8.4	0.234		19.12	295	6.62	Lt. Brown
10:55	2	8.5	0.259		18.49	406	6.54	Lt. Brown
2:40	3	8.8	0.258		19.13	684	7.33	Cloudy

WELL SAMPLING

Sample ID: _____ **Receiving Lab (Chain of Custody)**: _____

General Notes: Silica Sand (Pack) in Well Bottom

Duplicate Sample

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

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

DOMANI Representative: RSN/SJM Date: 4/22/04 Well Number: MW-18

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) (11.79 TD (ft.) - 4.71 WL (ft.)) x .163 Vol/ft. x 3 #VOLS = ~~3.39~~ 4 Purge Vol. Gallons (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable X Disposable ____ Dedicated

Actual Volume Generated

~~3~~ 4 Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
11:15	START	9.9	0.438		17.11	265	6.61	CLEAR
11:20	1	8.8	0.439		18.13	654	6.63	LT. BROWN
11:25	2	8.8	0.444		18.14	>999	6.63	LT. BROWN
11:30	3	8.8	0.463		17.89	>999	6.80	LT. BROWN

WELL SAMPLING

Sample ID: _____ **Receiving Lab (Chain of Custody)**: _____

General Notes:

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: 10·18·04 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)

Dedicated

WL = Water Level Depth (from Form C)

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

Purge Volume Calculation: *(for 2" diameter well)*

(10.52 - 4.44 = 6.08) x .163 = .99 x 3 = 2.97 Gallons

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

Purge Method

Bailer Type: Reusable _____ Disposable

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
1550	Initial	16.0	.562	4.44	8.81	55	7.03	10·18·04
1555	1	16.3	.593	6.73	8.61	18	6.97	↓
1558	2	16.5	.610	7.85	8.50	426	6.92	
1605	3	16.3	.585	8.45	8.68	308	6.93	↓
1400		14.6	.581	4.39	8.67	270	6.88	10·19·04

WELL SAMPLING

Sample ID: MW·6R **Receiving Lab (Chain of Custody)**: LSL

General Notes: 1 gallon purged per volume; total 3 gallons

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: 10·18·04 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 (2-9)

Purge Method

Bailer Type: Reusable ____ (Disposable) ____ Dedicated

Actual Volume Generated

4.5 Gallons

Purge Volume Calculation: (for 2" diameter well) (10.42 - 4.44) x .163 = 1.03 x 3 = 3.09 Gallons

TD (ft.) WL (ft.) Vol/ft. #VOLS Purge Vol. (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
1308	Initial	16.1	.687	~~4.72~~ 4.44	8.42	-10	6.48	10·18·04
1315	1	17.2	.669	7.0	8.34	-10	7.19	↓
1319	2	17.5	.669	7.75	7.93	-10	7.33	
1326	3	17.4	.661	8.10	8.17	26	7.37	
1310		15.2	.672	4.17	8.85	-10	7.29	10.19.04

WELL SAMPLING

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

General Notes: 1.5 gallons purged per volume ; total 4.5 gallons
MS/MSD and Duplicate samples collected.

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: 10.18.04 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) 7.16

Purge Volume Calculation: (for 2" diameter well) (13.00 TD (ft.) - 5.84 WL (ft.)) x .163 Vol/ft. x 1.14 x 3 #VOLS = 3.42 Purge Vol. Gallons (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable _____ Disposable _____ Dedicated

Actual Volume Generated

4.5 Gallons

FIELD PARAMETER MEASUREMENT

Time	Vol. No.	Temp (°C)	Conductivity (mS/cm)	Water Depth (ft.)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	pH (NA)	Observations
1355	Initial	12.8	.578	7.16	10.98	25	7.34	10.18.04
1400	1	12.8	.556	10.5	10.91	6	7.27	↓
1410	2	12.6	.261	11.30	10.99	60	7.25	↓
1520	3	12.6	.510	11.31	11.13	-10	7.33	↓
1325		12.8	.449	5.70	10.8	-10	7.42	10.19.04

WELL SAMPLING

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

General Notes: 1.5 gallons purged per Volume; 4.5 gal. total
well allowed to recharge for 1 hr between Vols. 2 & 3.

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: 10.18.04 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)

Dedicated

WL = Water Level Depth (from Form C)

VOL = Number of Well Volumes to Be Purged (3-9) 4.70

Purge Volume Calculation: (for 2" diameter well) (11.73 (TD ft.) - 7.03 (WL ft.)) x .163 = 0.75 (Vol/ft.) x 3 (#VOLS) = 2.25 (Purge Vol.) Gallons (Vol/ft = 0.163 for 2" OD)

Purge Method

Bailer Type: Reusable _____ Disposable

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
1530	Initial	13.7	.686	7.03	10.21	~10	7.22	10.18.04
1535	1	13.6	.709	9.46	10.07	638	7.24	↓
1546	2	13.5	.701	10.51	10.20	26	7.3	↓
1340		13.1	.691	6.99	9.56	~10	7.32	10.19.04

WELL SAMPLING

Sample ID: MW.18 **Receiving Lab (Chain of Custody)**: LSL

General Notes: 1.5 gallons purged each volume. Well began to go dry after 2nd Volume; Sample collected. Total of 3 gallons purged.

APPENDIX F
GROUNDWATER ANALYTICAL DATA

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

Rob Nigolian
Domani, LLC
120 East Washington Street
Syracuse, NY 13202

Phone: (315) 475-3700
FAX: (315) 475-3780
Authorization: DANA 001-03T02

Revised Laboratory Analysis Report

For

Domani, LLC

Client Project ID:

SPDES / 2200 Bleecker St., Utica, NY

LSL Project ID: **0406014**

Receive Date/Time: 04/22/04 17:19

Project Received by: GS

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

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LSL MidLakes Lab
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Fax (585) 396-0377
NYS DOH ELAP #11369

This report was reviewed by: Linda Waters QC ***Date:*** 5/4/04

Life Science Laboratories, Inc.

