Strategic Environmental Management, Inc.

September 16, 2003

Timothy I. DiGiulio, P.E.
New York State Department of Environmental Conservation
Solid & Hazardous Materials-Region 7
615 Erie Boulevard West
Syracuse, New York 13202

Reference: Groundwater Recovery and Treatment System Operation, Monitoring, and Maintenance Summary-August 2003
Former Northeast Environmental Services, Inc. Site
Canal Road, Town of Lenox, New York
NYSDEC Spill No. 01-60024/PIN No. H-0529
SEM File: 3003.050.08.03

Dear Mr. DiGiulio:

The following provides a summary of operation, monitoring, and maintenance activities conducted by our firm in connection with the above-referenced project since our last monthly summary report dated August 22, 2003. This also serves to present the results of effluent monitoring conducted at Outfall 001A, pursuant to the requirements of the existing State Pollutant Discharge Elimination System (SPDES) Permit.

Maintenance and Repairs

In general, the routine maintenance activities that have been conducted by SEM since the issuance of the last monthly summary report have included weekly system inspection, data collection, and backflushing of the four carbon filters.

The carbon within the four carbon filters was backflushed during each weekly site visit by SEM personnel to remove accumulated mineral deposits and sediments. The backflushed water and mineral deposits were placed in four 55-gallon settling drums. The deposits were allowed to settle out of suspension and the clear liquid was transferred to the air stripper via a portable submersible pump during the following weekly site visit.

A log of magnehelic readings for the air stripper that have been recorded during the month of August is presented below. The magnehelic gauge measures the air pressure in the air stripper sump where the fresh influent air is introduced. As the trays become fouled with mineral deposits, the air pressure has been observed to rise due to the restricted air flow through the diffusion trays. As a point of reference, upon start-up of the system after the last

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physical/manual cleaning event (June 4, 2003), the sump pressure was measured at 9.75 inches of water column (w.c.).

Tabulation of Magnehelic Readings

Date	Magnehelic Reading (" w.c.)
8/5/03	13.5
8/13/03	13.6
8/19/03	14.25
8/26/03	14.5

During the month of August, a decrease in the flow through the air stripper from the recovery wells was observed, and appeared to have been resultant of periodic interruption of the influent pump operation due to high water level within the air stripper sump. During this same period, an increase in back pressure from the carbon filter units was noted in the system, suggesting that a restriction of water flow through the carbon filters was decreasing the rate of transfer of water from the air stripper sump, causing intermittent backups of water in the air stripper. Backflushing of the carbon filters also revealed significant amounts of iron precipitate and suspected iron-bacterial mass. Over time, the backflushing process became less effective in reducing system pressures.

Given that the above-described observations suggested that the carbon filters had been significantly fouled by iron precipitate and iron-bacteria colonies, the carbon within the filters, as well as the filter screens, were removed and replaced on August 8, 2003. Following the carbon/screen replacement, a decrease in system discharge pressure was observed, and flow through the air stripper from the influent pumps has remained continual since that time, without periodic interruption by high water levels in the air stripper sump.

Precipitate Control Pilot Study

In addition to the routine system maintenance activities, a pilot study was initiated on June 10, 2003 to investigate the effectiveness of "Super Iron Out" solution in removing iron precipitate that had accumulated on the interior trays of the air stripper unit. The scope of the pilot study was as described in SEM's correspondence of May 8, 2003, and generally consisted of the recirculation of "Super Iron Out" solution within and through the air stripper and the discharge pump that serves to transfer water from the air stripper sump to the carbon filters, and ultimately to the system outfall. "Super Iron Out" is a commercially available product commonly employed in the plumbing and heating industry to remove iron precipitate from heating system piping.

As a means of recirulating the Iron Out solution through the air stripper without the solution being transferred to the carbon filters or system outfall, the plumbing on the discharge side of the air stripper was modified. The modification included the installation of control valves and piping that would divert flow from the air stripper discharge pump back into the upper tray

of the air stripper, rather than through the carbon filters. After entering the upper tray of the air stripper, the solution would flow downward through the various trays of the air stripper and into the lower sump of the unit. The air stripper discharge pump would in turn transfer the solution back into the unit's upper tray. During this period of recirculation, groundwater recovery from the two (2) site recovery wells (RW-1 and WP-5) was suspended.

The air stripper was disassembled and mechanically cleaned on June 4, 2003, prior to the initial application of the Super Iron Out product, to remove loose scale. The solution was allowed to recirculate through the air stripper trays and discharge pump from June 10 through June 12. On June, 12, the solution was removed from the air stripper sump and placed in 55-gallon barrels at the site, and the interior of the air stripper was rinsed thoroughly with treated groundwater that had previously been recovered from the site recovery wells, treated through the air stripping, and utilized to backflush the carbon filters. This treated groundwater had been contained in settling barrels after the prior backflush event, allowing the iron precipitate and solids removed from the carbon filters to settle out of suspension. The clear water was decanted from the settling barrels and used to rinse the residual Iron Out from the air stripper unit.

After the recirculation process was terminated, a considerable volume of solids were present in the air stripper sump, suggesting that the Iron Out solution was at least somewhat successful in removing residual precipitate/scale from the air stripper trays.

The air pressure readings indicated by the magnehelic gauge on the stripper unit have been monitored since the initial Iron Out application. The internal air pressure gradually increased from 10.5 inches of water column following the recirculation on June 12, 2003, to 13.5 inches of water column on August 5, 2003, indicating a restriction of air flow through the trays as a result of iron/mineral deposition. Based on this, a second application of Super Iron Out was performed on August 5, in a manner generally consistent with that employed during the first application. The solution was recirculated through the air stripper system from that date until August 11. Upon terminating the recirculation procedure and removal of the Iron Out solution from the sump, approximately two (2) to three (3) inches of sediment was present in the bottom of the sump. This material was removed from the air stripper prior to restarting the unit. Following the second application of the Iron Out solution, the magnehelic gauge on the air stripper indicated an internal air pressure of 13.25 inches of water column.

Based on the presence of the solids/sediments within the air stripper sump following each application of the Iron Out solution, it appears that the solution was successful in removing some degree of scale from the air stripper trays; however, the magnehelic gauge readings recorded since the initial application indicate that the process was not successful in restoring air flow to the condition achieved by manual cleaning. These observations would suggest that the use of the Iron Out product may reduce the frequency at which manual cleaning is necessary, but may not be effective in eliminating the need for the manual cleaning.

During the visit of August 26, 2003, a magnehelic gauge reading of 14.5 inches of water column was observed. Coincident with this reading a concentration of 1.5 ppb of Toluene was reported for the discharge from the air stripper unit. The Toluene contamination was apparently removed by the GAC system and VOCs were not reported for the discharge sample collected

from outfall O1A. Due to the elevated magnehelic reading observed from the air stripper sump and the reported presence of VOCs in the air stripper discharge, SEM has contacted Op-Tech to schedule disassembly of the air stripper and cleaning of the air stripper trays. This task is scheduled to be completed during the week ending September 14, 2003.

Sampling and Analysis/Operational Monitoring

Weekly monitoring samples are collected from several points of the groundwater recovery and treatment system. Discrete samples are collected from each of the two influent sources (RW-1 and WP5D), post-air stripper/pre-GAC filter, and the treatment system effluent (Outfall 001A).

The samples are submitted to Life Science Laboratories, Inc., of East Syracuse, New York, for analysis via EPA 601/602 methodology for volatile organic compounds (VOC). The data generated from these analyses are used to assess the contaminant level of the influent waters, the operational efficiency of the air stripper, and the VOC removal capacity of the GAC filter backup system.

The sampling was conducted on the following dates:

- Week of August 3 (August 5)
- Week of August 10 (August 13)
- Week of August 17 (August 19)
- Week of August 24 (August 26)

The results of the analyses are summarized in the table included on the following page.

Tabulation of Detected Compounds vs. SPDES Discharge Limitations
System O&M Sampling

Sampling Date	Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	**Final System Discharge (Outfall 01A)**	**SPDES Discharge Limit**
8/05/03	Ethyl Benzene	32	ND	ND	ND	10
	Toluene	680	ND	ND	ND	10
	Xylenes (total)	160	ND	ND	ND	10
	Chloroethane	5.1	15	ND	ND	30
	1,1-Dichloroethane	92	ND	ND	ND	10
	1,1-Dichloroethene	6.9	ND	ND	ND	10
	t-1,2-Dichloroethene	5.9	ND	ND	ND	30
	1,1,1-trichloroethane	62	ND	ND	ND	10
	Trichloroethene	64	ND	ND	ND	10
	Vinyl Chloride	270	58	ND	ND	50
8/13/03	Ethyl Benzene	19	ND	ND	ND	10
	Toluene	430	ND	ND	ND	10
	Xylenes (total)	110	ND	ND	ND	10
	Chloroethane	ND	10	ND	ND	30
	1,1-Dichloroethane	66	ND	ND	ND	10
	1,1-Dichloroethene	5.9	ND	ND	ND	10
	t-1,2-Dichloroethene	5.7	ND	ND	ND	30
	1,1,1-trichloroethane	49	ND	ND	ND	10
	Trichloroethene	63	ND	ND	ND	10
	Vinyl Chloride	180	43	ND	ND	50
8/19/03	Ethyl Benzene	14	ND	ND	ND	10
	Toluene	420	ND	ND	ND	10
	Xylenes (total)	99	ND	ND	ND	10
	Chloroethane	5	16	ND	ND	30
	1,1-Dichloroethane	75	ND	ND	ND	10
	1,1-Dichloroethene	5.6	ND	ND	ND	10
	t-1,2-Dichloroethene	ND	ND	ND	ND	30
	Methylene chloride	5.4**	ND	ND	ND	5
	1,1,1-trichloroethane	52	ND	ND	ND	10
	Trichloroethene	52	ND	ND	ND	10
	Vinyl Chloride	260	68	ND	ND	50
8/26/03	Ethyl Benzene	12	ND	ND	ND	10
	Toluene	370	ND	1.5	ND	10
	Xylenes (total)	84	ND	ND	ND	10
	Chloroethane	ND	14	ND	ND	30
	1,1-Dichloroethane	70	ND	ND	ND	10
	1,1-Dichloroethene	6.1	ND	ND	ND	10
	t-1,2-Dichloroethene	ND	ND	ND	ND	30
	1,1,1-trichloroethane	50	ND	ND	ND	10
	Trichloroethene	70	ND	ND	ND	10
	Vinyl Chloride	220	55	ND	ND	50

Notes: All values are in ug/L or parts-per-billion (ppb).
**=Laboratory contamination suspected.
The above table reflects only those target compounds that were detected in the various samples; all other target compounds were below the respective method detection limits.

A log of operational parameters and maintenance activities (ATTACHMENT A), and a tabulation of flow volumes vs. analysis results (ATTACHMENT B) are attached to allow convenient reference. Copies of the laboratory analysis results and sample custody documentation associated with the various sampling events are also attached.

The next monthly summary of operation, monitoring and maintenance activities will be submitted in early October. Please feel free to contact our office if you have any questions or concerns in the interim.

Respectfully,
STRATEGIC ENVIRONMENTAL MANAGEMENT, Inc.

Mark N. Graves
Project Manager

MNG/jed

Attachments
Cc: David Roth-Op-Tech Environmental Services, Inc., with attachments

Attachment A

Groundwater recovery and Treatment System Operations and Maintenance Logs

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2003
Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York
NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
January 2003						
January 3	PM	NA	NA	NA	NA	Visited site to check on GWT system operation and to collect samples for laboratory analysis. Could not access site or safely pull off road anywhere remotely near the site to walk to treatment building due to high volume of snow received during storm on this date. System inspection and sampling to occur after site access has been plowed.
January 7	0905	1297680	10 GPM	983460	6.1 GPM	GWT system operating upon arrival. Water from prior carbon backflushing event transferred to air stripper and carbon filters 1 through 4 backflushed. Rate of flow from air stripper discharge pump suggests that flow may be reduced somewhat, possibly due to iron/mineral buildup. Pump to be dismantled and inspected, and cleaned if necessary at time of next site visit. Operational monitoring and SPDES discharge samples collected.
January 14	1647	1363910	10.6 GPM	1026750	7 GPM	GWT system operating upon arrival-system operation slightly intermittent, due to high water level in air stripper sump, resulting in influent flow being occasionally interrupted for a short time. This may be indicative of decreased efficiency of air stripper discharge pump as a result of iron buildup, as encountered previously with this system. Water from prior backflush event transferred to air stripper; all four carbon filters backflushed. Filters 3 and 4 were most turbid.
January 22	1410	1427180	10 GPM	1068380	6.8 GPM	System operating intermittently upon arrival, due to buildup of water within air stripper sump-believed to be result of fouling of air stripper discharge pump and resultant reduced efficiency of pump operation. Air stripper discharge pump should be dismantled and cleaned to improve efficiency-to be scheduled. Water from prior carbon backflush event transferred to air stripper; all four carbon filters backflushed. pH of system discharge measured at 8.8 s.u.
January 27	1615	1462600	10.1 GPM	1091610	7 GPM	System operating intermittently upon arrival, due to water buildup in air stripper sump. Air stripper discharge pump disassembled-impellors and pump head components placed in "CLR" iron/mineral removal product (commercially available); pump re-assembled and re-installed following cleaning. Used "CLR" solution remains in 5-gallon pail pending arrangements for disposal. Water from prior carbon backflushing transferred to air stripper; all four carbon filters backflushed. System operating okay upon departure.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

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Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
February 2003						
02/03/03	NA	NA	NA	NA	NA	Air stripper disassembled and cleaned by high-pressure water, and carbon within carbon filters replaced by Op-Tech.
02/04/03	1707	1511070	10 GPM	1123840	7 GPM	System operating fine upon arrival. pH of final discharge = 8.6 s.u.
02/11/03	1525	1543920	10.2 GPM	1147150	6.8 GPM	System operating intermittently upon arrival due to buildup of water within the air stripper sump. Combined influent flow continues to exceed rate of transfer from air stripper to carbon filters by the discharge pump. Pump rate of air stripper transfer pump is very slow: approx. 5.5 to 6 GPM. Piping between pump and carbon filters contains some iron buildup, but remains relatively open. Water from prior carbon backflush event transferred to air stripper; all four carbon filters backflushed.
02/20/03	1550	1607960	10 GPM	1190810	6.5 GPM	System operating intermittently upon arrival due to buildup of water within the air stripper sump. Combined influent flow continues to exceed rate of transfer from air stripper to carbon filters by the discharge pump. Pump rate of air stripper transfer pump is very slow. Water from prior carbon backflush event transferred to air stripper; all four carbon filters backflushed. pH of final discharge = 8.0 s.u.
02/27/03	0842	1653430	10 GPM	1222500	6.5 GPM	System operating intermittently upon arrival due to buildup of water within the air stripper sump. Combined influent flow continues to exceed rate of transfer from air stripper to carbon filters by the discharge pump. Pump rate of air stripper transfer pump is very slow. Water from prior carbon backflush event transferred to air stripper; all four carbon filters backflushed.
March 2003						
3/7/03	0807	1697690	10 GPM	1256640	6.5	System operating intermittently upon arrival due to buidlup of water in air stripper sump. Water from prior backflush event transferred from settling drums to air stripper. All four carbon filters backflushed. Collected monitoring samples.
3/13/03	1150	1697710 0(new flowmeter)	11 GPM	1279290	6.5	Replaced RW-1 flow totalizer; Air stripper discharge pump disassembled and cleaned; carbon filters backflushed; collected monitoring samples. Ordered replacement pump impellers.
3/19/03	0937	72244	11 GPM	1321946	6.6	System operating upon arrival. Backflushed all four carbon filters, collected monitoring samples.