A copy of this report was sent to:

Original Report Date: 04/30/04 **Date Printed:** 5/3/04

-- REVISED LABORATORY ANALYSIS REPORT --

Domani, LLC Syracuse, NY

Sample ID: MW-6R **LSL Sample ID:** 0406014-004

Location: 2200 Bleeker St., Utica

Sampled: 04/22/04 13:30 **Sampled By:** SM

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082 PCB's					
Aroclor-1016	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1221	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1232	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1242	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1248	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1254	<0 05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1260	<0.05	ug/l	4/27/04	4/28/04	AMW
Surrogate (DCB)	102	%R	4/27/04	4/28/04	AMW
(1) EPA 8260B Volatiles (Partial List)					
trans-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
cis-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
Trichloroethene	<1	ug/l		4/28/04	BD
Vinyl chloride	<1	ug/l		4/28/04	BD
Surrogate (1,2-DCA-d4)	95	%R		4/28/04	BD
Surrogate (Tol-d8)	115	%R		4/28/04	BD
Surrogate (4-BFB)	116	%R		4/28/04	BD

Sample ID: MW-13A **LSL Sample ID:** 0406014-005

Location: 2200 Bleeker St., Utica

Sampled: 04/22/04 14:15 **Sampled By:** SM

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082 PCB's					
Aroclor-1016	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1221	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1232	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1242	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1248	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1254	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1260	<0.05	ug/l	4/27/04	4/28/04	AMW
Surrogate (DCB)	79	%R	4/27/04	4/28/04	AMW
(1) EPA 8260B Volatiles (Partial List)					
trans-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
cis-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
Trichloroethene	<1	ug/l		4/28/04	BD
Vinyl chloride	<1	ug/l		4/28/04	BD
Surrogate (1,2-DCA-d4)	93	%R		4/28/04	BD
Surrogate (Tol-d8)	115	%R		4/28/04	BD
Surrogate (4-BFB)	117	%R		4/28/04	BD

Original Report Date: 04/30/04 **Life Science Laboratories, Inc.** **Date Printed:** 5/3/04

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

-- REVISED LABORATORY ANALYSIS REPORT --

Domani, LLC Syracuse, NY

Sample ID: MW-14 **LSL Sample ID:** 0406014-006
Location: 2200 Bleeker St., Utica
Sampled: 04/22/04 14:30 **Sampled By:** SM
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082 PCB's					
Aroclor-1016	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1221	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1232	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1242	<0 05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1248	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1254	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1260	<0.05	ug/l	4/27/04	4/28/04	AMW
Surrogate (DCB)	79	%R	4/27/04	4/28/04	AMW
(1) EPA 8260B Volatiles (Partial List)					
trans-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
cis-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
Trichloroethene	<1	ug/l		4/28/04	BD
Vinyl chloride	<1	ug/l		4/28/04	BD
Surrogate (1,2-DCA-d4)	96	%R		4/28/04	BD
Surrogate (Tol-d8)	117	%R		4/28/04	BD
Surrogate (4-BFB)	114	%R		4/28/04	BD

Sample ID: MW-18 **LSL Sample ID:** 0406014-007
Location: 2200 Bleeker St., Utica
Sampled: 04/22/04 11:30 **Sampled By:** SM
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082 PCB's					
Aroclor-1016	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1221	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1232	<0 05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1242	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1248	<0 05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1254	<0 05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1260	<0 05	ug/l	4/27/04	4/28/04	AMW
Surrogate (DCB)	88	%R	4/27/04	4/28/04	AMW
(1) EPA 8260B Volatiles (Partial List)					
trans-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
cis-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
Trichloroethene	<1	ug/l		4/28/04	BD
Vinyl chloride	3.5	ug/l		4/28/04	BD
Surrogate (1,2-DCA-d4)	92	%R		4/28/04	BD
Surrogate (Tol-d8)	115	%R		4/28/04	BD
Surrogate (4-BFB)	114	%R		4/28/04	BD

Original Report Date: 04/30/04 **Life Science Laboratories, Inc.** **Date Printed:** 5/3/04

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

-- REVISED LABORATORY ANALYSIS REPORT --

Domani, LLC Syracuse, NY

Sample ID: 042204 **LSL Sample ID:** 0406014-008
Location: 2200 Bleeker St., Utica
Sampled: 04/22/04 0:00 **Sampled By:** SM
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082 PCB's					
Aroclor-1016	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1221	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1232	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1242	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1248	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1254	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1260	<0.05	ug/l	4/27/04	4/28/04	AMW
Surrogate (DCB)	7	%R	4/27/04	4/28/04	AMW
Surrogate recoveries for this analysis were below established control limits. Sample results may be biased low.					
(1) EPA 8260B Volatiles (Partial List)					
trans-1,2-Dichloroethene	<1	ug/l		4/29/04	BD
cis-1,2-Dichloroethene	<1	ug/l		4/29/04	BD
Trichloroethene	<1	ug/l		4/29/04	BD
Vinyl chloride	<1	ug/l		4/29/04	BD
Surrogate (1,2-DCA-d4)	95	%R		4/29/04	BD
Surrogate (Tol-d8)	116	%R		4/29/04	BD
Surrogate (4-BFB)	119	%R		4/29/04	BD

Sample ID: MW-13A MS **LSL Sample ID:** 0406014-009
Location: 2200 Bleeker St., Utica
Sampled: 04/22/04 14:15 **Sampled By:** SM
Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082 PCB's					
Aroclor-1016			4/27/04	4/28/04	AMW
Aroclor-1221			4/27/04	4/28/04	AMW
Aroclor-1232			4/27/04	4/28/04	AMW
Aroclor-1242			4/27/04	4/28/04	AMW
Aroclor-1248			4/27/04	4/28/04	AMW
Aroclor-1254	94	%R	4/27/04	4/28/04	AMW
Aroclor-1260			4/27/04	4/28/04	AMW
Surrogate (DCB)	110	%R	4/27/04	4/28/04	AMW
(1) EPA 8260B Volatiles (Partial List)					
trans-1,2-Dichloroethene	103	%R		4/28/04	BD
cis-1,2-Dichloroethene	102	%R		4/28/04	BD
Trichloroethene	101	%R		4/28/04	BD
Vinyl chloride	104	%R		4/28/04	BD
Surrogate (1,2-DCA-d4)	96	%R		4/28/04	BD
Surrogate (Tol-d8)	102	%R		4/28/04	BD
Surrogate (4-BFB)	105	%R		4/28/04	BD

-- REVISED LABORATORY ANALYSIS REPORT --

Domani, LLC Syracuse, NY

Sample ID: MW-13A MSD **LSL Sample ID:** 0406014-010
Location: 2200 Bleeker St., Utica
Sampled: 04/22/04 14:15 **Sampled By:** SM
Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082 PCB's					
Aroclor-1016			4/27/04	4/28/04	AMW
Aroclor-1221			4/27/04	4/28/04	AMW
Aroclor-1232			4/27/04	4/28/04	AMW
Aroclor-1242			4/27/04	4/28/04	AMW
Aroclor-1248			4/27/04	4/28/04	AMW
Aroclor-1254	1.1	RPD	4/27/04	4/28/04	AMW
Aroclor-1260			4/27/04	4/28/04	AMW
Surrogate (DCB)	115	%R	4/27/04	4/28/04	AMW
(1) EPA 8260B Volatiles (Partial List)					
trans-1,2-Dichloroethene	3	RPD		4/28/04	BD
cis-1,2-Dichloroethene	2	RPD		4/28/04	BD
Trichloroethene	2	RPD		4/28/04	BD
Vinyl chloride	7	RPD		4/28/04	BD
Surrogate (1,2-DCA-d4)	92	%R		4/28/04	BD
Surrogate (Tol-d8)	104	%R		4/28/04	BD
Surrogate (4-BFB)	108	%R		4/28/04	BD