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Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
3/31/03	NR	NR	NR	NR	NR	SEM personnel on site to inspect air stripper, observed obstruction of air exchange perforations, scheduled Op-Tech for more aggressive cleaning, system not restarted due to high operating pressures.
April 2003						
4/4/03	1512	148120	11 GPM	1369510	6.75 GPM	Dissassembled air stripper and manually scrapped trays, reamed out air perforation holes, and removed residue from stripper sump. Cleaned residue from floor sump, backflushed all four carbon filters, collected weekly monitoring samples. Magnehelic gauge=11.5 in. WC. upon restart of system.
4/10/03	1104	236050	11 GPM	1417226	6.5 GPM	System operating upon arrival, pumped settling drums to air stripper, backflushed all 4 carbon filters.
4/15/03	1105	313060	11 GPM	1417227	NA	System operating upon arrival; floor wet; carbon drums dripping. Shut off ball valve from backflush hose of drum #2 overflowing settling drum. Collected monitoring samples including pH (from 001A). Magnehelic gauge=12 in. WC. Flow meter for WP-5D was not functioning.
4/23/03	1000	430810	10.5 GPM	1417227	NA	Two to three inches of water on floor of shed upon arrival, two valves leaking in first set of carbon drums and drums leaking at flanges. Flow meter for WP-5D was not functioning, tapped on meter to clear sediment. Magnehelic gauge=13.5 in. WC.
4/30/03	1030	531876	10 GPM	1417589	6.3 GPM	System operating upon arrival, significant water accumulation (2 in.) on floor-cleaned up with sump pump-due to leak from ball valve on drum #1 back flow valve (1 ½") Pumped out settling drums; collected monitoring data, samples and backflushed carbon filters. Magnehelic gauge=14 in. WC. Flow meter WP-5D functioning.
May 2003						
5/7/03	1055	631080	9.7 GPM	1480660	6.2 GPM	Two (2) inches of water accumulated on floor of treatment shed due to overflow of settling drums-leakage through backflush BV of drum #1-1 3/8 inch hose. Collected all data/samples; pumped out settling drums; backflushed carbon filters. Magnehelic gauge=14.5 in. WC.
5/13/03	937	711960	10.0 GPM	1533430	5.5 GPM	Pumped out settling drums and floor sump; backflushed all four carbon filters; recorded system data (O&M); Recorded carbon filter layout for schematic; system monitoring samples collected by C. Bradford while doing quarterly sampling of monitoring wells. Magnehelic gauge=14.75 in. WC.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

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Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
5/20/03	1505	809620	10.5 GPM	1596070	6.5 GPM	System operating upon arrival; floor only wet in rear room from drum overflow due to leak in backflush valve drum #1; collected system monitoring samples; pumped out floor sump and settling drums; backflushed carbon drums. Magnehelic gauge=14.75 in. WC.
5/28/03	944	917270	10.5 GPM	1663150	6.4 GPM	System operating upon arrival; pumped out floor sump; collected system data and samples, pumped out settling drums; backflushed GAC filters. Magnehelic=15.0 in. WC.
June 2003						
6/05/03	1345	1023950	10.2 GPM	1731060	6.2 GPM	Stripper cleaned June 4, 2003 by Op-Tech. System operating upon arrival, some water over top of floor sump-pumped out. Collected weekly monitoring data and samples; pumped out settling drums, backflushed carbon filters. Modified plumbing of air stripper discharge line. Magnehelic=9.75 in. WC.
6/10/03	1430	1026220	10.2 GPM	1732520	6.2 GPM	System operating upon arrival; backflushed carbons; collected system data and monitoring samples. Completed plumbing alterations, removed water from stripper sump. Mixed up Super-Iron Out in 55 gal. Drums-Added to air stripper via plumbing circuit to injection nozzle for WP-5D in top tray. Magnehelic=10.5 in. WC
6/12/03	1930	1027440	10.2 GPM	1733310	6.2 GPM	Completed plumbing modifications. System operational-recirculating 'Super-Iron Out Cleaning Agent', Pump out Iron out from stripper sump and rinse into 55 gal. Drum (3 drums full) pumped out settling drums and backflushed filters. Replace two air bleeder valves-one clogged with iron (#4) and one not closing off (#1). Repair leak in supply pipe at fittings (new). Collected O&M data and samples. Magnehelic=10.5 in. WC
6/19/03	1105	1081590	10.2 GPM	1768459	6.2 GPM	System operating upon arrival. Floor wet in vicinity of drum 1&2 due to leak around flange and condensation. Pumped out floor sump. Collected weekly system data and monitoring samples. Backflush carbon filters. Magnehelic=10.75 in. WC.
6/26/03	1830	1177430	10.2 GPM	1831787.5	6.2 GPM	System operating upon arrival, some water on floor-sump full probably due to condensation and leaks of GAC filter flanges. Collected system samples and operating data. Pumped out settling drums and backflushed carbons-Heavy iron in backflush supply water-Bleed off pressure by cracking open recirculation valve to reduce pressure to 50 psi. Magnehelic=11.25 in WC.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

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Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
July 2003						
7/02/03	1530	1205100	10.2 GPM	1848480	6.2 GPM	System operating upon arrival. High water level light on, discharge pump running at 75 psi-suspect air in line. Collected monitoring samples and data-no flow at out fall port. Pumped out settling drums. Backflushed carbon filters 1 through 4, got high back pressure drum #1 and large clump of carbon media was dislodged, then pressure dropped. Collected sample from spent Iron Out solution drum for pH analysis. Repositioned hoses between drums to loop down to prevent air trap, got better flow at out fall sample port.
7/08/03	1355	1235617	10.0 GPM	1866401	6.0 GPM	System operating upon arrival. System in high water level condition, discharged pump running at 70 psi-checked discharge line at ditch, flow was less than 5 GPM. Pumped out settling drums. Backflushed carbons 1, 2 & 4-Filtration media seen in backflush water from drum #1. Drum #2 difficult to backflush-screen apparently clogged with bacterial mass. Transferred Iron Out to plastic drum.
7/15/03	1330	1294701	10.2 GPM	1900791	6.2 GPM	System operating upon arrival. Collected O&M data and samples. Pumped out settling drum and backflushed carbons 1 & 4. Pressure high-screens clogged?
7/22/03	1030	1333100	10.1 GPM	1922070	6.1 GPM	Collected weekly O&M data, pumped out settling drums. Backflushed carbons 1 and 4 with extra volume (2X), pressure still high-suspect clogged screen in filters. Microbial slime noted in hose between filter 3&4. Also high iron discharge from port after AS when sampling.
7/29/03	1340	1366071	10.2 GPM	1940468	6.1 GPM	System operating upon arrival, water accumulated on floor due to drips from flanges on carbon filters. Collected O&M data and samples. Pumped out settling drums. Backflushed carbon filters 1, 3 & 4.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

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Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
August 2003						
8/05/03	1310	1392543	10.2 GPM	1955001	6.1 GPM	System running at high pressure upon arrival; inlet pumps running intermittently as system sump highlevel light is on. Called Op-Tech to schedule carbon filter media change and replace filter screens. Collected O&M data and samples, pumped out settling drums to AS. Pumped out stripper sump to settling drums. Mixed up remainder of Super Iron out and added 55 gal. Mix to AS. Brought level in sump up with 75 gal from settling drums. Approx. 40 gal. Additional spent SIO mix from previous cleaning event. Let system recirculate mixture with blower off to prevent evaporation.
8/08/03						System not operating due to recirculation of Super Iron out solution. Op-Tech on site breaking down carbon filters (Rob Notaro & Cary Bustin) with vac truck and hand tools. Building very warm inside. Discharge pump body warm-shut off. Turned on ventilation fan in building. High water level light on after water dripped through trays. Called Tim DiGiulio regarding tractors. Power brown out occurred in afternoon. Lost lights, fan, pump. Replaced screen filters, put in new carbon rest lids. Left blower running with inlet pumps on for makeup water.
8/11/03	1600	1392980	10.2 GPM	1955210	6.2 GPM	System in recirculation mode for treatment with Super Iron Out. Carbon filters were rebuilt and fresh media added August 8. The filters were filled with water to allow the new media to degas. Cleaned with Super Iron Out solution. Vacuumed out 2-3 inches of precipitation from stripper sump. Replaced broken 1" ball valve in recirculation circuit. Reconfigured discharge sample port for 01A. Bled air from filters. Observed full pipe flow at outlet to ditch. Vacuum out sediment from bottom of air stripper with drum vacuum. Magnehelic=13.25 in. w.c.
8/13/03	1239	1420900	10.3 GPM	1972630	6.8 GPM	System operating continuously without interruption by high water shut off. Some water on floor of building-very significant condensation on all equipment and piping due to high ambient humidity. Flow through carbons appears to be much improved after changing of carbon and internal piping/screens. Visited interior of main building to plan logistics and scope of source area investigation and remediation effort.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

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Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
August 2003						
8/19/03	1030	15042507	10.1 GPM	2024160	6.1 GPM	System operating upon arrival. Floor wet due to condensation and leakage around filter flanges. Noted leak at coupling of exterior drainage lines-tightened but still slow leak. Tightened flange bolts on all filter canisters. Backflushed carbon drums. Collected O&M data and samples.
8/26/03	755	1609710	10.2 GPM	2083870	6.2 GPM	System Operating upon arrival; pumped out floor sump-floor wet from condensation. Collected O&M data and samples. GAC System operating at high discharge pressure. Pump out settling drums and back flush filters.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

Attachment B

Tabulation of Flow Volumes vs. Analysis Results

ATTACHMENT B
Tabulation of Flow Volumes vs. Analysis Results
Groundwater Recovery and Treatment System Operations and Maintenance Monitoring
Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York
NYSDEC Spill No. 01-60024/PIN No. H-0529

		Flow Totalizer Readings				Analysis Results-Total VOC (ppb)				
Date	**Time**	**RW-1**	**Δ**	**WP-5D**	**Δ**	**RW-1 Inf.**	**WP-5D Inf.**	**AS Discharge (Pre-Carbon)**	**Final Discharge (OUTFALL 001A)**	**Cumulative Gallons (RW-1 and WP-5D)**
7/18/02	**Carbon in filters 1,2,3 and 4 replaced by Op-Tech**									
7/31/02	**Air Stripper Dismantled and Cleaned(by Op-Tech)**									
7/31/02	1515	252830	NA	342370	NA	NS	NS	NS	NS	
7/31-8/9/02	***System operation limited to RW-1 only, due to problems with operation of pump for WP-5D***									
8/9-8/19/02	***System operating with both pumps in operation. Trouble with operation of air stripper discharge pump due to significant fouling of discharge pump and piping.***									
8/19-8/28/02	***System down to replace plumbing and repair air stripper discharge pump.***									
8/9/02	1540	331300	78,470	342540	170	541.9	69	ND	ND	78,640
8/28/02	1720	375440	122,610	366760	24,390	1,432.4	67	ND	ND	147,000
9/6/02	1445	NR	NA	NR	NA	748	65	ND	ND	NA
9/17/02	1231	576220	323,390	475670	133,300	136	61	ND	ND	456,690
9/24/02	1935	653200	400,370	516400	174,030	NA	72	ND	ND	574,400
10/1/02	1000	704020	451,190	544040	201,670	654	80	20	ND	652,860
10/8/02	1100	758400	505,570	575840	233,470	1,093	70.8	ND	ND	739,040
10/23/02	1206	914680	661,850	670670	328,300	1,127	59	61.6	47	990,150
11/4/02	1252	967510	714,680	703400	361,030	1,208.1	73	268.9	73	1,075,710
11/6/02	**Air stripper dismantled and cleaned, and carbon in filters 1,2,3 and 4 changed (by Op-Tech).**									
11/12/02	1345	991750	24,240*	746460	43,060	219.6	69	ND	ND	67,300
11/18/02	1337	991750*	UNK*	776690	73,290	1,547.9	62.2	7.8	ND	UNK*
11/27/02	1540	1051970	84,460*	819600	116,200	1,516.7	60.5	33	4.1	200,660
12/3/02	1840	1102720	135,210*	854110	150,710	779	74	133.1	63.1	285,920
12/12/02	1354	1178370	210,860*	903950	200,550	884.5	55	173	20.4	441,410
12/17/02	*System shut down based on results of analyses performed on samples collected on December 3.*									
12/20/02	**Air stripper dismantled and cleaned, and carbon within filters 1-4 changed by Op-Tech; unable to re-start system due to frozen effluent piping.**									
12/30/02	*GWT system effluent piping replaced and system re-started.*									
1/7/03	0905	1297680	119,310	983460	79,510	1,091.3	74	60.9	ND	198,820

ATTACHMENT B
Tabulation of Flow Volumes vs. Analysis Results
Groundwater Recovery and Treatment System Operations and Maintenance Monitoring
Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York
NYSDEC Spill No. 01-60024/PIN No. H-0529

		Flow Totalizer Readings				Analysis Results-Total VOC (ppb)				
Date	**Time**	**RW-1**	**Δ**	**WP-5D**	**Δ**	**RW-1 Inf.**	**WP-5D Inf.**	**AS Discharge (Pre-Carbon)**	**Final Discharge (OUTFALL 001A)**	**Cumulative Gallons (RW-1 and WP-5D)**
1/14/03	1647	1363910	185,540	1026750	122,800	399	65	144.1	15.5	308,340
1/22/03	1410	1427180	248,810	1068380	164,430	1,120.6	77	363.8	38.3	413,240
1/27/03	1615	1462600	284,230	1091610	187,660	799	65	282.1	39.8	471,890
02/03/03	**Air stripper dismantled and cleaned, and carbon in filters 1,2,3 and 4 changed (by Op-Tech).**									
2/04/03	1707	1511070	NA	1123840	NA	718.1	72	73.1	ND	NA
2/11/03	1525	1543920	32,850	1147150	23,310	1,329.5	70	45	8.5	56,160
2/20/03	1550	1607960	96,890	1190810	66,970	858	72	5.6	ND	163,860
2/27/03	0842	1653430	142,360	1222500	98,660	1,187.7	82	2.2	ND	241,020
3/7/03	0807	1697690	186,620	1256640	132,800	1,092.8	68	16.5	1.2	319,420
3/13/03	1155	1697710**	UNK**	1279290	155,450	769.4	66	116.1	15.7	UNK**
3/19/03	0938	72245	UNK**	1321947	198,107	960.2	72	85.9	38	UNK**
3/31/03	**Air stripper shut down for cleaning.**									
4/04/03	1512	148120	NA	1369510	NA	515.4	53	ND	ND	NA
4/10/03	1104	236050	87,930	1417227	47,717	785.4	51	ND	ND	135,647
4/15/03	1105	313060	164,940	1417227	NA	628.4	59	ND	ND	164,940
4/23/03	1000	430810	282,690	1417227	NA	304.3	66	ND	ND	282,690
4/30/03	1030	531876	383,756	1417589	48,079	668.7	69	ND	ND	431,835
5/07/03	1055	631080	482,960	1480660	111,150	896.8	83	ND	ND	594,110
5/13/03	937	711960	563,840	1533430	163,920	736.7	101	ND	ND	727,760
5/20/03	1505	809620	661,500	1596070	226,560	504.8	77	1.4	1.6	888,060
5/28/03	0944	917270	769,150	1663150	293,640	605	74	8.9	8.3	1,062,790
6/4/03	**Air stripper shut down for cleaning**									
6/05/03	1345	1023950	NA	1731060	NA	748.6	112	ND	ND	NA
6/10/03	1430	1026220	2,270	1732520	1,460	No sampling				3,730

ATTACHMENT B
Tabulation of Flow Volumes vs. Analysis Results
Groundwater Recovery and Treatment System Operations and Maintenance Monitoring
Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York
NYSDEC Spill No. 01-60024/PIN No. H-0529

		Flow Totalizer Readings				Analysis Results-Total VOC (ppb)				
Date	**Time**	**RW-1**	**Δ**	**WP-5D**	**Δ**	**RW-1 Inf.**	**WP-5D Inf.**	**AS Discharge (Pre-Carbon)**	**Final Discharge (OUTFALL 001A)**	**Cumulative Gallons (RW-1 and WP-5D)**
6/12/03	1930	1027440	3,490	1733310	2,250	869.6	98	ND	ND	5,740
6/19/03	1105	1081590	57,640	1768459	37,399	960	85	ND	ND	95,039
6/26/03	1830	1177430	153,480	1831788	100,728	685.5	63	ND	ND	254,208
7/2/03	1530	1205100	181,150	1848480	117,420	1,161.1	79	ND	ND	298,570
7/8/03	1355	1235617	211,667	1866401	135,341	808.8	67	ND	ND	347,008
7/15/03	1330	1294704	270,754	1900791	169,731	583.6	58	ND	ND	440,485
7/22/03	1030	1333100	309,150	1922070	191,010	1,069.3	64.9	ND	ND	500,160
7/29/03	1340	1366071	342,121	1940468	209,408	1,172.3	69	ND	ND	551,529
8/05/03	1310	1392543	368,593	1955001	223,941	1,377.9	73	ND	ND	602,534
8/08/03-8/11/03	**Air stripper shut down for cleaning and carbon media change out.**									
8/11/03	1600	1392980	NA	1955210	NA	*No samples taken*				NA
8/13/03	1239	1420900	27,920	1972630	17,420	928.6	53	ND	ND	45,340
8/19/03	1030	1504250	111,270	2024160	68,950	988$^{\Psi}$	84	ND	ND	180,220
8/26/03	755	1609710	216,730	2083870	128,660	882.1	69	1.5	ND	345,390

NOTES: -Δ indicates number of gallons recovered from respective well since the air stripper was last cleaned.
-NR=Not Recorded NA=Not Applicable
-ND=None Detected ppb=Pars per billion (ug/L)
-Cumulative gallons column reflects sum total of water volumes recovered from both wells since the prior air stripper cleaning.
-* Flow meter/totalizer for RW-1 was clogged and not recording flow-discovered and remedied on 11/18/02;actual flow for this period unknown. Subsequent total flows between this period and the December 20 air stripper cleaning may not be representative.
-Sample of influent from RW-1 not available on September 24, 2002 due to broken sampling port-port subsequently replaced.
** Flow meter/totalizer for RW-1 was not operating during the March 13, 2003 visit, the flow meter/totalizer was replaced; actual flow for this period is unknown. Subsequent total flows between this period and the March 31, 2003 air stripper cleaning may not be representative.
Ψ Laboratory contamination suspected at a level of 5.4 ug/L for compound Methylene chloride on the August 19, 2003 sampling event.

Attachment C

Laboratory Analysis Results and Chain of Custody Documentation

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Influent-WP-5D **LSL Sample ID:** 0311948-001

Location: NES

Sampled: 08/05/03 13:20 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/10/03	BD
Chlorobenzene	<1	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/10/03	BD
Ethyl benzene	<1	ug/l		8/10/03	BD
MTBE	<1	ug/l		8/10/03	BD
Toluene	<1	ug/l		8/10/03	BD
Xylenes (Total)	<1	ug/l		8/10/03	BD
t-Butyl alcohol	<200	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	100	%R		8/10/03	BD
Surrogate (Tol-d8)	120	%R		8/10/03	BD
Surrogate (4-BFB)	117	%R		8/10/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/10/03	BD
Bromoform	<1	ug/l		8/10/03	BD
Bromomethane	<1	ug/l		8/10/03	BD
Carbon tetrachloride	<1	ug/l		8/10/03	BD
Chlorobenzene	<1	ug/l		8/10/03	BD
Chloroethane	15	ug/l		8/10/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/10/03	BD
Chloroform	<1	ug/l		8/10/03	BD
Chloromethane	<1	ug/l		8/10/03	BD
Dibromochloromethane	<1	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/10/03	BD
Dichlorodifluoromethane	<1	ug/l		8/10/03	BD
1,1-Dichloroethane	<1	ug/l		8/10/03	BD
1,2-Dichloroethane	<1	ug/l		8/10/03	BD
1,1-Dichloroethene	<1	ug/l		8/10/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/10/03	BD
1,2-Dichloropropane	<1	ug/l		8/10/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/10/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/10/03	BD
Methylene chloride	<1	ug/l		8/10/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/10/03	BD
Tetrachloroethene	<1	ug/l		8/10/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/10/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/10/03	BD
Trichloroethene	<1	ug/l		8/10/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/10/03	BD
Vinyl chloride	58	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	100	%R		8/10/03	BD
Surrogate (Tol-d8)	120	%R		8/10/03	BD
Surrogate (4-BFB)	117	%R		8/10/03	BD

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Influent RW-1 **LSL Sample ID:** 0311948-002
Location: NES
Sampled: 08/05/03 13:25 **Sampled By:** MG
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<5	ug/l		8/10/03	BD
Chlorobenzene	<5	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<5	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<5	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<5	ug/l		8/10/03	BD
Ethyl benzene	32	ug/l		8/10/03	BD
MTBE	<5	ug/l		8/10/03	BD
Toluene	680	ug/l		8/10/03	BD
Xylenes (Total)	160	ug/l		8/10/03	BD
t-Butyl alcohol	<1000	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	105	%R		8/10/03	BD
Surrogate (Tol-d8)	109	%R		8/10/03	BD
Surrogate (4-BFB)	115	%R		8/10/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		8/10/03	BD
Bromoform	<5	ug/l		8/10/03	BD
Bromomethane	<5	ug/l		8/10/03	BD
Carbon tetrachloride	<5	ug/l		8/10/03	BD
Chlorobenzene	<5	ug/l		8/10/03	BD
Chloroethane	5.1	ug/l		8/10/03	BD
2-Chloroethylvinyl ether	<50	ug/l		8/10/03	BD
Chloroform	<5	ug/l		8/10/03	BD
Chloromethane	<5	ug/l		8/10/03	BD
Dibromochloromethane	<5	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<5	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<5	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<5	ug/l		8/10/03	BD
Dichlorodifluoromethane	<5	ug/l		8/10/03	BD
1,1-Dichloroethane	92	ug/l		8/10/03	BD
1,2-Dichloroethane	<5	ug/l		8/10/03	BD
1,1-Dichloroethene	6.9	ug/l		8/10/03	BD
trans-1,2-Dichloroethene	5.9	ug/l		8/10/03	BD
1,2-Dichloropropane	<5	ug/l		8/10/03	BD
cis-1,3-Dichloropropene	<5	ug/l		8/10/03	BD
trans-1,3-Dichloropropene	<5	ug/l		8/10/03	BD
Methylene chloride	<5	ug/l		8/10/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		8/10/03	BD
Tetrachloroethene	<5	ug/l		8/10/03	BD
1,1,1-Trichloroethane	62	ug/l		8/10/03	BD
1,1,2-Trichloroethane	<5	ug/l		8/10/03	BD
Trichloroethene	64	ug/l		8/10/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		8/10/03	BD
Vinyl chloride	270	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	105	%R		8/10/03	BD
Surrogate (Tol-d8)	109	%R		8/10/03	BD
Surrogate (4-BFB)	115	%R		8/10/03	BD

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Post-Air Stripper (Pre-Carbon) **LSL Sample ID:** 0311948-003

Location: NES

Sampled: 08/05/03 13:25 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/10/03	BD
Chlorobenzene	<1	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/10/03	BD
Ethyl benzene	<1	ug/l		8/10/03	BD
MTBE	<1	ug/l		8/10/03	BD
Toluene	<1	ug/l		8/10/03	BD
Xylenes (Total)	<1	ug/l		8/10/03	BD
t-Butyl alcohol	<200	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	104	%R		8/10/03	BD
Surrogate (Tol-d8)	117	%R		8/10/03	BD
Surrogate (4-BFB)	117	%R		8/10/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/10/03	BD
Bromoform	<1	ug/l		8/10/03	BD
Bromomethane	<1	ug/l		8/10/03	BD
Carbon tetrachloride	<1	ug/l		8/10/03	BD
Chlorobenzene	<1	ug/l		8/10/03	BD
Chloroethane	<1	ug/l		8/10/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/10/03	BD
Chloroform	<1	ug/l		8/10/03	BD
Chloromethane	<1	ug/l		8/10/03	BD
Dibromochloromethane	<1	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/10/03	BD
Dichlorodifluoromethane	<1	ug/l		8/10/03	BD
1,1-Dichloroethane	<1	ug/l		8/10/03	BD
1,2-Dichloroethane	<1	ug/l		8/10/03	BD
1,1-Dichloroethene	<1	ug/l		8/10/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/10/03	BD
1,2-Dichloropropane	<1	ug/l		8/10/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/10/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/10/03	BD
Methylene chloride	<1	ug/l		8/10/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/10/03	BD
Tetrachloroethene	<1	ug/l		8/10/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/10/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/10/03	BD
Trichloroethene	<1	ug/l		8/10/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/10/03	BD
Vinyl chloride	<1	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	104	%R		8/10/03	BD
Surrogate (Tol-d8)	117	%R		8/10/03	BD
Surrogate (4-BFB)	117	%R		8/10/03	BD

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Final GWT System Discharge (Outfall 01A) **LSL Sample ID:** 0311948-004