Sample ID: Trip Blank **LSL Sample ID:** 0406014-011
Location: 2200 Bleeker St., Utica
Sampled: 04/22/04 14:15 **Sampled By:** SM
Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B Volatiles (Partial List)					
trans-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
cis-1,2-Dichloroethene	<1	ug/l		4/28/04	BD
Trichloroethene	<1	ug/l		4/28/04	BD
Vinyl chloride	<1	ug/l		4/28/04	BD
Surrogate (1,2-DCA-d4)	93	%R		4/28/04	BD
Surrogate (Tol-d8)	116	%R		4/28/04	BD
Surrogate (4-BFB)	115	%R		4/28/04	BD

Original Report Date: 04/30/04 **Life Science Laboratories, Inc.** **Date Printed:** 5/3/04

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

-- REVISED LABORATORY ANALYSIS REPORT --

Domani, LLC Syracuse, NY

Sample ID: **Method Blank** **LSL Sample ID:** **0406014-012**

Location: 2200 Bleeker St., Utica

Sampled: 04/22/04 15:30 **Sampled By:** SM

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082 PCB's					
Aroclor-1016	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1221	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1232	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1242	<0 05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1248	<0 05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1254	<0.05	ug/l	4/27/04	4/28/04	AMW
Aroclor-1260	<0.05	ug/l	4/27/04	4/28/04	AMW
Surrogate (DCB)	101	%R	4/27/04	4/28/04	AMW

Original Report Date: 04/30/04 **Life Science Laboratories, Inc.** **Date Printed:** 5/3/04

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

SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

8/14/02

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
8015M_GRO*	4-BFB	50-150	50-150
8015M_DRO*	Terphenyl-d14	50-150	50-150

*Run by GC/MS.

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

RECEIVED
MAY 06 2004
DOMANI, LLC

Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

0406014

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Cuba, NY 14727
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LSL Middlesex Lab.
5611 Water St.
Middlesex, NY 14507
Phone: 585-554-5347
Fax: 585-554-6743

Turnaround Time

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

Report Address:
Name: Rob Nigolian
Company: DOMANI
Street: 120 E. Washington Street, Suite 400
City/State: Syracuse, NY
Zip: 13202
Phone: 475-3700
Fax: 475-3780
Email: rnigolian@domani-llc.com

Date Needed or Special Instructions

Authorization or P.O. #
DANA 001-03 T02

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

LSL Project Number.

LSL ID#	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	4/22/04	1:30	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		004A,B
	MW-6R		↓	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		004C
	MW-13A		2:15	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		005A,B
	MW-13A		↓	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		005C
	MW-14		2:30	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		006A,B
	MW-14		↓	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		006C
	MW-18		11:30	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		007A,B
	MW-18		↓	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		007C
	042204		-	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		008A,B
	042204		-	Grab	W	HNO_3	1	1-Liter Amber	PCBs by EPA Method 8082	✓	008C
	MW-13A MS/MSD		2:15	Grab	W	HCl	2 4	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		009A,B 010A
	MW-13A MS/MSD → 1 VOA EACH		↓	Grab	W	--	2	1-Liter Amber	PCBs by EPA Method 8082		009C 010B,C
	Trip Blank	↓	3:30	Grab	W	HCL	2	40 ml/ VOA	Select VOC's by 8260	TB	011A,B,C

012 = MB

LSL use only.

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

Custody Transfers

		Date	Time
Sampled By:	Scott Matthews		
Relinquished By:		Received By:	
Relinquished By:		Rec'd for Lab By:	04-22-04 17:19 RCVD
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

8 sec onto

LSL

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APR 30 2004
DOMANI, LLC

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Phone: (315) 475-3700
FAX: (315) 475-3780

Laboratory Analysis Report

For

Domani, LLC

Client Project ID:

SPDES 2200 Bleeker St., Utica

LSL Project ID: **0406048**

Receive Date/Time: 04/23/04 14:05

Project Received by: GS

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

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LSL Finger Lakes Lab
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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: Linda Waters QC ***Date:*** 4/28/04

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 4/28/04

-- LABORATORY ANALYSIS REPORT --

Domani, LLC *Syracuse, NY*

Sample ID: MW-6R **LSL Sample ID:** 0406048-001

Location: 2200 Bleeker St., Utica, NY

Sampled: 04/23/04 11:50 **Sampled By:** RN

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 6010 Total Metals					
Zinc	<0.01	mg/l	4/26/04	4/26/04	PEF
Copper	<0.01	mg/l	4/26/04	4/26/04	PEF
Chromium	<0.01	mg/l	4/26/04	4/26/04	PEF
Lead	<0.01	mg/l	4/26/04	4/26/04	PEF

Life Science Laboratories, Inc.

Date Printed: 4/28/04

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

-- LABORATORY ANALYSIS REPORT --

Domani, LLC Syracuse, NY

Sample ID: MW-13A **LSL Sample ID:** 0406048-002

Location: 2200 Bleeker St., Utica, NY

Sampled: 04/23/04 11:35 **Sampled By:** RN

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 6010 Total Metals					
Zinc	0.029	mg/l	4/26/04	4/26/04	PEF
Copper	<0.01	mg/l	4/26/04	4/26/04	PEF
Chromium	<0.01	mg/l	4/26/04	4/26/04	PEF
Lead	<0.01	mg/l	4/26/04	4/26/04	PEF

Life Science Laboratories, Inc.

Date Printed: 4/28/04

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

-- LABORATORY ANALYSIS REPORT --

Domani, LLC *Syracuse, NY*

Sample ID: MW-14 **LSL Sample ID:** 0406048-003

Location: 2200 Bleeker St., Utica, NY

Sampled: 04/23/04 11:20 **Sampled By:** RN

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 6010 Total Metals					
Zinc	0.017	mg/l	4/26/04	4/26/04	PEF
Copper	0.012	mg/l	4/26/04	4/26/04	PEF
Chromium	<0 01	mg/l	4/26/04	4/26/04	PEF
Lead	<0.01	mg/l	4/26/04	4/26/04	PEF

Life Science Laboratories, Inc.