Location: NES

Sampled: 08/05/03 13:10 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/10/03	BD
Chlorobenzene	<1	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/10/03	BD
Ethyl benzene	<1	ug/l		8/10/03	BD
MTBE	<1	ug/l		8/10/03	BD
Toluene	<1	ug/l		8/10/03	BD
Xylenes (Total)	<1	ug/l		8/10/03	BD
t-Butyl alcohol	<200	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	104	%R		8/10/03	BD
Surrogate (Tol-d8)	120	%R		8/10/03	BD
Surrogate (4-BFB)	116	%R		8/10/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/10/03	BD
Bromoform	<1	ug/l		8/10/03	BD
Bromomethane	<1	ug/l		8/10/03	BD
Carbon tetrachloride	<1	ug/l		8/10/03	BD
Chlorobenzene	<1	ug/l		8/10/03	BD
Chloroethane	<1	ug/l		8/10/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/10/03	BD
Chloroform	<1	ug/l		8/10/03	BD
Chloromethane	<1	ug/l		8/10/03	BD
Dibromochloromethane	<1	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/10/03	BD
Dichlorodifluoromethane	<1	ug/l		8/10/03	BD
1,1-Dichloroethane	<1	ug/l		8/10/03	BD
1,2-Dichloroethane	<1	ug/l		8/10/03	BD
1,1-Dichloroethene	<1	ug/l		8/10/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/10/03	BD
1,2-Dichloropropane	<1	ug/l		8/10/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/10/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/10/03	BD
Methylene chloride	<1	ug/l		8/10/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/10/03	BD
Tetrachloroethene	<1	ug/l		8/10/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/10/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/10/03	BD
Trichloroethene	<1	ug/l		8/10/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/10/03	BD
Vinyl chloride	<1	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	104	%R		8/10/03	BD
Surrogate (Tol-d8)	120	%R		8/10/03	BD
Surrogate (4-BFB)	116	%R		8/10/03	BD

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Trip Blank **LSL Sample ID:** 0311948-005
Location: NES
Sampled: 08/05/03 0:00 **Sampled By:**
Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/10/03	BD
Chlorobenzene	<1	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/10/03	BD
Ethyl benzene	<1	ug/l		8/10/03	BD
MTBE	<1	ug/l		8/10/03	BD
Toluene	<1	ug/l		8/10/03	BD
Xylenes (Total)	<1	ug/l		8/10/03	BD
t-Butyl alcohol	<200	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	107	%R		8/10/03	BD
Surrogate (Tol-d8)	120	%R		8/10/03	BD
Surrogate (4-BFB)	118	%R		8/10/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/10/03	BD
Bromoform	<1	ug/l		8/10/03	BD
Bromomethane	<1	ug/l		8/10/03	BD
Carbon tetrachloride	<1	ug/l		8/10/03	BD
Chlorobenzene	<1	ug/l		8/10/03	BD
Chloroethane	<1	ug/l		8/10/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/10/03	BD
Chloroform	<1	ug/l		8/10/03	BD
Chloromethane	<1	ug/l		8/10/03	BD
Dibromochloromethane	<1	ug/l		8/10/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/10/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/10/03	BD
Dichlorodifluoromethane	<1	ug/l		8/10/03	BD
1,1-Dichloroethane	<1	ug/l		8/10/03	BD
1,2-Dichloroethane	<1	ug/l		8/10/03	BD
1,1-Dichloroethene	<1	ug/l		8/10/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/10/03	BD
1,2-Dichloropropane	<1	ug/l		8/10/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/10/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/10/03	BD
Methylene chloride	<1	ug/l		8/10/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/10/03	BD
Tetrachloroethene	<1	ug/l		8/10/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/10/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/10/03	BD
Trichloroethene	<1	ug/l		8/10/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/10/03	BD
Vinyl chloride	<1	ug/l		8/10/03	BD
Surrogate (1,2-DCA-d4)	107	%R		8/10/03	BD
Surrogate (Tol-d8)	120	%R		8/10/03	BD
Surrogate (4-BFB)	118	%R		8/10/03	BD

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

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

STRATEGIC ENVIRONMENTAL MANAGEMENT, IN

6311948
NYSDEC7SyrCR

SAMPLE CUSTODY RECORD

BALDWINSVILLE OFFICE
25 ½ Water Street
Baldwinsville, New York 13027
Telephone: (315) 635-8936
Facsimile: (315) 635-2380

SEM Project Number: 3003.0050
SEM Contact Person: Nevin Bradford
Project Location: Canastota, New York

CANTON OFFICE
3 Remington Avenue, Suite D
Canton, New York 13617
Telephone: (315) 386-2736
Facsimile: (315) 386-4736

Laboratory: Life Science Laboratories
Project Identification: NES NYSDEC Spill No. 01-60024/Pin # H-0529
Page _1__ of _1__

Report and Invoice Address: Timothy DiGiulio, P.E.
NYSDEC Region 7
615 Erie Boulevard W.
Syracuse, NY 13202
Phone: 315-426-7471

Client's Sample Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix	Parameters: EPA Method 601 + 602				Notes/Comments
WP5D	8/5/03	1320	Influent-WP-5D	2	G	HCl	WPW	X				Copy of Report to: Nevin Bradford Strategic Environmental Mngt. 25 ½ Water Street Baldwinsville, New York 13027
RW-1	↓	1325	Influent RW-1	2	↓	↓	↓	X				
PA/PC		1325	Post-Air Stripper (Pre-Carbon)	2				X				
01A		1310	Final GWT System Discharge (Outfall 01A)	2				X				
TB	→		Trip Blank	2	↓	↓	↓	X				

Sample Custody SAMPLE COLLECTION	Sample Custody - RELINQUISH SAMPLE CUSTODY	Sample Custody ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: MARK GRAVES	Name: MARK GRAVES Time: 1553	Name: Time:
Signature: Mark Graves	Signature: Mark Graves Date: 8/5/03	Signature: Date:
Sample TAT: Normal 14 Day	Name: Time:	Laboratory: Time:
	Signature: Date:	Signature: Date:

08-05-03 15:54 RCVD

5.9 AC

AUG 5, 2003
NES

Phone: (315) 426-7519
FAX: (315) 426-2653

Timothy DiGiulio
New York State DEC - Region 7, ER
615 Erie Blvd. W.
Syracuse, NY 13204-2400

Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

NYS DEC Spill #: **01-60024**

NYS DEC Pin #: **H-0529**

LSL Project ID: **0311948**

Receive Date/Time: 08/05/03 15:54 **by:** CDG

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

JMW QC, QCC 08-18-03

Reviewed By **Date**

Life Science Laboratories, Inc.

LSL Central Lab	LSL North Lab	LSL Finger Lakes Lab	LSL Southern Tier Lab	LSL Middlesex Lab
5854 Butternut Drive	131 St. Lawrence Avenue	16 N. Main St., PO Box 424	30 East Main St.	5611 Water St.
East Syracuse, NY 13057	Waddington, NY 13694	Wayland, NY 14572	Cuba, NY 14727	Middlesex, NY 14507
Tel. (315) 445-1105	Tel. (315) 388-4476	Tel. (585) 728-3320	Tel. (585) 968-2640	Tel. (585) 554-5347
Fax (315) 445-1301	Fax (315) 388-4061	Fax (585) 728-2711	Fax (585) 968-0906	Fax. (585) 554-6743
NYS DOH ELAP #10248	NYS DOH ELAP #10900	NYS DOH ELAP #11667	NYS DOH ELAP #10760	NYS DOH ELAP #11369

A copy of this report was sent to: *Nevin Bradford*
SEM

Date Printed: 8/18/03

LSL

Timothy DiGiulio
New York State DEC - Region 7, ER
615 Erie Blvd. W.
Syracuse, NY 13204-2400

Phone: (315) 426-7519
FAX: (315) 426-2653

Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

NYS DEC Spill #: **01-60024**

NYS DEC Pin #: **H-0529**

LSL Project ID: **0305599**

Receive Date/Time: 04/23/03 12:13 **by:** RD

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

jill mcc, QCC 05-06-03

Reviewed By **Date**

Life Science Laboratories, Inc.

LSL Central Lab	LSL North Lab	LSL Finger Lakes Lab	LSL Southern Tier Lab	LSL Middlesex Lab
5854 Butternut Drive	131 St. Lawrence Avenue	16 N. Main St., PO Box 424	30 East Main St.	5611 Water St.
East Syracuse, NY 13057	Waddington, NY 13694	Wayland, NY 14572	Cuba, NY 14727	Middlesex, NY 14507
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Fax (315) 445-1301	Fax (315) 388-4061	Fax (585) 728-2711	Fax (585) 968-0906	Fax. (585) 554-6743
NYS DOH ELAP #10248	NYS DOH ELAP #10900	NYS DOH ELAP #11667	NYS DOH ELAP #10760	NYS DOH ELAP #11369

A copy of this report was sent to: *Nevin Bradford*
SEM

Date Printed: 5/6/03

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Influent-WP-5D **LSL Sample ID:** 0305599-001

Location: NES

Sampled: 04/23/03 10:37 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		5/5/03	BD
Chlorobenzene	<1	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/5/03	BD
Ethyl benzene	<1	ug/l		5/5/03	BD
MTBE	<1	ug/l		5/5/03	BD
Toluene	<1	ug/l		5/5/03	BD
Xylenes (Total)	<1	ug/l		5/5/03	BD
t-Butyl alcohol	<200	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	107	%R		5/5/03	BD
Surrogate (Tol-d8)	90	%R		5/5/03	BD
Surrogate (4-BFB)	102	%R		5/5/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/5/03	BD
Bromoform	<1	ug/l		5/5/03	BD
Bromomethane	<1	ug/l		5/5/03	BD
Carbon tetrachloride	<1	ug/l		5/5/03	BD
Chlorobenzene	<1	ug/l		5/5/03	BD
Chloroethane	14	ug/l		5/5/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/5/03	BD
Chloroform	<1	ug/l		5/5/03	BD
Chloromethane	<1	ug/l		5/5/03	BD
Dibromochloromethane	<1	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/5/03	BD
Dichlorodifluoromethane	<1	ug/l		5/5/03	BD
1,1-Dichloroethane	<1	ug/l		5/5/03	BD
1,2-Dichloroethane	<1	ug/l		5/5/03	BD
1,1-Dichloroethene	<1	ug/l		5/5/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/5/03	BD
1,2-Dichloropropane	<1	ug/l		5/5/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/5/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/5/03	BD
Methylene chloride	<1	ug/l		5/5/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/5/03	BD
Tetrachloroethene	<1	ug/l		5/5/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/5/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/5/03	BD
Trichloroethene	<1	ug/l		5/5/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/5/03	BD
Vinyl chloride	52	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	107	%R		5/5/03	BD
Surrogate (Tol-d8)	90	%R		5/5/03	BD
Surrogate (4-BFB)	102	%R		5/5/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Influent RW-1 **LSL Sample ID:** 0305599-002

Location: NES

Sampled: 04/23/03 10:17 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<5	ug/l		5/5/03	BD
Chlorobenzene	<5	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/5/03	BD
Ethyl benzene	<5	ug/l		5/5/03	BD
MTBE	<5	ug/l		5/5/03	BD
Toluene	<5	ug/l		5/5/03	BD
Xylenes (Total)	<5	ug/l		5/5/03	BD
t-Butyl alcohol	<1000	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	109	%R		5/5/03	BD
Surrogate (Tol-d8)	89	%R		5/5/03	BD
Surrogate (4-BFB)	96	%R		5/5/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		5/5/03	BD
Bromoform	<5	ug/l		5/5/03	BD
Bromomethane	<5	ug/l		5/5/03	BD
Carbon tetrachloride	<5	ug/l		5/5/03	BD
Chlorobenzene	<5	ug/l		5/5/03	BD
Chloroethane	<5	ug/l		5/5/03	BD
2-Chloroethylvinyl ether	<50	ug/l		5/5/03	BD
Chloroform	<5	ug/l		5/5/03	BD
Chloromethane	<5	ug/l		5/5/03	BD
Dibromochloromethane	<5	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/5/03	BD
Dichlorodifluoromethane	<5	ug/l		5/5/03	BD
1,1-Dichloroethane	77	ug/l		5/5/03	BD
1,2-Dichloroethane	<5	ug/l		5/5/03	BD
1,1-Dichloroethene	7.0	ug/l		5/5/03	BD
trans-1,2-Dichloroethene	5.3	ug/l		5/5/03	BD
1,2-Dichloropropane	<5	ug/l		5/5/03	BD
cis-1,3-Dichloropropene	<5	ug/l		5/5/03	BD
trans-1,3-Dichloropropene	<5	ug/l		5/5/03	BD
Methylene chloride	<5	ug/l		5/5/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		5/5/03	BD
Tetrachloroethene	<5	ug/l		5/5/03	BD
1,1,1-Trichloroethane	45	ug/l		5/5/03	BD
1,1,2-Trichloroethane	<5	ug/l		5/5/03	BD
Trichloroethene	60	ug/l		5/5/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		5/5/03	BD
Vinyl chloride	110	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	109	%R		5/5/03	BD
Surrogate (Tol-d8)	89	%R		5/5/03	BD
Surrogate (4-BFB)	96	%R		5/5/03	BD

Life Science Laboratories, Inc.

Date Printed: 5/6/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Post-Air Stripper (Pre-Carbon) **LSL Sample ID:** 0305599-003

Location: NES

Sampled: 04/23/03 10:13 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		5/5/03	BD
Chlorobenzene	<1	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/5/03	BD
Ethyl benzene	<1	ug/l		5/5/03	BD
MTBE	<1	ug/l		5/5/03	BD
Toluene	<1	ug/l		5/5/03	BD
Xylenes (Total)	<1	ug/l		5/5/03	BD
t-Butyl alcohol	<200	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	110	%R		5/5/03	BD
Surrogate (Tol-d8)	91	%R		5/5/03	BD
Surrogate (4-BFB)	96	%R		5/5/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/5/03	BD
Bromoform	<1	ug/l		5/5/03	BD
Bromomethane	<1	ug/l		5/5/03	BD
Carbon tetrachloride	<1	ug/l		5/5/03	BD
Chlorobenzene	<1	ug/l		5/5/03	BD
Chloroethane	<1	ug/l		5/5/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/5/03	BD
Chloroform	<1	ug/l		5/5/03	BD
Chloromethane	<1	ug/l		5/5/03	BD
Dibromochloromethane	<1	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/5/03	BD
Dichlorodifluoromethane	<1	ug/l		5/5/03	BD
1,1-Dichloroethane	<1	ug/l		5/5/03	BD
1,2-Dichloroethane	<1	ug/l		5/5/03	BD
1,1-Dichloroethene	<1	ug/l		5/5/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/5/03	BD
1,2-Dichloropropane	<1	ug/l		5/5/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/5/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/5/03	BD
Methylene chloride	<1	ug/l		5/5/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/5/03	BD
Tetrachloroethene	<1	ug/l		5/5/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/5/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/5/03	BD
Trichloroethene	<1	ug/l		5/5/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/5/03	BD
Vinyl chloride	<1	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	110	%R		5/5/03	BD
Surrogate (Tol-d8)	91	%R		5/5/03	BD
Surrogate (4-BFB)	96	%R		5/5/03	BD

Life Science Laboratories, Inc.

Date Printed: 5/6/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Final GWT System Discharge (Outfall 01A) **LSL Sample ID:** 0305599-004

Location: NES

Sampled: 04/23/03 10:10 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		5/5/03	BD
Chlorobenzene	<1	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/5/03	BD
Ethyl benzene	<1	ug/l		5/5/03	BD
MTBE	<1	ug/l		5/5/03	BD
Toluene	<1	ug/l		5/5/03	BD
Xylenes (Total)	<1	ug/l		5/5/03	BD
t-Butyl alcohol	<200	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	105	%R		5/5/03	BD
Surrogate (Tol-d8)	86	%R		5/5/03	BD
Surrogate (4-BFB)	99	%R		5/5/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/5/03	BD
Bromoform	<1	ug/l		5/5/03	BD
Bromomethane	<1	ug/l		5/5/03	BD
Carbon tetrachloride	<1	ug/l		5/5/03	BD
Chlorobenzene	<1	ug/l		5/5/03	BD
Chloroethane	<1	ug/l		5/5/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/5/03	BD
Chloroform	<1	ug/l		5/5/03	BD
Chloromethane	<1	ug/l		5/5/03	BD
Dibromochloromethane	<1	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/5/03	BD
Dichlorodifluoromethane	<1	ug/l		5/5/03	BD
1,1-Dichloroethane	<1	ug/l		5/5/03	BD
1,2-Dichloroethane	<1	ug/l		5/5/03	BD
1,1-Dichloroethene	<1	ug/l		5/5/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/5/03	BD
1,2-Dichloropropane	<1	ug/l		5/5/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/5/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/5/03	BD
Methylene chloride	<1	ug/l		5/5/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/5/03	BD
Tetrachloroethene	<1	ug/l		5/5/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/5/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/5/03	BD
Trichloroethene	<1	ug/l		5/5/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/5/03	BD
Vinyl chloride	<1	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	105	%R		5/5/03	BD
Surrogate (Tol-d8)	86	%R		5/5/03	BD
Surrogate (4-BFB)	99	%R		5/5/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Trip Blank **LSL Sample ID:** 0305599-005

Location: NES

Sampled: 04/23/03 0:00 **Sampled By:**

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl+MTBE+TBA					
Benzene	<1	ug/l		5/5/03	BD
Chlorobenzene	<1	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/5/03	BD
Ethyl benzene	<1	ug/l		5/5/03	BD
MTBE	<1	ug/l		5/5/03	BD
Toluene	<1	ug/l		5/5/03	BD
Xylenes (Total)	<1	ug/l		5/5/03	BD
t-Butyl alcohol	<200	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/5/03	BD
Surrogate (Tol-d8)	89	%R		5/5/03	BD
Surrogate (4-BFB)	98	%R		5/5/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/5/03	BD
Bromoform	<1	ug/l		5/5/03	BD
Bromomethane	<1	ug/l		5/5/03	BD
Carbon tetrachloride	<1	ug/l		5/5/03	BD
Chlorobenzene	<1	ug/l		5/5/03	BD
Chloroethane	<1	ug/l		5/5/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/5/03	BD
Chloroform	<1	ug/l		5/5/03	BD
Chloromethane	<1	ug/l		5/5/03	BD
Dibromochloromethane	<1	ug/l		5/5/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/5/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/5/03	BD
Dichlorodifluoromethane	<1	ug/l		5/5/03	BD
1,1-Dichloroethane	<1	ug/l		5/5/03	BD
1,2-Dichloroethane	<1	ug/l		5/5/03	BD
1,1-Dichloroethene	<1	ug/l		5/5/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/5/03	BD
1,2-Dichloropropane	<1	ug/l		5/5/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/5/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/5/03	BD
Methylene chloride	<1	ug/l		5/5/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/5/03	BD
Tetrachloroethene	<1	ug/l		5/5/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/5/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/5/03	BD
Trichloroethene	<1	ug/l		5/5/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/5/03	BD
Vinyl chloride	<1	ug/l		5/5/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/5/03	BD
Surrogate (Tol-d8)	89	%R		5/5/03	BD
Surrogate (4-BFB)	98	%R		5/5/03	BD

Life Science Laboratories, Inc.

Date Printed: 5/6/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

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

STRATEGIC ENVIRONMENTAL MANAGEMENT, INC.

SAMPLE CUSTODY RECORD

0305599
NYSDEC7SyrCR

BALDWINSVILLE OFFICE
25 ½ Water Street
Baldwinsville, New York 13027
Telephone: (315) 635-8936
Facsimile: (315) 635-2380

SEM Project Number: 3003.0050
SEM Contact Person: H. Nevin Bradford III
Project Location: Canastota, New York

CANTON OFFICE
3 Remington Avenue, Suite D
Canton, New York 13617
Telephone: (315) 386-2736
Facsimile: (315) 386-4736

Laboratory: Life Science Laboratories

Project Identification: NES NYSDEC Spill No. 01-60024/Pin # H-0529

Page _1__ of _1__

Report and Invoice Address: Timothy DiGiulio, P.E.
NYSDEC Region 7
615 Erie Boulevard W.
Syracuse, NY 13202
Phone: 315-426-7471

	Client's Sample Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix	Parameters: EPA Method 601 + 602				Notes/Comments
													Copy of Report to: Nevin Bradford Strategic Environmental Mngt. 25 ½ Water Street Baldwinsville, New York 13027
001 AB	WP5D	4/23/03	1037	Influent-WP-5D	2	G	HCl	GW	↓				HAND DELIVER TO
002	RW1	↓	10[illegible]7	Influent RW-1	2	↓	↓	↓	↓				LSL on ice.
003	PA/PC	↓	1013	Post-Air Stripper (Pre-Carbon)	2	↓	↓	↓	↓				
004	01A	↓	1010	Final GWT System Discharge (Outfall 01A)	2	↓	↓	↓	↓				
005	TB	↓	—	Trip Blank	2	↓	↓	↓	↓				

Sample Custody — SAMPLE COLLECTION
Name: MARK GRAVES
Signature: Mark Graves
Sample TAT: Normal 14 Day

Sample Custody — RELINQUISH SAMPLE CUSTODY
Name: MARK GRAVES Time: 4/23/03
Signature: Mark Graves Date:
Name: Time:
Signature: Date:

Sample Custody — ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: Time:
Signature: Date:
Laboratory: K. D[illegible] 4-23-03 Time: 3 RCVD
Signature: 7.0°C on ice Date:

Timothy DiGiulio
New York State DEC - Region 7, ER
615 Erie Blvd. W.
Syracuse, NY 13204-2400

Phone: (315) 426-7519
FAX: (315) 426-2653

Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

NYS DEC Spill #: **01-60024**

NYS DEC Pin #: **H-0529**

LSL Project ID: **0312641**

Receive Date/Time: 08/13/03 16:36 **by:** DB

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

Jill McCoy, QCC 08-20-03

Reviewed By **Date**

Life Science Laboratories, Inc.

LSL Central Lab	LSL North Lab	LSL Finger Lakes Lab	LSL Southern Tier Lab	LSL Middlesex Lab
5854 Butternut Drive	131 St. Lawrence Avenue	16 N. Main St., PO Box 424	30 East Main St.	5611 Water St.
East Syracuse, NY 13057	Waddington, NY 13694	Wayland, NY 14572	Cuba, NY 14727	Middlesex, NY 14507
Tel. (315) 445-1105	Tel. (315) 388-4476	Tel. (585) 728-3320	Tel. (585) 968-2640	Tel. (585) 554-5347
Fax (315) 445-1301	Fax (315) 388-4061	Fax (585) 728-2711	Fax (585) 968-0906	Fax. (585) 554-6743
NYS DOH ELAP #10248	NYS DOH ELAP #10900	NYS DOH ELAP #11667	NYS DOH ELAP #10760	NYS DOH ELAP #11369

A copy of this report was sent to: *Nevin Bradford*
SEM

Date Printed: 8/19/03

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Influent-RW-1 **LSL Sample ID:** 0312641-001

Location: NES

Sampled: 08/13/03 12:50 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<5	ug/l		8/17/03	BD
Chlorobenzene	<5	ug/l		8/17/03	BD
1,2-Dichlorobenzene	<5	ug/l		8/17/03	BD
1,3-Dichlorobenzene	<5	ug/l		8/17/03	BD
1,4-Dichlorobenzene	<5	ug/l		8/17/03	BD
Ethyl benzene	19	ug/l		8/17/03	BD
MTBE	<5	ug/l		8/17/03	BD
Toluene	430	ug/l		8/17/03	BD
Xylenes (Total)	110	ug/l		8/17/03	BD
t-Butyl alcohol	<1000	ug/l		8/17/03	BD
Surrogate (1,2-DCA-d4)	93	%R		8/17/03	BD
Surrogate (Tol-d8)	107	%R		8/17/03	BD
Surrogate (4-BFB)	121	%R		8/17/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		8/17/03	BD
Bromoform	<5	ug/l		8/17/03	BD
Bromomethane	<5	ug/l		8/17/03	BD
Carbon tetrachloride	<5	ug/l		8/17/03	BD
Chlorobenzene	<5	ug/l		8/17/03	BD
Chloroethane	<5	ug/l		8/17/03	BD
2-Chloroethylvinyl ether	<50	ug/l		8/17/03	BD
Chloroform	<5	ug/l		8/17/03	BD
Chloromethane	<5	ug/l		8/17/03	BD
Dibromochloromethane	<5	ug/l		8/17/03	BD
1,2-Dichlorobenzene	<5	ug/l		8/17/03	BD
1,3-Dichlorobenzene	<5	ug/l		8/17/03	BD
1,4-Dichlorobenzene	<5	ug/l		8/17/03	BD
Dichlorodifluoromethane	<5	ug/l		8/17/03	BD
1,1-Dichloroethane	66	ug/l		8/17/03	BD
1,2-Dichloroethane	<5	ug/l		8/17/03	BD
1,1-Dichloroethene	5.9	ug/l		8/17/03	BD
trans-1,2-Dichloroethene	5.7	ug/l		8/17/03	BD
1,2-Dichloropropane	<5	ug/l		8/17/03	BD
cis-1,3-Dichloropropene	<5	ug/l		8/17/03	BD
trans-1,3-Dichloropropene	<5	ug/l		8/17/03	BD
Methylene chloride	<5	ug/l		8/17/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		8/17/03	BD
Tetrachloroethene	<5	ug/l		8/17/03	BD
1,1,1-Trichloroethane	49	ug/l		8/17/03	BD
1,1,2-Trichloroethane	<5	ug/l		8/17/03	BD
Trichloroethene	63	ug/l		8/17/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		8/17/03	BD
Vinyl chloride	180	ug/l		8/17/03	BD
Surrogate (1,2-DCA-d4)	93	%R		8/17/03	BD
Surrogate (Tol-d8)	107	%R		8/17/03	BD
Surrogate (4-BFB)	121	%R		8/17/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Influent WP-5D **LSL Sample ID:** 0312641-002

Location: NES

Sampled: 08/13/03 12:55 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/17/03	BD
Chlorobenzene	<1	ug/l		8/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/17/03	BD
Ethyl benzene	<1	ug/l		8/17/03	BD
MTBE	<1	ug/l		8/17/03	BD
Toluene	<1	ug/l		8/17/03	BD
Xylenes (Total)	<1	ug/l		8/17/03	BD
t-Butyl alcohol	<200	ug/l		8/17/03	BD
Surrogate (1,2-DCA-d4)	88	%R		8/17/03	BD
Surrogate (Tol-d8)	124	%R		8/17/03	BD
Surrogate (4-BFB)	108	%R		8/17/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/17/03	BD
Bromoform	<1	ug/l		8/17/03	BD
Bromomethane	<1	ug/l		8/17/03	BD
Carbon tetrachloride	<1	ug/l		8/17/03	BD
Chlorobenzene	<1	ug/l		8/17/03	BD
Chloroethane	10	ug/l		8/17/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/17/03	BD
Chloroform	<1	ug/l		8/17/03	BD
Chloromethane	<1	ug/l		8/17/03	BD
Dibromochloromethane	<1	ug/l		8/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/17/03	BD
Dichlorodifluoromethane	<1	ug/l		8/17/03	BD
1,1-Dichloroethane	<1	ug/l		8/17/03	BD
1,2-Dichloroethane	<1	ug/l		8/17/03	BD
1,1-Dichloroethene	<1	ug/l		8/17/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/17/03	BD
1,2-Dichloropropane	<1	ug/l		8/17/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/17/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/17/03	BD
Methylene chloride	<1	ug/l		8/17/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/17/03	BD
Tetrachloroethene	<1	ug/l		8/17/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/17/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/17/03	BD
Trichloroethene	<1	ug/l		8/17/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/17/03	BD
Vinyl chloride	43	ug/l		8/17/03	BD
Surrogate (1,2-DCA-d4)	88	%R		8/17/03	BD
Surrogate (Tol-d8)	124	%R		8/17/03	BD
Surrogate (4-BFB)	108	%R		8/17/03	BD