Date Printed: 4/28/04

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

-- LABORATORY ANALYSIS REPORT --

Domani, LLC *Syracuse, NY*

Sample ID: MW-18 **LSL Sample ID:** 0406048-004

Location: 2200 Bleeker St., Utica, NY

Sampled: 04/23/04 12:00 **Sampled By:** RN

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 6010 Total Metals					
Zinc	0.018	mg/l	4/26/04	4/26/04	PEF
Copper	<0.01	mg/l	4/26/04	4/26/04	PEF
Chromium	<0.01	mg/l	4/26/04	4/26/04	PEF
Lead	<0.01	mg/l	4/26/04	4/26/04	PEF

Life Science Laboratories, Inc.

Date Printed: 4/28/04

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

-- LABORATORY ANALYSIS REPORT --

Domani, LLC *Syracuse, NY*

Sample ID: 042304 **LSL Sample ID:** 0406048-005

Location: 2200 Bleeker St., Utica, NY

Sampled: 04/23/04 0:00 **Sampled By:** RN

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 6010 Total Metals					
Zinc	0 020	mg/l	4/26/04	4/26/04	PEF
Copper	<0 01	mg/l	4/26/04	4/26/04	PEF
Chromium	<0 01	mg/l	4/26/04	4/26/04	PEF
Lead	<0.01	mg/l	4/26/04	4/26/04	PEF

Life Science Laboratories, Inc.

Date Printed: 4/28/04

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

-- LABORATORY ANALYSIS REPORT --

Domani, LLC *Syracuse, NY*

Sample ID: MW-13A MS **LSL Sample ID:** 0406048-006

Location: 2200 Bleeker St., Utica, NY

Sampled: 04/23/04 11:35 **Sampled By:** RN

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 6010 Total Metals					
Zinc	95	%R	4/26/04	4/26/04	PEF
Copper	97	%R	4/26/04	4/26/04	PEF
Chromium	97	%R	4/26/04	4/26/04	PEF
Lead	95	%R	4/26/04	4/26/04	PEF

Life Science Laboratories, Inc.

Date Printed: 4/28/04

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

-- LABORATORY ANALYSIS REPORT --

Domani, LLC *Syracuse, NY*

Sample ID: MW-13A MSD **LSL Sample ID:** 0406048-007

Location: 2200 Bleeker St., Utica, NY

Sampled: 04/23/04 11:35 **Sampled By:** RN

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 6010 Total Metals					
Zinc	39	RPD	4/26/04	4/26/04	PEF
Copper	<1	RPD	4/26/04	4/26/04	PEF
Chromium	<1	RPD	4/26/04	4/26/04	PLI
Lead	<1	RPD	4/26/04	4/26/04	PEF

Life Science Laboratories, Inc.

Date Printed: 4/28/04

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

Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

0406048
DomaniLLC

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E. Syracuse, NY 13057
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LSL Finger Lakes Lab.
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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

LS
561[illegible] Water Street
Middlesex, NY 14507
Phone: 585-554-5347
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: Rob Nigolian
Company: DOMANI
Street: 120 E. Washington Street, Suite 400
City/State: Syracuse, NY Zip: 13202
Phone: 475-3700 X32 Fax: 475-3780
Email: rnigolian@domani-llc.com

Date Needed or Special Instructions:

Authorization or P.O. #
DANA 001-03 T02

LSL Project Number:

Client Project ID/Client Site ID
SPDES / 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#
MW-6R	4/23/04	11:50	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		001A
MW-13A		11:35	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		002A
MW-14		11:20	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		003A
MW-18		12:00	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		004A
042304			Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		005A
MS/MSD	↓	11:35	Grab	W	HNO_3	2	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		006A
									007A	~~006B~~

LSL use only:

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

Custody Transfers

		Date	Time
Sampled By: Rob NiGolian	**Received By:**		
Relinquished By:	**Received By:**		
Relinquished By:	**Rec'd for Lab By:**	04-23-04	14:05 RCVD
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*** 11.0°C

Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

0418480

~~Domani LLC~~ AM Synapse

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5854 Butternut Drive
E. Syracuse, NY 13057
Phone: 315-445-1105
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LSL Southern Tier Lab.
30 East Main St.
Cuba, NY 14727
Phone: 585-968-2640
Fax: 585-968-2640

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

Turnaround Time

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

Date Needed or Special Instructions:

Authorization or P.O. #
DANA 001-03 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	10-18-04	1605	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		001 AB
MW-6R		1605	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
MW-13A		1326	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE, TCE, and vinyl chloride)		002 AB
MW-13A		1326	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
MW-14		1520	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		003 AB
MW-14		1520	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
MW-18		1546	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE, and vinyl chloride)		004 AB
MW-18		1546	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
~~Duplicate~~ 101804 AM		NA	Grab	W	HCl	2	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE, and vinyl chloride)		005 AB
~~Duplicate~~ 101804 AM		NA	Grab	W	--	1	1-Liter Amber	PCBs by EPA Method 8082		C
MS/MSD - MW-13A		1326	Grab	W	HCl	4	40 ml/ voa	Select VOCs by EPA Method 8260 (cis- & trans-1,2-DCE; TCE; and vinyl chloride)		006 AB MS / 007 AB MSD
MS/MSD - MW-13A		1326	Grab	W	--	2	1-Liter Amber	PCBs by EPA Method 8082		C / C
Trip Blank	↓									008 AB

LSL use only

Temp of samples:
Containers this C-O-C

Custody Transfers

		Date	Time
Sampled By: S. Matthews	**Received By:**		
Relinquished By: A. Mattar	**Received By:**		
Relinquished By:	**Rec'd for Lab By:** J. Frances	10/18/04	1720
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*****

5.2° From walk-in on Ice

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 001-03 T02

Laboratory Analysis Report

For

Synapse Risk Management, LLC

Client Project ID:

SPDES / 2200 Bleecker St., Utica, NY

LSL Project ID: **0418599**

Receive Date/Time: 10/19/04 16:25

Project Received by: MW

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NYS DOH ELAP #10760

LSL MidLakes Lab
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Canandaigua, NY 14424
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NYS DOH ELAP #11369

This report was reviewed by: Kalamarides, Ph.D., QAO *Date:* 11-29-04
Life Science Laboratories, Inc

A copy of this report was sent to:

Originally Printed: 10/26/04

Date Printed: 11/29/04

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC *Syracuse, NY*

Sample ID: MW-6R **LSL Sample ID:** 0418599-001

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/19/04 14:00 **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		10/21/04	TER
Copper	<0.01	mg/l		10/21/04	TER
Lead	<0.01	mg/l		10/21/04	TER
Zinc	0 019	mg/l		10/21/04	TER

Originally Printed: 10/26/04 **Life Science Laboratories, Inc.** **Date Printed:** 11/29/04

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: MW-13A **LSL Sample ID:** 0418599-002

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/19/04 13:10 **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		10/21/04	TER
Copper	<0.01	mg/l		10/21/04	TER
Lead	<0.01	mg/l		10/21/04	TER
Zinc	0.012	mg/l		10/21/04	TER

Originally Printed: 10/26/04 **Life Science Laboratories, Inc.** **Date Printed:** 11/29/04

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: MW-14 **LSL Sample ID:** 0418599-003

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/19/04 13:25 **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		10/21/04	TER
Copper	<0 01	mg/l		10/21/04	TER
Lead	<0 01	mg/l		10/21/04	TER
Zinc	<0.01	mg/l		10/21/04	TER

Originally Printed: 10/26/04 **Life Science Laboratories, Inc.** **Date Printed:** 11/29/04

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: MW-18 **LSL Sample ID:** 0418599-004

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/19/04 13:40 **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		10/21/04	TER
Copper	<0.01	mg/l		10/21/04	TER
Lead	<0.01	mg/l		10/21/04	TER
Zinc	<0.01	mg/l		10/21/04	TER

Originally Printed: 10/26/04 **Life Science Laboratories, Inc.** **Date Printed:** 11/29/04

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: 101904 **LSL Sample ID:** 0418599-005

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/19/04 0:00 **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		10/21/04	TER
Copper	<0.01	mg/l		10/21/04	TER
Lead	<0.01	mg/l		10/21/04	TER
Zinc	0 017	mg/l		10/21/04	TER

Originally Printed: 10/26/04 **Life Science Laboratories, Inc.** **Date Printed:** 11/29/04

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: MS 13A **LSL Sample ID:** 0418599-006

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/19/04 13:10 **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	82	% R		11/16/04	TER
Copper	85	% R		11/16/04	TER
Lead	81	% R		11/16/04	TER
Zinc	80	% R		11/16/04	TER

Originally Printed: 10/26/04 **Life Science Laboratories, Inc.** **Date Printed:** 11/29/04

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: **MSD 13A** **LSL Sample ID:** **0418599-007**

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/19/04 13:10 **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		11/16/04	TER
Copper	<1	RPD		11/16/04	TER
Lead	<1	RPD		11/16/04	TER
Zinc	8.3	RPD		11/16/04	TER

Originally Printed: 10/26/04 **Life Science Laboratories, Inc.** **Date Printed:** 11/29/04

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

Life Science Laboratories, Inc.
CHAIN OF CUSTODY RECORD

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Fax: 585-728-2711

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

0418599
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 001-03 T02

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

LSL Project Number: [redacted]

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	10.19.04	1400	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		001
MW-13A		1310	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		002
MW-14		1325	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		003
MW-18		1340	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		004
10.19.04 Duplicate		NA	Grab	W	HNO_3	1	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		005
MS/MSD @ 13A		1310	Grab	W	HNO_3	2	500-ml plastic	Metals by EPA Method 6000 Series (Cr, Cu, Pb, Zn)		006 MS
										007 MSD

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:** Mulville	10-19-04	16:25 RCVD
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*****

11.0° on ice

Brian Macrae
Synapse Risk Management, LLC
120 East Washington Street
Suite 400
Syracuse, NY 13202

Phone: (315) 475-3700
FAX: (315) 475-3780
Authorization: PO# DANA 001-03 TO2

Laboratory Analysis Report

For

Synapse Risk Management, LLC

Client Project ID:

SPDES / 2200 Bleecker St., Utica, NY

LSL Project ID: **0418480**

Receive Date/Time: 10/18/04 17:20

Project Received by: JF

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

Life Science Laboratories, Inc.

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This report was reviewed by: Linda Waters QC *Date:* 11/11/04

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 11/11/04

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC *Syracuse, NY*

Sample ID: MW-6R **LSL Sample ID:** 0418480-001

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 16:05 **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	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1221	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1232	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1242	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1248	<0 05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1254	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1260	<0.05	ug/l	10/19/04	10/20/04	AMW
Surrogate (DCB)	96	%R	10/19/04	10/20/04	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
trans-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
Trichloroethene	<1	ug/l		10/29/04	BD
Vinyl chloride	<1	ug/l		10/29/04	BD
Surrogate (1,2-DCA-d4)	84	%R		10/29/04	BD
Surrogate (Tol-d8)	108	%R		10/29/04	BD
Surrogate (4-BFB)	96	%R		10/29/04	BD

Life Science Laboratories, Inc.

Date Printed: 11/11/04

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: MW-13A **LSL Sample ID:** 0418480-002

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 13:26 **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	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1221	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1232	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1242	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1248	<0 05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1254	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1260	<0.05	ug/l	10/19/04	10/20/04	AMW
Surrogate (DCB)	64	%R	10/19/04	10/20/04	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
trans-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
Trichloroethene	<1	ug/l		10/29/04	BD
Vinyl chloride	<1	ug/l		10/29/04	BD
Surrogate (1,2-DCA-d4)	85	%R		10/29/04	BD
Surrogate (Tol-d8)	111	%R		10/29/04	BD
Surrogate (4-BFB)	96	%R		10/29/04	BD

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC *Syracuse, NY*

Sample ID: MW-14 **LSL Sample ID:** 0418480-003

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 15:20 **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	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1221	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1232	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1242	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1248	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1254	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1260	<0.05	ug/l	10/19/04	10/20/04	AMW
Surrogate (DCB)	83	%R	10/19/04	10/20/04	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
trans-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
Trichloroethene	<1	ug/l		10/29/04	BD
Vinyl chloride	<1	ug/l		10/29/04	BD
Surrogate (1,2-DCA-d4)	86	%R		10/29/04	BD
Surrogate (Tol-d8)	111	%R		10/29/04	BD
Surrogate (4-BFB)	94	%R		10/29/04	BD

Life Science Laboratories, Inc.

Date Printed: 11/11/04

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: MW-18 **LSL Sample ID:** 0418480-004

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 15:46 **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	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1221	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1232	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1242	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1248	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1254	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1260	<0.05	ug/l	10/19/04	10/20/04	AMW
Surrogate (DCB)	96	%R	10/19/04	10/20/04	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
trans-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
Trichloroethene	<1	ug/l		10/29/04	BD
Vinyl chloride	7 0	ug/l		10/29/04	BD
Surrogate (1,2-DCA-d4)	87	%R		10/29/04	BD
Surrogate (Tol-d8)	110	%R		10/29/04	BD
Surrogate (4-BFB)	92	%R		10/29/04	BD

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Date Printed: 11/11/04

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: 101804 **LSL Sample ID:** 0418480-005

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 0:00 **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	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1221	<0 05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1232	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1242	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1248	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1254	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1260	<0 05	ug/l	10/19/04	10/20/04	AMW
Surrogate (DCB)	107	%R	10/19/04	10/20/04	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
trans-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
Trichloroethene	<1	ug/l		10/29/04	BD
Vinyl chloride	<1	ug/l		10/29/04	BD
Surrogate (1,2-DCA-d4)	90	%R		10/29/04	BD
Surrogate (Tol-d8)	109	%R		10/29/04	BD
Surrogate (4-BFB)	95	%R		10/29/04	BD

Life Science Laboratories, Inc.

Date Printed: 11/11/04

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: MS - MW-13A **LSL Sample ID:** 0418480-006

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 13:26 **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	54	%R	10/19/04	10/21/04	AMW
Aroclor-1221			10/19/04	10/21/04	AMW
Aroclor-1232			10/19/04	10/21/04	AMW
Aroclor-1242			10/19/04	10/21/04	AMW
Aroclor-1248			10/19/04	10/21/04	AMW
Aroclor-1254			10/19/04	10/21/04	AMW
Aroclor-1260	54	%R	10/19/04	10/21/04	AMW
Surrogate (DCB)	33	%R	10/19/04	10/21/04	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	108	%R		10/28/04	BD
trans-1,2-Dichloroethene	112	%R		10/28/04	BD
Trichloroethene	90	%R		10/28/04	BD
Vinyl chloride	110	%R		10/28/04	BD
Surrogate (1,2-DCA-d4)	88	%R		10/28/04	BD
Surrogate (Tol-d8)	89	%R		10/28/04	BD
Surrogate (4-BFB)	82	%R		10/28/04	BD

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC *Syracuse, NY*

Sample ID: MSD **LSL Sample ID:** 0418480-007

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 0:00 **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	65	RPD	10/19/04	10/21/04	AMW
Aroclor-1221			10/19/04	10/21/04	AMW
Aroclor-1232			10/19/04	10/21/04	AMW
Aroclor-1242			10/19/04	10/21/04	AMW
Aroclor-1248			10/19/04	10/21/04	AMW
Aroclor-1254			10/19/04	10/21/04	AMW
Aroclor-1260	72	RPD	10/19/04	10/21/04	AMW
Surrogate (DCB)	119	%R	10/19/04	10/21/04	AMW
(1) EPA 8021B Volatiles(Partial List)by 8260					
cis-1,2-Dichloroethene	<1	RPD		10/28/04	BD
trans-1,2-Dichloroethene	<1	RPD		10/28/04	BD
Trichloroethene	<1	RPD		10/28/04	BD
Vinyl chloride	4	RPD		10/28/04	BD
Surrogate (1,2-DCA-d4)	87	%R		10/28/04	BD
Surrogate (Tol-d8)	90	%R		10/28/04	BD
Surrogate (4-BFB)	82	%R		10/28/04	BD

-- LABORATORY ANALYSIS REPORT --

Synapse Risk Management, LLC *Syracuse, NY*

Sample ID: **Trip Blank** **LSL Sample ID:** **0418480-008**

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 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		10/29/04	BD
trans-1,2-Dichloroethene	<1	ug/l		10/29/04	BD
Trichloroethene	<1	ug/l		10/29/04	BD
Vinyl chloride	<1	ug/l		10/29/04	BD
Surrogate (1,2-DCA-d4)	89	%R		10/29/04	BD
Surrogate (Tol-d8)	110	%R		10/29/04	BD
Surrogate (4-BFB)	95	%R		10/29/04	BD

Life Science Laboratories, Inc.

Date Printed: 11/11/04

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: Method Blank **LSL Sample ID:** 0418480-009

Location: SPDES / 2200 Bleecker St., Utica, NY

Sampled: 10/18/04 0:00 **Sampled By:**

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 608 PCB's					
Aroclor-1016	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1221	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1232	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1242	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1248	<0.05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1254	<0 05	ug/l	10/19/04	10/20/04	AMW
Aroclor-1260	<0.05	ug/l	10/19/04	10/20/04	AMW
Surrogate (DCB)	80	%R	10/19/04	10/20/04	AMW

Life Science Laboratories, Inc.

Date Printed: 11/11/04

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

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
8015M_GRO*	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

*Run by GC/MS.

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

APPENDIX G
GROUNDWATER TREATMENT SYSTEM INSPECTION LOGS

2004 ANNUAL OPERATION, MAINTENANCE AND MONITORING REPORT

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

MARCH 2005

11:30

12-23-03 Air Stripper off
Restarted air pressure - 15"wc
@ 40 GPM
Sump - 17840
Manhole #1 - 28377370 @ 25 GPM
Manhole #2 - 9150620 @ 12 GPM
Manhole #2 Flow meter not working properly need to ordered new paddle wheel
Possible Power outage.
MEK

1-1-04 9:00 AM Alarm called out 12-31-03
Sump - 17840
Manhole #1 - 28438270
Manhole #2 - 9162030
air pressure - 6"wc
Manhole #2 in high Alarm
cleaned flow meter Paddle wheel and replaced.
MEK

1-8-04 4:30 PM AIR - 6"wc
Sump - 17840
M-1 - 28476830
M-2 - 9162050 5-10 GPM
Manhole #2 still in High ALARM
MEK

1-16-04 9:30 AM
air pressure - 6"wc
Sump - 17840
Manhole #1 - 28500520
Manhole #2 - 9162080
Manhole #2 - High ALARM MEK

1-23-04 10:00 AM air pressure - 6"wc
Sump - 17840
Manhole #1 - 28517930
Manhole #2 - 9162090
Manhole #2 - in High ALARM
Both Pumps Running
CLEANED PADDLE ON Flow meter #2 MEK

1-29-04 2:00 PM air pressure - 6"wc
Sump - 17840
Manhole #1 - 28528580
Manhole #2 - 9162100
Manhole #2 Both pumps RUNNING
Still in high ALARM
MEK

1:20 PM

2-5-04

air pressure 6" wc

Sump - 17840

manhole #1 - 28540930

manhole #2 = 9162100

Both pumps RUNNING manhole in high ALARM

BUCKET TESTED FLOW = 6-8 gpm.

MSK

2-9-04 STRIPPER SHUT DOWN for TRAY cleaning, TRAYS CLEANED 2/10-04 + 2-11-04

MSK

2-12-04 2:30 RESTART STRIPPER after cleaning Trays

sump - 178560

manhole #1 - 28550720 at 30 GPM

manhole #2 - 9162110 cleaned

Paddle wheel on flow meter, still won't RECORD FLOW at STATIC LINE PRESSURE -

air pressure 10" wc at 40 GPM

out Fall looks normal No air flow out Pipe. MSK

9:00 AM

2-20-04

manhole #2 is pumped Down Below 6th Step in manhole BUT still in High ALARM

AIR Pressure 8" wc

Sump - 17856

manhole #1 - 28574140

manhole #2 - 916 2130

Both Pumps Running in #2

MSK

10:00

2-27-04

air Pressure - 10" wc

Sump - 17856

manhole #1 - 28589840

manhole #2 - 9162140 in high ALARM

Both Pumps RUNNING

MSK

1:30

3-4-04

water in Manhole #2 at 4th step in manhole

air pressure 14" wc

sump - 17856

manhole #1 - 28618730

manhole #2 - 9162160

Both pumps running, manhole in High Alarm

MJK

3-12-04 air pressure - 16" wc

10:00 sump - 17856

manhole #1 - 28674520 - 30 GPM

manhole #2 - 9162190 - pumps running in high alarm.

MJK

3-18-04 7:00 manhole #2 at 4th step - High Alarm

air pressure - 16" wc

sump - 17856

manhole #1 - 28698870

manhole #2 - 9162200

Both pumps running in high ALARM

MJK

9:30

3-26-04

air 15" wc

sump - 17856

manhole #1 - 28734150

manhole #2 Down to 3½ steps in high Alarm

Both Pumps Running - 9162220

MJK

4-1-04 12:50 - manhole #2 being VAC out

By Paragon - air - 15" wc

sump - 17891

manhole #2 - 9180850

manhole #1 - 28776630

MJK

4-6-04 1:30 air 15" wc

Last week manholes cleaned

Pipe cleaned out from manhole #2

sump - 17891

manhole #1 - 28837990

manhole #2 - 9232910 - 20 GPM

manhole - 2 water level down where it should be.

MJK

4/8/04 1:00 pm Visited site in response to dialer alarm-
Air Stripper operating - 15 in. W.C
no influent flow at time of visit
meter readings:
MH #1 2886888
MH #2 9255140
Sump 17891
no alarms - board green-
everything appears OK

4-23-04 8:00 am air pressure 10" wc
MANholes Pumped Down
MH-1 - 29054720
MH-2 - 9411280
Sump - 17898
TRANSFERED Stripper Sludge
From Steel Drum to Plastic Barrel
checked stripper Inspection
PORTS - STARTING To Build up
SEDIMENT
MJK

4-30-04 - 1:30 air blowing to BLOW
OUT Effluent Pipe At Discharge
air pressure - 15" wc
sump 18012 ← (Sample Port open LAST week)
MANhole #1 - 29095950
MANhole #2 - 9492750 - 15 gpm
Starting Oil water MJK
Separator TODAY (NO Power IN Building)

5-8-04 2:50 pm air stripper air pressure 8" wc
Sump - 18012
MANhole #1 - 29126970
MANhole #2 - 9573510
Reset STARTER ON MANhole #2
Pump #2 (WAS TRIPPED OUT)
MJK

5/13/04 0830 arrived - MH2 pumping
Air Stripper running - MH#1 in alarm
Tested GF pumps in hand - operational -
switched back to auto reset alarm -
system appears normal - reset dialer
Totalyzer Floor Sump 18012
MH1 29150190
MH2 9624400
inches W.C. = 8"
Don Davis

5-14-04 - STARTED oil water separator
ADJUSTED PROBES - WOULD NOT RESET
START TOTAL - 1216670

11:00 AIR STRIPPER AIR PRESSURE 11"WC
Sump - 18012
manhole #1 - 29154440
manhole #2 - 9635130

INSTALL sign at outfall
MJK

1200
5-18-04 Air STRIPPER off
Alarm call out 5-17-04 2130
Restart Sump - 18012
22 GPM manhole #1 - 29165770
70 GPM Manhole #2 - 9663830
air pressure - 15" wc
- EFFLUENT VALVE CLOSED ON
8" Pipe
(O+G SAmple oil water Separator) MJK

Alarmed 5/24/04 500 PM
11:20 AM
5-25-04 STRIPPER off
Sump - 18012
MANhole #1 - 29193180
MANhole #2 - 9720080
Restarted stripper, manholes in
high Level Alarm, AIR Pressure 16" wc
THUNDERSTORMS YESTERDAY MJK

10:00 AM
6-1-04 oil water separator - OK
ADJ. AIR CONTROL FLOAT
AIR STRIPPER AIR PRESURE - 11" WC
MANhole #2 - 9799920 ReseT
high Level ALARm - OK
Sump - 18012
MANhole #1 - 29199940

6/8/04 1045. Meeting w/ CPT officials
Stripper operational
no water flowing - no alarms
MH #1 29283350
MH #2 9856570
Sump 18012
15 inches of water column.

6-10-04 STripper off THUNDER STORMS
OVER NIGHT, RESTARTED 12:50
Sump - 18013
High ALARM - manhole #1 - 29207170
High ALARM - manhole #2 - 9865840
AIR pressure - 28" wc AT 130 GPM
MEK

6-16-04 9:00
Sump - 18013
manhole #1 - 29226010
manhole #2 - 9913440
AIR pressure - 12" wc
Reset High Level ALARM
on manhole #2 no ALARMS
MEK

6-23-04 STripper SHUT DOWN
FOR CLEANING, CLEANED
6-23-04 + 6-24-04
6-25-04 - RESTARTED STripper
8:30 AM Sump - 18061
High Alarm 30 GPM manhole #1 - 29244940
High Alarm 30 GPM manhole #2 - 9962720
AIR pressure - 14" wc
Reset manhole #1 ALARM MEK
TRIMED weeds AROUND OUTFALL

6-30-04 Reset manhole #2
High Level ALARM
VALVE ON manhole #1 INFULENT
Line open WATER going TO FLOOR
Sump. FLOOR Sump TOTAL - 19322
manhole #1 - 29248250
manhole #2 - 10004280
AIR pressure - 7" wc NOT TREATING
FLOW
10:00 AM MEK

7-9-04 10:00 AM

AIR PRESSURE 8" WC

Sump - 20848

manhole #1 - 29269090

manhole #2 - 10068000

FLOOR SUMP RAN 1526 gallons

water HOSE DRIPPING NEAR SUMP

DON'T THINK IT COULD BE FROM

JUST THAT

MJK

7-16-04 9:30 AIR PRESSURE 9" WC

Sump - 21141

manhole #1 - 29288700

manhole #2 - 10125040

FLOOR SUMP RAN 293 gallons

FLOOR IS DRY, DON'T KNOW

WHERE WATER CAME FROM

MJK

10:00 AM

7-23-04 AIR PRESSURE 11" WC

Sump - 21163

manhole #1 - 29315890

manhole #2 - 10187810

EXTRA - 22 gallons through sump

FLOOR IS DRY

MJK

7-30-04 10:30 AIR PRESSURE - 14" WC

TREATING 20 GPM FROM manhole #2

Sump - 21178

manhole #1 - 29349840

manhole #2 - 10254160

SUMP HAS EXTRA 15 gallons ?

MJK

8-6-04 10:30 AIR PRESSURE 15" WC

Sump - 21178

manhole #1 - 29371830

manhole #2 - 10314900

UPSTATE SAMPLERS ON SITE

SWEEP UP AREA

MJK

11:50 AM

8-13-04 AIR PRESSURE - 19" H2O
Sump - 21178
manhole #1 - 29398040 @ 20 GPM
manhole #2 - 10366760
MJK

8-20-04 - 11:00
AIR pressure 10" NOT TREATING
Sump - 21178
manhole #1 - 29422090
manhole #2 - 10428470
MJK

11:00
8-23-04 AIR pressure - 10" NOT TREATING
" " 20" TREATING 20 GPM
Sump - 21178
manhole #1 - 29438070
manhole #2 - 10460980

Took well samples around oil water separator building with Don Davis
MJK

8-31-04 12:00
air pressure - 14" wc
Sump - 21178
manhole #1 - 29464960
manhole #2 - 10533440 @ 23 GPM
MJK

9:30
9-10-04 air Pressure 19" wc - NT.
Sump - 21178
manhole #1 - 29501710
manhole #2 - 10608810
MJK

1:00
9-15-04 Alarm call out
Power went off a couple of Times in morning. Restarted Blower and Pumps
AIR PRESSURE - 20" wc
Treating 20 GPM
Sump - 21178
manhole #1 - 29515790
manhole #2 - 10646070 @ 20 GPM
MJK

9-21-04 9:45 Am
Air Preasure 25" wc
Sump - 21178
manhole #1 - 29533810
manhole #2 - 10691850
MTK

9-28-04 10:00 Am AIR PRESSURE 22" wc N.T.
Sump - 21178
manhole #1 - 29551470
manhole #2 - 10740500
MTK

10-8-04 O+G Sample from 12:25
oil water sepharator Effluent
air pressure - 24" wc
Sump - 21178
manhole #1 - 29572730
manhole #2 - 10803330 16 GPM
MTK

11:00
10-12-04, Sump - 21193
manhole #1 - 29579830
manhole # 2 - 10826210
AIR PRESSURE 24" wc N.T.
MTK

10-19-04 STRIPPER SHUT DOWN
FOR CLEANING
DISMANTLED AND CLEANED
10-19-04 — 10-22-04
Sump - 21193
manhole #1 - 29592830
manhole #2 - 10867180

10-22-04 RESTART AIR STRIPPER 8:30

10:30 Sump - 21264 0
manhole #1 - 29599230
manhole #2 - 10868310 Treating 20 GPM
AIR PRESSURE SET at 11" wc
@ 20 GPM AIR PRESSURE 17" wc

1:00

10-25-04 SHUT Down o.i
WATER SEPARATOR for WINTER
AIR STRIPPER IN Low
AIR ALARM - TUBING To MAGNEHELIC
SLIT - REPLACED AND RESTARTED
AIR PRESSURE 19"wc
TREATING 150 GPM
Sump - 212640
manhole #1 - 29601530 @ 120 GPM
manhole #2 - 10871740 @ 20 GPM
ADJUSTED manhole #1 FLOW to 90 GPM
MJK

11-1-04 12:30 air 12"wc
Sump 212640
manhole #1 - 29622740
manhole #2 - 10929040
cleaning up area
MJK

11-5-04 air - 12"wc
Sump - 212900
manhole #1 - 29633740
manhole #2 - 10958190
cleaning up area
MJK

11-12-04
air pressure 14"wc
Sump - 212900
manhole #1 - 29655570
manhole #2 - 11010900
ADJUSTED AIR INTAKE
To 12"wc NOT TREATING WATER
MJK

11-19-04 AIR 12" wc NT
Sump 212900
manhole #1 - 29661020
manhole #2 - 11063050
MJK

11-23-04 1:00 AIR 12"wc
Sump 21290
manhole #1 - 29681100
manhole #2 - 11079500 @ 150 gpm
MJK

10:30

12-3-04 AIR - 14" wc @ 13 GPM
Sump - 21290
manhole #1 - 29740370
manhole #2 - 11186750 @ 13 GPM

Took samples of STRIPPER
cleaning waste 3 DRUMS
M3K

12-10-04 10:40 air Pressure 14" wc
at 12 GPM
Sump - 21290
manhole #1 - 29777900
manhole #2 - 11257210 @ 12 GPM

M3K

12-17-04 AIR Pressure 14" Treating 10 GPM
Sump - 21290
manhole #1 - 29826590
manhole #2 - 11336420 @ 10 GPM
M3K

12-22-04
AIR - 14" Treating 10 GPM
Sump - 21290
manhole #1 - 29843780
manhole #2 - 11371350
SHUT DOWN STRIPPER To inspect
TRAYS
RESTARTED STRIPPER + pumps M3K
1/8" To 1/4" Build up of IRON / Lime Sediment
ABOUT 1/4 of Holes STARTING To PLUG
M3K

12-29-04 11:45
air pressure - 13" wc NOT TREATING
SUMP - 21290
manhole #1 - 29867240
manhole #2 - 11418150
M3K

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
MEK

1-10-05 Replaced
STRIPPER DEMISTER ON
AIR OUT LET DISCHARGE
MEK

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

1-19-05
air pressure 14" WC
SUMP - 21334
MANHOLE #1 - 29967760
MANHOLE #2 - 11493770
MEK

1-26-05 air pressure 16" WC
SUMP - 21334
MANHOLE #1 - 29987800
MANHOLE #2 - 11497890
ADJUSTED AIR TO 14" WC MEK

2-2-05 air pressure 16" WC
SUMP - 21334
MANHOLE #1 - 30003660
MANHOLE #2 - 11497970
Cleaned FLOW METER ~~MEK~~
ON MANHOLE #2 METER PLUGGED
WITH IRON DEPOSITS
MEK.