- - LABORATORY ANALYSIS REPORT - -

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Post-Air Stripper (Pre-Carbon) **LSL Sample ID:** 0312641-003

Location: NES

Sampled: 08/13/03 12:45 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/19/03	BD
Chlorobenzene	<1	ug/l		8/19/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/19/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/19/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/19/03	BD
Ethyl benzene	<1	ug/l		8/19/03	BD
MTBE	<1	ug/l		8/19/03	BD
Toluene	<1	ug/l		8/19/03	BD
Xylenes (Total)	<1	ug/l		8/19/03	BD
t-Butyl alcohol	<200	ug/l		8/19/03	BD
Surrogate (1,2-DCA-d4)	87	%R		8/19/03	BD
Surrogate (Tol-d8)	119	%R		8/19/03	BD
Surrogate (4-BFB)	126	%R		8/19/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/19/03	BD
Bromoform	<1	ug/l		8/19/03	BD
Bromomethane	<1	ug/l		8/19/03	BD
Carbon tetrachloride	<1	ug/l		8/19/03	BD
Chlorobenzene	<1	ug/l		8/19/03	BD
Chloroethane	<1	ug/l		8/19/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/19/03	BD
Chloroform	<1	ug/l		8/19/03	BD
Chloromethane	<1	ug/l		8/19/03	BD
Dibromochloromethane	<1	ug/l		8/19/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/19/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/19/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/19/03	BD
Dichlorodifluoromethane	<1	ug/l		8/19/03	BD
1,1-Dichloroethane	<1	ug/l		8/19/03	BD
1,2-Dichloroethane	<1	ug/l		8/19/03	BD
1,1-Dichloroethene	<1	ug/l		8/19/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/19/03	BD
1,2-Dichloropropane	<1	ug/l		8/19/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/19/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/19/03	BD
Methylene chloride	<1	ug/l		8/19/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/19/03	BD
Tetrachloroethene	<1	ug/l		8/19/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/19/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/19/03	BD
Trichloroethene	<1	ug/l		8/19/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/19/03	BD
Vinyl chloride	<1	ug/l		8/19/03	BD
Surrogate (1,2-DCA-d4)	87	%R		8/19/03	BD
Surrogate (Tol-d8)	119	%R		8/19/03	BD
Surrogate (4-BFB)	126	%R		8/19/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Final GWT System Discharge (Outfall 01A) **LSL Sample ID:** 0312641-004

Location: NES

Sampled: 08/13/03 12:40 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/17/03	BD
Chlorobenzene	<1	ug/l		8/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/17/03	BD
Ethyl benzene	<1	ug/l		8/17/03	BD
MTBE	<1	ug/l		8/17/03	BD
Toluene	<1	ug/l		8/17/03	BD
Xylenes (Total)	<1	ug/l		8/17/03	BD
t-Butyl alcohol	<200	ug/l		8/17/03	BD
Surrogate (1,2-DCA-d4)	102	%R		8/17/03	BD
Surrogate (Tol-d8)	112	%R		8/17/03	BD
Surrogate (4-BFB)	106	%R		8/17/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/17/03	BD
Bromoform	<1	ug/l		8/17/03	BD
Bromomethane	<1	ug/l		8/17/03	BD
Carbon tetrachloride	<1	ug/l		8/17/03	BD
Chlorobenzene	<1	ug/l		8/17/03	BD
Chloroethane	<1	ug/l		8/17/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/17/03	BD
Chloroform	<1	ug/l		8/17/03	BD
Chloromethane	<1	ug/l		8/17/03	BD
Dibromochloromethane	<1	ug/l		8/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/17/03	BD
Dichlorodifluoromethane	<1	ug/l		8/17/03	BD
1,1-Dichloroethane	<1	ug/l		8/17/03	BD
1,2-Dichloroethane	<1	ug/l		8/17/03	BD
1,1-Dichloroethene	<1	ug/l		8/17/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/17/03	BD
1,2-Dichloropropane	<1	ug/l		8/17/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/17/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/17/03	BD
Methylene chloride	<1	ug/l		8/17/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/17/03	BD
Tetrachloroethene	<1	ug/l		8/17/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/17/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/17/03	BD
Trichloroethene	<1	ug/l		8/17/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/17/03	BD
Vinyl chloride	<1	ug/l		8/17/03	BD
Surrogate (1,2-DCA-d4)	102	%R		8/17/03	BD
Surrogate (Tol-d8)	112	%R		8/17/03	BD
Surrogate (4-BFB)	106	%R		8/17/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Final GWT System Discharge (Outfall 01A) **LSL Sample ID:** 0312641-004

Location: NES

Sampled: 08/13/03 12:40 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #WT-25- ,EPA 150.1 pH					
pH	7.8	Std. Units		8/13/03 16:45	DSB
pH Measurement Temperature	25	Degrees C		8/13/03 16:45	DSB

NYS DOH ELAP specifications require pH to be measured within one hour of sample collection.

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Trip Blank **LSL Sample ID:** 0312641-005

Location: NES

Sampled: 08/13/03 0:00 **Sampled By:**

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/17/03	BD
Chlorobenzene	<1	ug/l		8/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/17/03	BD
Ethyl benzene	<1	ug/l		8/17/03	BD
MTBE	<1	ug/l		8/17/03	BD
Toluene	<1	ug/l		8/17/03	BD
Xylenes (Total)	<1	ug/l		8/17/03	BD
t-Butyl alcohol	<200	ug/l		8/17/03	BD
Surrogate (1,2-DCA-d4)	103	%R		8/17/03	BD
Surrogate (Tol-d8)	106	%R		8/17/03	BD
Surrogate (4-BFB)	118	%R		8/17/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/17/03	BD
Bromoform	<1	ug/l		8/17/03	BD
Bromomethane	<1	ug/l		8/17/03	BD
Carbon tetrachloride	<1	ug/l		8/17/03	BD
Chlorobenzene	<1	ug/l		8/17/03	BD
Chloroethane	<1	ug/l		8/17/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/17/03	BD
Chloroform	<1	ug/l		8/17/03	BD
Chloromethane	<1	ug/l		8/17/03	BD
Dibromochloromethane	<1	ug/l		8/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/17/03	BD
Dichlorodifluoromethane	<1	ug/l		8/17/03	BD
1,1-Dichloroethane	<1	ug/l		8/17/03	BD
1,2-Dichloroethane	<1	ug/l		8/17/03	BD
1,1-Dichloroethene	<1	ug/l		8/17/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/17/03	BD
1,2-Dichloropropane	<1	ug/l		8/17/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/17/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/17/03	BD
Methylene chloride	<1	ug/l		8/17/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/17/03	BD
Tetrachloroethene	<1	ug/l		8/17/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/17/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/17/03	BD
Trichloroethene	<1	ug/l		8/17/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/17/03	BD
Vinyl chloride	<1	ug/l		8/17/03	BD
Surrogate (1,2-DCA-d4)	103	%R		8/17/03	BD
Surrogate (Tol-d8)	106	%R		8/17/03	BD
Surrogate (4-BFB)	118	%R		8/17/03	BD

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

STRATEGIC ENVIRONMENTAL M

0312641
NYSDEC7SyrCR

SAMPLE CUSTODY RE

BALDWINSVILLE OFFICE
25 ½ Water Street
Baldwinsville, New York 13027
Telephone: (315) 635-8936
Facsimile: (315) 635-2380

SEM Project Number: 3003.0050
SEM Contact Person: Nevin Bradford
Project Location: Canastota, New York

3 Remington Avenue, Suite D
Canton, New York 13617
Telephone: (315) 386-2736
Facsimile: (315) 386-4736

Laboratory: Life Science Laboratories
Project Identification: NES NYSDEC Spill No. 01-60024/Pin # H-0529
Page _1_ of _1_

Report and Invoice Address: Timothy DiGiulio, P.E.
NYSDEC Region 7
615 Erie Boulevard W.
Syracuse, NY 13202
Phone: 315-426-7471

Copy of Report to: Nevin Bradford
Strategic Environmental Mngt.
25 ½ Water Street
Baldwinsville, New York 13027

Client's Sample Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives (on ice)	Sample Matrix	Parameters: EPA Method 601+602	Parameters: pH			Notes/Comments
001 AD	8/13/03	1250	Influent-RW-1	2	GRAB	HCl	NAW	X				
002 AD		1255	Influent WP-5D					X				
003 AD		1245	Post-Air Stripper (Pre-Carbon)					X				
004 AD		1240	Final GWT System Discharge (Outfall 01A)					X	X			
005 AD		-	Trip Blank (From Lab)					X				

Sample Custody SAMPLE COLLECTION	Sample Custody RELINQUISH SAMPLE CUSTODY	Sample Custody ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: MARK GRAVES	Name: MARK GRAVES Time: 1635	Name: Time:
Signature: Mark Graves	Signature: Mark Graves Date: 8/13/03	Signature: Date:
Sample TAT: Normal 14 Day	Name: Time:	Laboratory: Time:
	Signature: Date:	Signature: Date:

Dave Burke 08-13-03 16:3? RCVD 3.3°C

NES

Timothy DiGiulio
New York State DEC - Region 7, ER
615 Erie Blvd. W.
Syracuse, NY 13204-2400

Phone: (315) 426-7519
FAX: (315) 426-2653

Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

NYS DEC Spill #: **01-60024**

NYS DEC Pin #: **H-0529**

LSL Project ID: **0312975**

Receive Date/Time: 08/19/03 14:49 **by:** GS

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

jmm QA, QCC 08-22-03

Reviewed By **Date**

Life Science Laboratories, Inc.

LSL Central Lab	LSL North Lab	LSL Finger Lakes Lab	LSL Southern Tier Lab	LSL Middlesex Lab
5854 Butternut Drive	131 St. Lawrence Avenue	16 N. Main St., PO Box 424	30 East Main St.	5611 Water St.
East Syracuse, NY 13057	Waddington, NY 13694	Wayland, NY 14572	Cuba, NY 14727	Middlesex, NY 14507
Tel. (315) 445-1105	Tel. (315) 388-4476	Tel. (585) 728-3320	Tel. (585) 968-2640	Tel. (585) 554-5347
Fax (315) 445-1301	Fax (315) 388-4061	Fax (585) 728-2711	Fax (585) 968-0906	Fax. (585) 554-6743
NYS DOH ELAP #10248	NYS DOH ELAP #10900	NYS DOH ELAP #11667	NYS DOH ELAP #10760	NYS DOH ELAP #11369

Sample ID: Influent-RW-1 **LSL Sample ID:** 0312975-001

Location: NES

Sampled: 08/19/03 11:35 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<5	ug/l		8/21/03	BD
Chlorobenzene	<5	ug/l		8/21/03	BD
1,2-Dichlorobenzene	<5	ug/l		8/21/03	BD
1,3-Dichlorobenzene	<5	ug/l		8/21/03	BD
1,4-Dichlorobenzene	<5	ug/l		8/21/03	BD
Ethyl benzene	14	ug/l		8/21/03	BD
MTBE	<5	ug/l		8/21/03	BD
Toluene	420	ug/l		8/21/03	BD
Xylenes (Total)	99	ug/l		8/21/03	BD
t-Butyl alcohol	<1000	ug/l		8/21/03	BD
Surrogate (1,2-DCA-d4)	117	%R		8/21/03	BD
Surrogate (Tol-d8)	105	%R		8/21/03	BD
Surrogate (4-BFB)	107	%R		8/21/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		8/21/03	BD
Bromoform	<5	ug/l		8/21/03	BD
Bromomethane	<5	ug/l		8/21/03	BD
Carbon tetrachloride	<5	ug/l		8/21/03	BD
Chlorobenzene	<5	ug/l		8/21/03	BD
Chloroethane	5	ug/l		8/21/03	BD
2-Chloroethylvinyl ether	<50	ug/l		8/21/03	BD
Chloroform	<5	ug/l		8/21/03	BD
Chloromethane	<5	ug/l		8/21/03	BD
Dibromochloromethane	<5	ug/l		8/21/03	BD
1,2-Dichlorobenzene	<5	ug/l		8/21/03	BD
1,3-Dichlorobenzene	<5	ug/l		8/21/03	BD
1,4-Dichlorobenzene	<5	ug/l		8/21/03	BD
Dichlorodifluoromethane	<5	ug/l		8/21/03	BD
1,1-Dichloroethane	75	ug/l		8/21/03	BD
1,2-Dichloroethane	<5	ug/l		8/21/03	BD
1,1-Dichloroethene	5.6	ug/l		8/21/03	BD
trans-1,2-Dichloroethene	<5	ug/l		8/21/03	BD
1,2-Dichloropropane	<5	ug/l		8/21/03	BD
cis-1,3-Dichloropropene	<5	ug/l		8/21/03	BD
trans-1,3-Dichloropropene	<5	ug/l		8/21/03	BD
Methylene chloride	5.4	ug/l		8/21/03	BD
Laboratory contamination is suspected.					
1,1,2,2-Tetrachloroethane	<5	ug/l		8/21/03	BD
Tetrachloroethene	<5	ug/l		8/21/03	BD
1,1,1-Trichloroethane	52	ug/l		8/21/03	BD
1,1,2-Trichloroethane	<5	ug/l		8/21/03	BD
Trichloroethene	52	ug/l		8/21/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		8/21/03	BD
Vinyl chloride	260	ug/l		8/21/03	BD
Surrogate (1,2-DCA-d4)	117	%R		8/21/03	BD
Surrogate (Tol-d8)	105	%R		8/21/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Influent-RW-1 **LSL Sample ID:** 0312975-001

Location: NES

Sampled: 08/19/03 11:35 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-02- , EPA 601 Vol.					
Surrogate (4-BFB)	107	%R		8/21/03	BD

Sample ID: Influent WP-5D **LSL Sample ID:** 0312975-002

Location: NES

Sampled: 08/19/03 11:30 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/21/03	BD
Chlorobenzene	<1	ug/l		8/21/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/21/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/21/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/21/03	BD
Ethyl benzene	<1	ug/l		8/21/03	BD
MTBE	<1	ug/l		8/21/03	BD
Toluene	<1	ug/l		8/21/03	BD
Xylenes (Total)	<1	ug/l		8/21/03	BD
t-Butyl alcohol	<200	ug/l		8/21/03	BD
Surrogate (1,2-DCA-d4)	118	%R		8/21/03	BD
Surrogate (Tol-d8)	114	%R		8/21/03	BD
Surrogate (4-BFB)	107	%R		8/21/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/21/03	BD
Bromoform	<1	ug/l		8/21/03	BD
Bromomethane	<1	ug/l		8/21/03	BD
Carbon tetrachloride	<1	ug/l		8/21/03	BD
Chlorobenzene	<1	ug/l		8/21/03	BD
Chloroethane	16	ug/l		8/21/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/21/03	BD
Chloroform	<1	ug/l		8/21/03	BD
Chloromethane	<1	ug/l		8/21/03	BD
Dibromochloromethane	<1	ug/l		8/21/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/21/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/21/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/21/03	BD
Dichlorodifluoromethane	<1	ug/l		8/21/03	BD
1,1-Dichloroethane	<1	ug/l		8/21/03	BD
1,2-Dichloroethane	<1	ug/l		8/21/03	BD
1,1-Dichloroethene	<1	ug/l		8/21/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/21/03	BD
1,2-Dichloropropane	<1	ug/l		8/21/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/21/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/21/03	BD
Methylene chloride	<1	ug/l		8/21/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/21/03	BD
Tetrachloroethene	<1	ug/l		8/21/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/21/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/21/03	BD
Trichloroethene	<1	ug/l		8/21/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/21/03	BD
Vinyl chloride	68	ug/l		8/21/03	BD
Surrogate (1,2-DCA-d4)	118	%R		8/21/03	BD
Surrogate (Tol-d8)	114	%R		8/21/03	BD
Surrogate (4-BFB)	107	%R		8/21/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Post-Air Stripper (Pre-Carbon) **LSL Sample ID:** 0312975-003

Location: NES

Sampled: 08/19/03 11:25 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/21/03	BD
Chlorobenzene	<1	ug/l		8/21/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/21/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/21/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/21/03	BD
Ethyl benzene	<1	ug/l		8/21/03	BD
MTBE	<1	ug/l		8/21/03	BD
Toluene	<1	ug/l		8/21/03	BD
Xylenes (Total)	<1	ug/l		8/21/03	BD
t-Butyl alcohol	<200	ug/l		8/21/03	BD
Surrogate (1,2-DCA-d4)	123	%R		8/21/03	BD
Surrogate (Tol-d8)	113	%R		8/21/03	BD
Surrogate (4-BFB)	103	%R		8/21/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/21/03	BD
Bromoform	<1	ug/l		8/21/03	BD
Bromomethane	<1	ug/l		8/21/03	BD
Carbon tetrachloride	<1	ug/l		8/21/03	BD
Chlorobenzene	<1	ug/l		8/21/03	BD
Chloroethane	<1	ug/l		8/21/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/21/03	BD
Chloroform	<1	ug/l		8/21/03	BD
Chloromethane	<1	ug/l		8/21/03	BD
Dibromochloromethane	<1	ug/l		8/21/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/21/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/21/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/21/03	BD
Dichlorodifluoromethane	<1	ug/l		8/21/03	BD
1,1-Dichloroethane	<1	ug/l		8/21/03	BD
1,2-Dichloroethane	<1	ug/l		8/21/03	BD
1,1-Dichloroethene	<1	ug/l		8/21/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/21/03	BD
1,2-Dichloropropane	<1	ug/l		8/21/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/21/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/21/03	BD
Methylene chloride	<1	ug/l		8/21/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/21/03	BD
Tetrachloroethene	<1	ug/l		8/21/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/21/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/21/03	BD
Trichloroethene	<1	ug/l		8/21/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/21/03	BD
Vinyl chloride	<1	ug/l		8/21/03	BD
Surrogate (1,2-DCA-d4)	123	%R		8/21/03	BD
Surrogate (Tol-d8)	113	%R		8/21/03	BD
Surrogate (4-BFB)	103	%R		8/21/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Final GWT System Discharge (Outfall 01A) **LSL Sample ID:** 0312975-004

Location: NES

Sampled: 08/19/03 11:20 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/22/03	BD
Chlorobenzene	<1	ug/l		8/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/22/03	BD
Ethyl benzene	<1	ug/l		8/22/03	BD
MTBE	<1	ug/l		8/22/03	BD
Toluene	<1	ug/l		8/22/03	BD
Xylenes (Total)	<1	ug/l		8/22/03	BD
t-Butyl alcohol	<200	ug/l		8/22/03	BD
Surrogate (1,2-DCA-d4)	111	%R		8/22/03	BD
Surrogate (Tol-d8)	117	%R		8/22/03	BD
Surrogate (4-BFB)	107	%R		8/22/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/22/03	BD
Bromoform	<1	ug/l		8/22/03	BD
Bromomethane	<1	ug/l		8/22/03	BD
Carbon tetrachloride	<1	ug/l		8/22/03	BD
Chlorobenzene	<1	ug/l		8/22/03	BD
Chloroethane	<1	ug/l		8/22/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/22/03	BD
Chloroform	<1	ug/l		8/22/03	BD
Chloromethane	<1	ug/l		8/22/03	BD
Dibromochloromethane	<1	ug/l		8/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/22/03	BD
Dichlorodifluoromethane	<1	ug/l		8/22/03	BD
1,1-Dichloroethane	<1	ug/l		8/22/03	BD
1,2-Dichloroethane	<1	ug/l		8/22/03	BD
1,1-Dichloroethene	<1	ug/l		8/22/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/22/03	BD
1,2-Dichloropropane	<1	ug/l		8/22/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/22/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/22/03	BD
Methylene chloride	<1	ug/l		8/22/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/22/03	BD
Tetrachloroethene	<1	ug/l		8/22/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/22/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/22/03	BD
Trichloroethene	<1	ug/l		8/22/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/22/03	BD
Vinyl chloride	<1	ug/l		8/22/03	BD
Surrogate (1,2-DCA-d4)	111	%R		8/22/03	BD
Surrogate (Tol-d8)	117	%R		8/22/03	BD
Surrogate (4-BFB)	107	%R		8/22/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Trip Blank **LSL Sample ID:** 0312975-005

Location: NES

Sampled: 08/19/03 0:00 **Sampled By:**

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		8/22/03	BD
Chlorobenzene	<1	ug/l		8/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/22/03	BD
Ethyl benzene	<1	ug/l		8/22/03	BD
MTBE	<1	ug/l		8/22/03	BD
Toluene	<1	ug/l		8/22/03	BD
Xylenes (Total)	<1	ug/l		8/22/03	BD
t-Butyl alcohol	<200	ug/l		8/22/03	BD
Surrogate (1,2-DCA-d4)	117	%R		8/22/03	BD
Surrogate (Tol-d8)	115	%R		8/22/03	BD
Surrogate (4-BFB)	110	%R		8/22/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		8/22/03	BD
Bromoform	<1	ug/l		8/22/03	BD
Bromomethane	<1	ug/l		8/22/03	BD
Carbon tetrachloride	<1	ug/l		8/22/03	BD
Chlorobenzene	<1	ug/l		8/22/03	BD
Chloroethane	<1	ug/l		8/22/03	BD
2-Chloroethylvinyl ether	<10	ug/l		8/22/03	BD
Chloroform	<1	ug/l		8/22/03	BD
Chloromethane	<1	ug/l		8/22/03	BD
Dibromochloromethane	<1	ug/l		8/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		8/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		8/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		8/22/03	BD
Dichlorodifluoromethane	<1	ug/l		8/22/03	BD
1,1-Dichloroethane	<1	ug/l		8/22/03	BD
1,2-Dichloroethane	<1	ug/l		8/22/03	BD
1,1-Dichloroethene	<1	ug/l		8/22/03	BD
trans-1,2-Dichloroethene	<1	ug/l		8/22/03	BD
1,2-Dichloropropane	<1	ug/l		8/22/03	BD
cis-1,3-Dichloropropene	<1	ug/l		8/22/03	BD
trans-1,3-Dichloropropene	<1	ug/l		8/22/03	BD
Methylene chloride	<1	ug/l		8/22/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		8/22/03	BD
Tetrachloroethene	<1	ug/l		8/22/03	BD
1,1,1-Trichloroethane	<1	ug/l		8/22/03	BD
1,1,2-Trichloroethane	<1	ug/l		8/22/03	BD
Trichloroethene	<1	ug/l		8/22/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		8/22/03	BD
Vinyl chloride	<1	ug/l		8/22/03	BD
Surrogate (1,2-DCA-d4)	117	%R		8/22/03	BD
Surrogate (Tol-d8)	115	%R		8/22/03	BD
Surrogate (4-BFB)	110	%R		8/22/03	BD

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

0312975
SEM_Bville

STRATEGIC ENVIRONMENTAL MANAGEMENT,

SAMPLE CUSTODY RECORD

BALDWINSVILLE OFFICE
25 ½ Water Street
Baldwinsville, New York 13027
Telephone: (315) 635-8936
Facsimile: (315) 635-2380

SEM Project Number: 3003.0050
SEM Contact Person: Nevin Bradford
Project Location: Canastota, New York

CANTON OFFICE
3 Remington Avenue, Suite D
Canton, New York 13617
Telephone: (315) 386-2736
Facsimile: (315) 386-4736

Laboratory: Life Science Laboratories
Project Identification: NES NYSDEC Spill No. 01-60024/Pin # H-0529
Page _1__ of _1__

Report and Invoice Address: Timothy DiGiulio, P.E.
NYSDEC Region 7
615 Erie Boulevard W.
Syracuse, NY 13202
Phone: 315-426-7471

Client's Sample Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix	Parameters: EPA Method 601 + 602				Notes/Comments
RW-1	8/19/03	1135	Influent-RW-1	2	G	HCl	WW					Hand delivered
WP5D		1131	Influent WP-5D									samples in cooler
PA/PC		1125	Post-Air Stripper (Pre-Carbon)									on ICE
01A		1120	Final GWT System Discharge (Outfall 01A)									
TB		—	Trip Blank									

Copy of Report to: Nevin Bradford
Strategic Environmental Mngt.
25 ½ Water Street
Baldwinsville, New York 13027

Sample Custody — SAMPLE COLLECTION
Name: MARK GRAVES
Signature:
Sample TAT: Normal 14 Day

Sample Custody — RELINQUISH SAMPLE CUSTODY
Name: MARK GRAVES Time: 1448
Signature: Date: 8/19/03
Name: Time:
Signature: Date:

Sample Custody — ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: Time:
Signature: Date:
Laboratory: **Time:** 08-19-03 14:49
Signature: **Date:**

LSL

Tim Digiulio
New York State DEC - Region 7, ER
615 Erie Blvd. W.
Syracuse, NY 13204-2400

Phone: (315) 426-7519
FAX: (315) 426-2653

Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

NYS DEC Spill #: **01-60024**

NYS DEC Pin #: **H-0529**

LSL Project ID: **0313364**

Receive Date/Time: 08/26/03 12:56 **by:** CDG

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

Reviewed By **Date**

Life Science Laboratories, Inc.

LSL Central Lab	LSL North Lab	LSL Finger Lakes Lab	LSL Southern Tier Lab	LSL Middlesex Lab
5854 Butternut Drive	131 St. Lawrence Avenue	16 N. Main St., PO Box 424	30 East Main St.	5611 Water St.
East Syracuse, NY 13057	Waddington, NY 13694	Wayland, NY 14572	Cuba, NY 14727	Middlesex, NY 14507
Tel. (315) 445-1105	Tel. (315) 388-4476	Tel. (585) 728-3320	Tel. (585) 968-2640	Tel. (585) 554-5347
Fax (315) 445-1301	Fax (315) 388-4061	Fax (585) 728-2711	Fax (585) 968-0906	Fax. (585) 554-6743
NYS DOH ELAP #10248	NYS DOH ELAP #10900	NYS DOH ELAP #11667	NYS DOH ELAP #10760	NYS DOH ELAP #11369

A copy of this report was sent to: *Mark Graves*
SEM

Date Printed: 9/5/03

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER *Syracuse, NY*

Sample ID: Outfall 01A **LSL Sample ID:** 0313364-001

Location: NES

Sampled: 08/26/03 8:00 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		9/1/03	BD
Chlorobenzene	<1	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<1	ug/l		9/1/03	BD
Ethyl benzene	<1	ug/l		9/1/03	BD
MTBE	<1	ug/l		9/1/03	BD
Toluene	<1	ug/l		9/1/03	BD
Xylenes (Total)	<1	ug/l		9/1/03	BD
t-Butyl alcohol	<200	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	92	%R		9/1/03	BD
Surrogate (Tol-d8)	119	%R		9/1/03	BD
Surrogate (4-BFB)	110	%R		9/1/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		9/1/03	BD
Bromoform	<1	ug/l		9/1/03	BD
Bromomethane	<1	ug/l		9/1/03	BD
Carbon tetrachloride	<1	ug/l		9/1/03	BD
Chlorobenzene	<1	ug/l		9/1/03	BD
Chloroethane	<1	ug/l		9/1/03	BD
2-Chloroethylvinyl ether	<10	ug/l		9/1/03	BD
Chloroform	<1	ug/l		9/1/03	BD
Chloromethane	<1	ug/l		9/1/03	BD
Dibromochloromethane	<1	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<1	ug/l		9/1/03	BD
Dichlorodifluoromethane	<1	ug/l		9/1/03	BD
1,1-Dichloroethane	<1	ug/l		9/1/03	BD
1,2-Dichloroethane	<1	ug/l		9/1/03	BD
1,1-Dichloroethene	<1	ug/l		9/1/03	BD
trans-1,2-Dichloroethene	<1	ug/l		9/1/03	BD
1,2-Dichloropropane	<1	ug/l		9/1/03	BD
cis-1,3-Dichloropropene	<1	ug/l		9/1/03	BD
trans-1,3-Dichloropropene	<1	ug/l		9/1/03	BD
Methylene chloride	<1	ug/l		9/1/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		9/1/03	BD
Tetrachloroethene	<1	ug/l		9/1/03	BD
1,1,1-Trichloroethane	<1	ug/l		9/1/03	BD
1,1,2-Trichloroethane	<1	ug/l		9/1/03	BD
Trichloroethene	<1	ug/l		9/1/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		9/1/03	BD
Vinyl chloride	<1	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	92	%R		9/1/03	BD
Surrogate (Tol-d8)	119	%R		9/1/03	BD
Surrogate (4-BFB)	110	%R		9/1/03	BD

Life Science Laboratories, Inc.

Date Printed: 9/5/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Post Air Stripper **LSL Sample ID:** 0313364-002

Location: NES

Sampled: 08/26/03 8:05 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		9/1/03	BD
Chlorobenzene	<1	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<1	ug/l		9/1/03	BD
Ethyl benzene	<1	ug/l		9/1/03	BD
MTBE	<1	ug/l		9/1/03	BD
Toluene	<1.5	ug/l		9/1/03	BD
Xylenes (Total)	<1	ug/l		9/1/03	BD
t-Butyl alcohol	<200	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	96	%R		9/1/03	BD
Surrogate (Tol-d8)	118	%R		9/1/03	BD
Surrogate (4-BFB)	108	%R		9/1/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		9/1/03	BD
Bromoform	<1	ug/l		9/1/03	BD
Bromomethane	<1	ug/l		9/1/03	BD
Carbon tetrachloride	<1	ug/l		9/1/03	BD
Chlorobenzene	<1	ug/l		9/1/03	BD
Chloroethane	<1	ug/l		9/1/03	BD
2-Chloroethylvinyl ether	<10	ug/l		9/1/03	BD
Chloroform	<1	ug/l		9/1/03	BD
Chloromethane	<1	ug/l		9/1/03	BD
Dibromochloromethane	<1	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<1	ug/l		9/1/03	BD
Dichlorodifluoromethane	<1	ug/l		9/1/03	BD
1,1-Dichloroethane	<1	ug/l		9/1/03	BD
1,2-Dichloroethane	<1	ug/l		9/1/03	BD
1,1-Dichloroethene	<1	ug/l		9/1/03	BD
trans-1,2-Dichloroethene	<1	ug/l		9/1/03	BD
1,2-Dichloropropane	<1	ug/l		9/1/03	BD
cis-1,3-Dichloropropene	<1	ug/l		9/1/03	BD
trans-1,3-Dichloropropene	<1	ug/l		9/1/03	BD
Methylene chloride	<1	ug/l		9/1/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		9/1/03	BD
Tetrachloroethene	<1	ug/l		9/1/03	BD
1,1,1-Trichloroethane	<1	ug/l		9/1/03	BD
1,1,2-Trichloroethane	<1	ug/l		9/1/03	BD
Trichloroethene	<1	ug/l		9/1/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		9/1/03	BD
Vinyl chloride	<1	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	96	%R		9/1/03	BD
Surrogate (Tol-d8)	118	%R		9/1/03	BD
Surrogate (4-BFB)	108	%R		9/1/03	BD

- - LABORATORY ANALYSIS REPORT - -

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: WP-5d **LSL Sample ID:** 0313364-003

Location: NES

Sampled: 08/26/03 8:10 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		9/1/03	BD
Chlorobenzene	<1	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<1	ug/l		9/1/03	BD
Ethyl benzene	<1	ug/l		9/1/03	BD
MTBE	<1	ug/l		9/1/03	BD
Toluene	<1	ug/l		9/1/03	BD
Xylenes (Total)	<1	ug/l		9/1/03	BD
t-Butyl alcohol	<200	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	97	%R		9/1/03	BD
Surrogate (Tol-d8)	119	%R		9/1/03	BD
Surrogate (4-BFB)	113	%R		9/1/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		9/1/03	BD
Bromoform	<1	ug/l		9/1/03	BD
Bromomethane	<1	ug/l		9/1/03	BD
Carbon tetrachloride	<1	ug/l		9/1/03	BD
Chlorobenzene	<1	ug/l		9/1/03	BD
Chloroethane	14	ug/l		9/1/03	BD
2-Chloroethylvinyl ether	<10	ug/l		9/1/03	BD
Chloroform	<1	ug/l		9/1/03	BD
Chloromethane	<1	ug/l		9/1/03	BD
Dibromochloromethane	<1	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<1	ug/l		9/1/03	BD
Dichlorodifluoromethane	<1	ug/l		9/1/03	BD
1,1-Dichloroethane	<1	ug/l		9/1/03	BD
1,2-Dichloroethane	<1	ug/l		9/1/03	BD
1,1-Dichloroethene	<1	ug/l		9/1/03	BD
trans-1,2-Dichloroethene	<1	ug/l		9/1/03	BD
1,2-Dichloropropane	<1	ug/l		9/1/03	BD
cis-1,3-Dichloropropene	<1	ug/l		9/1/03	BD
trans-1,3-Dichloropropene	<1	ug/l		9/1/03	BD
Methylene chloride	<1	ug/l		9/1/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		9/1/03	BD
Tetrachloroethene	<1	ug/l		9/1/03	BD
1,1,1-Trichloroethane	<1	ug/l		9/1/03	BD
1,1,2-Trichloroethane	<1	ug/l		9/1/03	BD
Trichloroethene	<1	ug/l		9/1/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		9/1/03	BD
Vinyl chloride	55	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	97	%R		9/1/03	BD
Surrogate (Tol-d8)	119	%R		9/1/03	BD
Surrogate (4-BFB)	113	%R		9/1/03	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: RW-1 **LSL Sample ID:** 0313364-004

Location: NES

Sampled: 08/26/03 8:15 **Sampled By:** MG

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<5	ug/l		9/1/03	BD
Chlorobenzene	<5	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<5	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<5	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<5	ug/l		9/1/03	BD
Ethyl benzene	12	ug/l		9/1/03	BD
MTBE	<5	ug/l		9/1/03	BD
Toluene	370	ug/l		9/1/03	BD
Xylenes (Total)	84	ug/l		9/1/03	BD
t-Butyl alcohol	<1000	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	98	%R		9/1/03	BD
Surrogate (Tol-d8)	113	%R		9/1/03	BD
Surrogate (4-BFB)	112	%R		9/1/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		9/1/03	BD
Bromoform	<5	ug/l		9/1/03	BD
Bromomethane	<5	ug/l		9/1/03	BD
Carbon tetrachloride	<5	ug/l		9/1/03	BD
Chlorobenzene	<5	ug/l		9/1/03	BD
Chloroethane	<5	ug/l		9/1/03	BD
2-Chloroethylvinyl ether	<50	ug/l		9/1/03	BD
Chloroform	<5	ug/l		9/1/03	BD
Chloromethane	<5	ug/l		9/1/03	BD
Dibromochloromethane	<5	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<5	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<5	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<5	ug/l		9/1/03	BD
Dichlorodifluoromethane	<5	ug/l		9/1/03	BD
1,1-Dichloroethane	70	ug/l		9/1/03	BD
1,2-Dichloroethane	<5	ug/l		9/1/03	BD
1,1-Dichloroethene	6.1	ug/l		9/1/03	BD
trans-1,2-Dichloroethene	<5	ug/l		9/1/03	BD
1,2-Dichloropropane	<5	ug/l		9/1/03	BD
cis-1,3-Dichloropropene	<5	ug/l		9/1/03	BD
trans-1,3-Dichloropropene	<5	ug/l		9/1/03	BD
Methylene chloride	<5	ug/l		9/1/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		9/1/03	BD
Tetrachloroethene	<5	ug/l		9/1/03	BD
1,1,1-Trichloroethane	50	ug/l		9/1/03	BD
1,1,2-Trichloroethane	<5	ug/l		9/1/03	BD
Trichloroethene	70	ug/l		9/1/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		9/1/03	BD
Vinyl chloride	220	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	98	%R		9/1/03	BD
Surrogate (Tol-d8)	113	%R		9/1/03	BD
Surrogate (4-BFB)	112	%R		9/1/03	BD

Life Science Laboratories, Inc.

Date Printed: 9/5/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

- - LABORATORY ANALYSIS REPORT - -

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Trip Blank **LSL Sample ID:** 0313364-005

Location: NES

Sampled: 08/26/03 0:00 **Sampled By:**

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		9/1/03	BD
Chlorobenzene	<1	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<1	ug/l		9/1/03	BD
Ethyl benzene	<1	ug/l		9/1/03	BD
MTBE	<1	ug/l		9/1/03	BD
Toluene	<1	ug/l		9/1/03	BD
Xylenes (Total)	<1	ug/l		9/1/03	BD
t-Butyl alcohol	<200	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	99	%R		9/1/03	BD
Surrogate (Tol-d8)	121	%R		9/1/03	BD
Surrogate (4-BFB)	111	%R		9/1/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		9/1/03	BD
Bromoform	<1	ug/l		9/1/03	BD
Bromomethane	<1	ug/l		9/1/03	BD
Carbon tetrachloride	<1	ug/l		9/1/03	BD
Chlorobenzene	<1	ug/l		9/1/03	BD
Chloroethane	<1	ug/l		9/1/03	BD
2-Chloroethylvinyl ether	<10	ug/l		9/1/03	BD
Chloroform	<1	ug/l		9/1/03	BD
Chloromethane	<1	ug/l		9/1/03	BD
Dibromochloromethane	<1	ug/l		9/1/03	BD
1,2-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,3-Dichlorobenzene	<1	ug/l		9/1/03	BD
1,4-Dichlorobenzene	<1	ug/l		9/1/03	BD
Dichlorodifluoromethane	<1	ug/l		9/1/03	BD
1,1-Dichloroethane	<1	ug/l		9/1/03	BD
1,2-Dichloroethane	<1	ug/l		9/1/03	BD
1,1-Dichloroethene	<1	ug/l		9/1/03	BD
trans-1,2-Dichloroethene	<1	ug/l		9/1/03	BD
1,2-Dichloropropane	<1	ug/l		9/1/03	BD
cis-1,3-Dichloropropene	<1	ug/l		9/1/03	BD
trans-1,3-Dichloropropene	<1	ug/l		9/1/03	BD
Methylene chloride	<1	ug/l		9/1/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		9/1/03	BD
Tetrachloroethene	<1	ug/l		9/1/03	BD
1,1,1-Trichloroethane	<1	ug/l		9/1/03	BD
1,1,2-Trichloroethane	<1	ug/l		9/1/03	BD
Trichloroethene	<1	ug/l		9/1/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		9/1/03	BD
Vinyl chloride	<1	ug/l		9/1/03	BD
Surrogate (1,2-DCA-d4)	99	%R		9/1/03	BD
Surrogate (Tol-d8)	121	%R		9/1/03	BD
Surrogate (4-BFB)	111	%R		9/1/03	BD

Life Science Laboratories, Inc.

Date Printed: 9/5/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

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

STRATEGIC ENVIRONMENTAL MANAGEMENT

0313364
NYSDEC7SyrCR

SAMPLE CUSTODY RECORD

BALDWINSVILLE OFFICE
25 ½ Water Street
Baldwinsville, New York 13027
Telephone: (315) 635-8936
Facsimile: (315) 635-2380

Former NES Site, Canastota
SEM Project Number: 3003.050
SEM Contact Person: Mark Graves
Project Location: Canastota, New York

3 Remington Avenue, Suite D
Canton, New York 13617
Telephone: (315) 386-2736
Facsimile: (315) 386-4736

Laboratory: LSL
Project Identification: weekly monitoring
Page 1 of 1

Facsimile Reports to: Baldwinsville
Mail Reports to: Baldwinsville
Mail Invoice to: NYSDEC

Laboratory Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix	Parameters: EPA 601/602					Notes/Comments
O1A	8/26/03	0800	Outfall O1A	2	G	HCL	NPW						Original Report/Invoice To: Timothy Digiulio NYSDEC Region 7
PA/PC		0805	Post Air Stripper										617 Erie Blvd. West Syracuse, NY 13202
WP5d		0810	WP-5d										
RW-1		0815	RW-1										Copy of Report to: SEM/Baldwinsville Attn: Mark Graves
TB		—	Trip Blank										

Sample Custody — SAMPLE COLLECTION
Name: MARK GRAVES
Signature: Mark Graves
Sample TAT: per contract

Sample Custody — RELINQUISH SAMPLE CUSTODY
Name: Mark Graves Time: 1255
Signature: MARK GRAVES Date: 8/26/03
Name: Time:
Signature: Date:

Sample Custody — ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: Time:
Signature: Date:
Laboratory: Time: 12:56
Signature: Date: