Strategic Environmental Management, Inc.

December 22, 2003

Ms. Christine Rossi
New York State Department of Environmental Conservation
Division of Environmental Remediation-Region 7
615 Erie Boulevard West
Syracuse, New York 13202

Reference: Groundwater Recovery and Treatment System Operation, Monitoring, and Maintenance Summary-November 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: 3003.0050.12.03

Dear Ms. Rossi:

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 November 21, 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 five 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. This liquid is combined with the influent flow to the top tray of the airstripper. This action ensures adequate treatment of the backflushed liquid.

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Detectable VOC's were not reported in any of the discharge samples collected from outfall 001A during the month of November 2003.

During the weekly site visit of November 3, 2003, the flow meter for WP5-D was observed to not be functioning properly. The meter was cleaned of fine sand, however flow could not be restored as the supply line from WP-5D was apparently clogged.

On November 7, 2003, SEM personnel, with assistance of Op-Tech personnel, removed the suction line from the supply well WP-5D. The line was flushed using high pressure air generated with a trailer mounted compressor to remove any potential blockage. Additionally, the foot valve was pulled up and approximately 16 inches of the supply line was removed to prevent additional fine sediment from being drawn into the well or accumulating in the supply line. The well pump was primed and flow to the air-stripper was re-established. The flowmeter for RW-1 was cleaned of fine sand and silt during the site visit of November 17, 2003, and has since been operating properly.

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 November 3 (November 3)
- Week of November 10 (November 11)
- Week of November 17 (November 17)
- Week of November 24 (November 25)

The results of the analyses are summarized in Attachment A.

In addition to monitoring the groundwater treatment system discharge for VOC's, a sample is submitted approximately monthly for analysis of pH. The discharge limits as specified by the SPDES permit are restricted to a range of 6.5-8.5 standard units. The results, as reported

by the lab, are tabulated below, and have consistently been within the required range. The lab reports are included as an attachment (Attachment D).

Tabulation of pH Analyses – Outfall 001A

Date	pH (standard units)
6/19/03	8.2
7/2/03	7.3
7/23/03	7.9
8/13/03	7.8
9/08/03	7.8
10/7/03	8.0
11/3/03	7.7

A log of magnehelic readings for the air stripper which have been recorded since the month of June 2003 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 physical/manual cleaning event of June 4, 2003, the sump pressure was measured at 9.75 inches of water column (in. w.c.).

Tabulation of Air-stripper Sump Magnehelic Readings

Date	Magnehelic Gauge (in. w.c.)
6/5/03*	9.75
6/10/03	10.5
6/12/03	10.5
6/19/03	10.75
6/26/03	11.25
7/2/03	11.25
7/8/03	11.6
7/15/03	12.0
7/22/03	13.0
7/29/03	13.0
8/5/03	13.5
8/13/03**	13.6
8/19/03	14.25
8/26/03	14.5
9/2/03	15.0
9/8/03	15.0
9/10/03*	15.0
9/16/03	10.75
9/22/03	11.25
9/30/03	12.0
10/07/03	13.5
10/13/03	13.75
10/21/03	14.25
10/28/03*	14.75
10/30/03	10.75
11/03/03	11.5
11/07/03	12.0
11/11/03	12.5
11/17/03	13.25
11/25/03	13.5

*Air Stripper cleaned 6/5, 9/10, 10/28/03
** Carbon media changed 8/11/03

Discussion:

In general, the occurrence of iron deposition in the treatment system has historically resulted in the reduced operational efficiency of the treatment system at the former NES facility site. The use of the air stripper sump magnehelic gauge readings as a tool for scheduling routine cleaning of the diffusion trays of the air stripper should help prevent the occurrence of VOC's in the treatment system discharge.

The limited capacity of the carbon filters to provide adequate backup for VOC removal has prompted SEM to schedule the cleaning events based on the observation of the air-stripper sump magnehelic gauge reading. Previous analytical results have shown that the gauge reading is a useful predictive tool and has been effective in preventing discharge of VOC's to the outfall of the treatment system.

Periodic interruption by high water levels in the air stripper sump has again been observed during site visits in November, indicating that pervasive iron precipitation continues to limit the effectiveness of the GAC filters in particular and the GW recovery system in general. The overall hydraulic control of the recovery wells would be increased by maximizing the operation of the recovery well pumps. Currently the recovery well pumps are automatically shut down when the air stripper sump becomes full of water. This generally occurs when the GAC filters become clogged with precipitated iron thus lowering the discharge flow rate to the outfall. The recovery pumps automatically restart once the stripper sump volume has been reduced to the optimal operating level. It is expected that this scenario can be best addressed in the short term by increasing the frequency of back flushing to every 3 to 4 days if the GAC filters are to remain in service.

To adequately ensure effective backup, it may be necessary to change the carbon media on a more frequent basis or go to a faster turnaround time on the analysis of the sample collected from the outfall.

Conclusions and Recommendations:

It has been demonstrated that it will be prudent to undertake physical cleaning of the air stripper trays once the sump pressure reaches 13.5 to 14.0 in.w.c. During the site visit of November 25, 2003 the magnehelic gauge was observed to read 13.5 in. w.c. so SEM arranged to have the air-stripper trays cleaned on December 5, 2003. This will ensure restoration of VOC removal efficiency before a discharge could occur. Also, in general, a regimen of increased back-flushing frequency of the GAC filters would improve the groundwater recovery volume at the site.

Due to the occurrence of VOC reported for the 001A discharge sample collected October 28, 2003, it is assumed that the VOC removal capacity of the carbon media may be exhausted. SEM arranged for the replacement of the carbon filtration media to coincide with the next

physical cleaning event for the air-stripper. This work was conducted on December 5, 2003, and will be summarized in the December monthly summary report.

To reduce the ongoing expense of laboratory analyses it may be prudent to reduce the frequency of influent sampling to once per month. Historic analytical data reported for the site indicates relatively consistent loading to the treatment system of approximately 500 to 2000 ppb total VOC from RW-1 and 50 to 100 ppb VOC from WP-5D.

A log of operational parameters and maintenance activities (Appendix A), and a tabulation of flow volumes vs. analysis results (Appendix B) are attached to allow convenient reference. Copies of the laboratory analysis results are tabulated as tables 1-4 and included in Appendix C, sample custody documentation associated with the various sampling events are also attached as Appendix D.

The next monthly summary of operation, monitoring and maintenance activities for the month of December will be submitted in January. 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: John Witz-Op-Tech Environmental Services, Inc., with attachments

Attachment A

Tabulation of VOCs vs. SPDES Discharge Limitations

ATTACHMENT A

Former NES Facility,Canastota, New York

NYSDEC Spill No. 01-60024

Tabulation of VOCs vs. SPDES Discharge Limitations

System O&M Sampling-November 03, 2003

Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	**Final System Discharge (Outfall 01A)**	**SPDES Discharge Limit**
Benzene	<5	NC	<5	<5	10
Ethyl Benzene	**26**	NC	<5	<5	10
Toluene	**550**	NC	<5	<5	10
Xylenes (total)	**140**	NC	<5	<5	10
Cabon Tetrachloride	<5	NC	<5	<5	10
Chloroethane	<5	NC	<5	<5	30
Chloroform	<5	NC	<5	<5	10
1,1-Dichloroethane	**76**	NC	<5	<5	10
1,2-Dichloroethane	<5	NC	<5	<5	10
1,1-Dichloroethene	6.4	NC	<5	<5	10
t-1,2-Dichloroethene	5.4	NC	<5	<5	30
Methylene Chloride	<5	NC	<5	<5	10
Tetrachloroethene	<5	NC	<5	<5	3
1,1,2-Trichloroethane	<5	NC	<5	<5	Monitor
1,2,4-Trimethylbenzene	<5	NC	<5	<5	10
Trichlorofluoro-methane	<5	NC	<5	<5	10
Trimethylbenzene	<5	NC	<5	<5	10
1,1,1-trichloroethane	**50**	NC	<5	<5	10
Trichloroethene	**71**	NC	<5	<5	10
Vinyl Chloride	**230**	NC	<5	<5	50
Total VOC's	1154.8	0	0	0	NA
pH - std units	NC	NC	NC	7.7	6.5-8.5

Notes: NC=Not Collected

ATTACHMENT A

Former NES Facility,Canastota, New York

NYSDEC Spill No. 01-60024

Tabulation of VOCs vs. SPDES Discharge Limitations

System O&M Sampling-November 11, 2003

Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	**Final System Discharge (Outfall 01A)**	**SPDES Discharge Limit**
Benzene	<1	<1	<1	<1	10
Ethyl Benzene	<1	<1	<1	<1	10
Toluene	**150**	<1	<1	<1	10
Xylenes (total)	**20**	<1	<1	<1	10
Cabon Tetrachloride	<1	<1	<1	<1	10
Chloroethane	<1	**7.7**	<1	<1	30
Chloroform	<1	<1	<1	<1	10
1,1-Dichloroethane	**51**	<1	<1	<1	10
1,2-Dichloroethane	<1	<1	<1	<1	10
1,1-Dichloroethene	**6.2**	<1	<1	<1	10
t-1,2-Dichloroethene	<1	<1	<1	<1	30
Methylene Chloride	<1	<1	<1	<1	10
Tetrachloroethene	<1	<1	<1	<1	3
1,1,2-Trichloroethane	<1	<1	<1	<1	Monitor
1,2,4-Trimethylbenzene	<1	<1	<1	<1	10
Trichlorofluoro-methane	<1	<1	<1	<1	10
Trimethylbenzene	<1	<1	<1	<1	10
1,1,1-trichloroethane	**56**	<1	<1	<1	10
Trichloroethene	**75**	<1	<1	<1	10
Vinyl Chloride	**130**	**55**	<1	<1	50
Total VOC's	488.2	62.7	0	0	NA

ATTACHMENT C

Former NES Facility,Canastota, New York

NYSDEC Spill No. 01-60024

Tabulation of VOCs vs. SPDES Discharge Limitations

System O&M Sampling-November 17, 2003

Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	**Final System Discharge (Outfall 01A)**	**SPDES Discharge Limit**
Benzene	<1	<1	<1	<1	10
Ethyl Benzene	**42**	<1	<1	<1	10
Toluene	**670**	<1	<1	<1	10
Xylenes (total)	**180**	<1	<1	<1	10
Cabon Tetrachloride	<1	<1	<1	<1	10
Chloroethane	<1	**9.6**	<1	<1	30
Chloroform	**6.2**	<1	<1	<1	10
1,1-Dichloroethane	72	<1	<1	<1	10
1,2-Dichloroethane	<1	<1	<1	<1	10
1,1-Dichloroethene	<1	<1	<1	<1	10
t-1,2-Dichloroethene	<1	<1	<1	<1	30
Methylene Chloride	<1	<1	<1	<1	10
Tetrachloroethene	<1	<1	<1	<1	3
1,1,2-Trichloroethane	<1	<1	<1	<1	Monitor
1,2,4-Trimethylbenzene	<1	<1	<1	<1	10
Trichlorofluoro-methane	<1	<1	<1	<1	10
Trimethylbenzene	<1	<1	<1	<1	10
1,1,1-trichloroethane	**43**	<1	<1	<1	10
Trichloroethene	**46**	<1	<1	<1	10
Vinyl Chloride	**300**	**58**	<1	<1	50
Total VOC's	1359.2	67.6	0	0	NA
pH - std units	NC	NC	NC	7.7	6.5-8.5

Notes: NC=Not Collected

ATTACHMENT C

Former NES Facility,Canastota, New York

NYSDEC Spill No. 01-60024

Tabulation of VOCs vs. SPDES Discharge Limitations

System O&M Sampling-November 25, 2003

Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	**Final System Discharge (Outfall 01A)**	**SPDES Discharge Limit**
Benzene		<1	<1	<1	10
Ethyl Benzene	**80**	<1	<1	<1	10
Toluene	**1200**	<1	<1	<1	10
Xylenes (total)	**330**	<1	<1	<1	10
Cabon Tetrachloride	<10	<1	<1	<1	10
Chloroethane	<10	8.6	<1	<1	30
Chloroform	<10	<1	<1	<1	10
1,1-Dichloroethane	**110**	<1	<1	<1	10
1,2-Dichloroethane	<10	<1	<1	<1	10
1,1-Dichloroethene	<10	<1	<1	<1	10
t-1,2-Dichloroethene	<10	<1	<1	<1	30
Methylene Chloride	<10	<1	<1	<1	10
Tetrachloroethene	<10	<1	<1	<1	3
1,1,2-Trichloroethane	<10	<1	<1	<1	Monitor
1,2,4-Trimethylbenzene	<10	<1	<1	<1	10
Trichlorofluoro-methane	<10	<1	<1	<1	10
Trimethylbenzene	<10	<1	<1	<1	10
1,1,1-trichloroethane	**58**	<1	<1	<1	10
Trichloroethene	**62**	<1	<1	<1	10
Vinyl Chloride	**480**	**50**	<1	<1	50
Total VOC's	2320	58.6	0	0	NA
pH - std units	NC	NC	NC	NC	6.5-8.5

Notes: NC=Not Collected

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 (gals)**	**Δ**	**AVE Flow rate (gpm)**	**WP-5D (gals)**	**Δ**	**AVE Flow rate (gpm)**	**RW-1 Inf.**	**WP-5D Inf.**	**AS Discharge**	**Final Discharge (OUTFALL 001A)**	**Cumulative Gallons (RW-1 and WP-5D)**
10/07/03	0915	2,177,380	81,080	8.08	2,406,050	47,260	4.71	482.2	71	ND	ND	128,340
10/13/03	1015	2,246,490	69,110	7.94	2,446,290	40,240	4.63	438.2	59.7	ND	ND	109,350
10/21/03	0845	2,355,355	108,865	9.53	2,509,292	63,002	5.51	834.9	66.0	ND	ND	171,867
10/28/03	1130	2,461,140	105,785	10.33	2,569,600	60,308	5.89	1150.9	31.3	ND	1.7	166,093
11/3/03	1130	2,526,160	65,020	7.52	2,569,832	232*	0.03	1154.8	NC*	ND	ND	65,232
11/11/03	1200	2,645,170	119,010	10.3	2,602,040	32,208	2.79	488.2	62.7	ND	ND	151,218
11/17/03	0900	2,693,350	48,180	5.7	2,645,760	43,720	5.17	1,359.2	67.6	ND	ND	91,900
11/25/03	1100	2,731,010	37,660	3.24	2,675,090	29,330	3.47	2,320	58.6	ND	ND	66,990

NOTE:

- * = WP5-D flow meter clogged with fine sand
- NC = Not Collected

Attachment C

Groundwater recovery and Treatment System Operations and Maintenance Logs

ATTACHMENT C

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

October 2003						
10/07/03	0915	2,177,380	10.5	2,406,050	6.1	System operating at high discharge pressure upon arrival, Collected O&M samples and data. Backflushed Carbon filters, transport samples on ice to LSL.
10/13/03	1015	2,246,490	10.1	2,446,290	5.9	System operating at high discharge pressure upon arrival, resticted flow noted at outfall during sampling. Collected O&M samples and data. Backflushed Carbon filters, transport samples on ice to LSL.
10/21/03	0845	2,355,355	10.1	2,509,292	5.9	System operating at high discharge pressure upon arrival, Collected O&M samples and data. Backflushed Carbon filters, transport samples on ice to LSL.
10/28/03	1140	2,461,140	10.0	2,569,600	5.9	System operating at high discharge pressure upon arrival, Collected O&M samples and data. Backflushed Carbon filters, transport samples on ice to LSL. Cleaned airstripper diffusion trays.
November 2003						
11/03/03	1130	2,526,160	10.1	2,569,833	0	System operating upon arrival, discharge pump in off cycles, no restricted flow output, although discharge pressure somewhat high. Pump out floor sump and settling drums, collected O&M data and samples. Backflush carbon filters and attempt to clean WP-5D flow meter pump not pumping water-line clogged apparently.
11/07/03	1550	2,591,140	10.1	2,570,050	5.7	On site to troubleshoot lack of water from WP-5D recovery pump and presence of sand in stripper. 2 inches of water on floor, sump pump not operable. Went to store to get replacement. Op-Tech to send crew to make repairs to WP-5D pump/foot valve. Drum #3 leaking around flange. Blew out line with air compressor, pulled up foot valve and shortened suction line by 16 inches. Pulled pump apart to check impeller, cracked in two places, but functional. Cleaned mud out of WP-5D flow meter. Restarted system-flow OK. Backflushed carbon filters to reduce high discharge pressure.
11/11/03	1200	2,645,170	10.1	2,602,040	5.8	System operating in high water status upon arrival. 1-2 inches of water on floor. Started sump pump. Discharge pump running at high water pressure and water is leaking from flange of #3 filter. Collected O&M samples and data. Pump out settling drums and backflush carbon filters. Attempted to start big electric heater-makes humming sound and fan does not spin-left breaker off.

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

ATTACHMENT C

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

November 2003						
11/17/03	0900	2,693,350	NA	2,645,760	4.9	System functioning upon arrival. Attempted to pump out floor sump and pump NF. Cleaned intake screen and impeller, pumped out sump and settling drum. Collected O&M data and samples. RW1 flow meter not functioning-cleaned of sediments. Backflushed carbon filters, disassembled and removed fine sand and salt.
11/25/03	1100	2,731,010	10.0	2,675,090	5.9	System in high water status and water on floor to depth of 1-2 inches. Turned on floor sump to pump water off floor to stripper. Pumped out settling drums, backflushed carbon filters, collected O&M data and samples. Repaired plug on heater.

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

Attachment D

Laboratory Analysis Results and Chain of Custody Documentation

11/03/03

LSL

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

Phone: (315) 426-7519
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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: **0317493**

Receive Date/Time: 11/04/03 8:05 **by:** TO

"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."

jlm QC, QCC 11-14-03

Reviewed By **Date**

Life Science Laboratories, Inc.

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NYS DOH ELAP #11369

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

Date Printed: 11/14/03

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

Sample ID: Influent-RW-1 **LSL Sample ID:** –0317493-001

Location: NES

Sampled: 11/03/03 0:00 **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	<5	ug/l		11/10/03	BD
Chlorobenzene	<5	ug/l		11/10/03	BD
1,2-Dichlorobenzene	<5	ug/l		11/10/03	BD
1,3-Dichlorobenzene	<5	ug/l		11/10/03	BD
1,4-Dichlorobenzene	<5	ug/l		11/10/03	BD
Ethyl benzene	26	ug/l		11/10/03	BD
MTBE	<5	ug/l		11/10/03	BD
Toluene	550	ug/l		11/10/03	BD
Xylenes (Total)	140	ug/l		11/10/03	BD
t-Butyl alcohol	<1000	ug/l		11/10/03	BD
Surrogate (1,2-DCA-d4)	101	%R		11/10/03	BD
Surrogate (Tol-d8)	106	%R		11/10/03	BD
Surrogate (4-BFB)	112	%R		11/10/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		11/10/03	BD
Bromoform	<5	ug/l		11/10/03	BD
Bromomethane	<5	ug/l		11/10/03	BD
Carbon tetrachloride	<5	ug/l		11/10/03	BD
Chlorobenzene	<5	ug/l		11/10/03	BD
Chloroethane	<5	ug/l		11/10/03	BD
2-Chloroethylvinyl ether	<50	ug/l		11/10/03	BD
Chloroform	<5	ug/l		11/10/03	BD
Chloromethane	<5	ug/l		11/10/03	BD
Dibromochloromethane	<5	ug/l		11/10/03	BD
1,2-Dichlorobenzene	<5	ug/l		11/10/03	BD
1,3-Dichlorobenzene	<5	ug/l		11/10/03	BD
1,4-Dichlorobenzene	<5	ug/l		11/10/03	BD
Dichlorodifluoromethane	<5	ug/l		11/10/03	BD
1,1-Dichloroethane	76	ug/l		11/10/03	BD
1,2-Dichloroethane	<5	ug/l		11/10/03	BD
1,1-Dichloroethene	6.4	ug/l		11/10/03	BD
trans-1,2-Dichloroethene	5.4	ug/l		11/10/03	BD
1,2-Dichloropropane	<5	ug/l		11/10/03	BD
cis-1,3-Dichloropropene	<5	ug/l		11/10/03	BD
trans-1,3-Dichloropropene	<5	ug/l		11/10/03	BD
Methylene chloride	<5	ug/l		11/10/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		11/10/03	BD
Tetrachloroethene	<5	ug/l		11/10/03	BD
1,1,1-Trichloroethane	50	ug/l		11/10/03	BD
1,1,2-Trichloroethane	<5	ug/l		11/10/03	BD
Trichloroethene	71	ug/l		11/10/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		11/10/03	BD
Vinyl chloride	230	ug/l		11/10/03	BD
Surrogate (1,2-DCA-d4)	101	%R		11/10/03	BD
Surrogate (Tol-d8)	106	%R		11/10/03	BD
Surrogate (4-BFB)	112	%R		11/10/03	BD

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

Sample ID: Post-Air Striper (Pre-Carbon) **LSL Sample ID:** -0317493-002

Location: NES

Sampled: 11/03/03 0:00 **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		11/11/03	BD
Chlorobenzene	<1	ug/l		11/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/11/03	BD
Ethyl benzene	<1	ug/l		11/11/03	BD
MTBE	<1	ug/l		11/11/03	BD
Toluene	<1	ug/l		11/11/03	BD
Xylenes (Total)	<1	ug/l		11/11/03	BD
t-Butyl alcohol	<200	ug/l		11/11/03	BD
Surrogate (1,2-DCA-d4)	105	%R		11/11/03	BD
Surrogate (Tol-d8)	111	%R		11/11/03	BD
Surrogate (4-BFB)	113	%R		11/11/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/11/03	BD
Bromoform	<1	ug/l		11/11/03	BD
Bromomethane	<1	ug/l		11/11/03	BD
Carbon tetrachloride	<1	ug/l		11/11/03	BD
Chlorobenzene	<1	ug/l		11/11/03	BD
Chloroethane	<1	ug/l		11/11/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/11/03	BD
Chloroform	<1	ug/l		11/11/03	BD
Chloromethane	<1	ug/l		11/11/03	BD
Dibromochloromethane	<1	ug/l		11/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/11/03	BD
Dichlorodifluoromethane	<1	ug/l		11/11/03	BD
1,1-Dichloroethane	<1	ug/l		11/11/03	BD
1,2-Dichloroethane	<1	ug/l		11/11/03	BD
1,1-Dichloroethene	<1	ug/l		11/11/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/11/03	BD
1,2-Dichloropropane	<1	ug/l		11/11/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/11/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/11/03	BD
Methylene chloride	<1	ug/l		11/11/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/11/03	BD
Tetrachloroethene	<1	ug/l		11/11/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/11/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/11/03	BD
Trichloroethene	<1	ug/l		11/11/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/11/03	BD
Vinyl chloride	<1	ug/l		11/11/03	BD
Surrogate (1,2-DCA-d4)	105	%R		11/11/03	BD
Surrogate (Tol-d8)	111	%R		11/11/03	BD
Surrogate (4-BFB)	113	%R		11/11/03	BD

Life Science Laboratories, Inc.

Date Printed: 11/14/03

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

Sample ID: **Final GWT System Discharge (Outfall 01A)** **LSL Sample ID:** **-0317493-003**

Location: NES

Sampled: 11/03/03 0:00 **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		11/11/03	BD
Chlorobenzene	<1	ug/l		11/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/11/03	BD
Ethyl benzene	<1	ug/l		11/11/03	BD
MTBE	<1	ug/l		11/11/03	BD
Toluene	<1	ug/l		11/11/03	BD
Xylenes (Total)	<1	ug/l		11/11/03	BD
t-Butyl alcohol	<200	ug/l		11/11/03	BD
Surrogate (1,2-DCA-d4)	104	%R		11/11/03	BD
Surrogate (Tol-d8)	109	%R		11/11/03	BD
Surrogate (4-BFB)	113	%R		11/11/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/11/03	BD
Bromoform	<1	ug/l		11/11/03	BD
Bromomethane	<1	ug/l		11/11/03	BD
Carbon tetrachloride	<1	ug/l		11/11/03	BD
Chlorobenzene	<1	ug/l		11/11/03	BD
Chloroethane	<1	ug/l		11/11/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/11/03	BD
Chloroform	<1	ug/l		11/11/03	BD
Chloromethane	<1	ug/l		11/11/03	BD
Dibromochloromethane	<1	ug/l		11/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/11/03	BD
Dichlorodifluoromethane	<1	ug/l		11/11/03	BD
1,1-Dichloroethane	<1	ug/l		11/11/03	BD
1,2-Dichloroethane	<1	ug/l		11/11/03	BD
1,1-Dichloroethene	<1	ug/l		11/11/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/11/03	BD
1,2-Dichloropropane	<1	ug/l		11/11/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/11/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/11/03	BD
Methylene chloride	<1	ug/l		11/11/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/11/03	BD
Tetrachloroethene	<1	ug/l		11/11/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/11/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/11/03	BD
Trichloroethene	<1	ug/l		11/11/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/11/03	BD
Vinyl chloride	<1	ug/l		11/11/03	BD
Surrogate (1,2-DCA-d4)	104	%R		11/11/03	BD
Surrogate (Tol-d8)	109	%R		11/11/03	BD
Surrogate (4-BFB)	113	%R		11/11/03	BD

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

Sample ID: **Final GWT System Discharge (Outfall 01A)** **LSL Sample ID:** **-0317493-003**

Location: NES

Sampled: 11/03/03 0:00 **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	7.7	Std. Units		11/4/03 13:04	DSB
pH Measurement Temperature	25	Degrees C		11/4/03 13:04	DSB

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

Sample ID: Trip Blank **LSL Sample ID:** -0317493-004

Location: NES

Sampled: 11/03/03 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		11/11/03	BD
Chlorobenzene	<1	ug/l		11/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/11/03	BD
Ethyl benzene	<1	ug/l		11/11/03	BD
MTBE	<1	ug/l		11/11/03	BD
Toluene	<1	ug/l		11/11/03	BD
Xylenes (Total)	<1	ug/l		11/11/03	BD
t-Butyl alcohol	<200	ug/l		11/11/03	BD
Surrogate (1,2-DCA-d4)	108	%R		11/11/03	BD
Surrogate (Tol-d8)	106	%R		11/11/03	BD
Surrogate (4-BFB)	114	%R		11/11/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/11/03	BD
Bromoform	<1	ug/l		11/11/03	BD
Bromomethane	<1	ug/l		11/11/03	BD
Carbon tetrachloride	<1	ug/l		11/11/03	BD
Chlorobenzene	<1	ug/l		11/11/03	BD
Chloroethane	<1	ug/l		11/11/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/11/03	BD
Chloroform	<1	ug/l		11/11/03	BD
Chloromethane	<1	ug/l		11/11/03	BD
Dibromochloromethane	<1	ug/l		11/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/11/03	BD
Dichlorodifluoromethane	<1	ug/l		11/11/03	BD
1,1-Dichloroethane	<1	ug/l		11/11/03	BD
1,2-Dichloroethane	<1	ug/l		11/11/03	BD
1,1-Dichloroethene	<1	ug/l		11/11/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/11/03	BD
1,2-Dichloropropane	<1	ug/l		11/11/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/11/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/11/03	BD
Methylene chloride	<1	ug/l		11/11/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/11/03	BD
Tetrachloroethene	<1	ug/l		11/11/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/11/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/11/03	BD
Trichloroethene	<1	ug/l		11/11/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/11/03	BD
Vinyl chloride	<1	ug/l		11/11/03	BD
Surrogate (1,2-DCA-d4)	108	%R		11/11/03	BD
Surrogate (Tol-d8)	106	%R		11/11/03	BD
Surrogate (4-BFB)	114	%R		11/11/03	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

0317493
NYSDEC7SyrCR

STRATEGIC ENVIRONMENTAL MANAGEM

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	Parameters: pH	Parameters	Parameters	Notes/Comments
001 AB	11/3/03		Influent-RW-1	2	G	HCl	NPW	X				
			Influent WP-5D	2				X				not collected
002 AB			Post-Air Stripper (Pre-Carbon)	2				X				
003 AB			Final GWT System Discharge (Outfall 01A)	2/1		unpres		X	X			
004 AB			Trip Blank	2				X				

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

Sample Custody SAMPLE COLLECTION	Sample Custody RELINQUISH SAMPLE CUSTODY	Sample Custody ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: MARK GRAVES	Name: MARK GRAVES Time:	Name: Time:
Signature: Mark Graves	Signature: Mark Graves Date:	Signature: Date:
Sample TAT: Normal 14 Day	Name: Time:	Laboratory: Time:
	Signature: Date:	Signature: 11-04-03 08:05 RCVI

11 NOV. 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: **0317979**

Receive Date/Time: 11/11/03 13:12 **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."

Jill M Cox BCC 11-17-03

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: 11/14/03

-- LABORATORY ANALYSIS REPORT --

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

Sample ID: Influent-RW-1 **LSL Sample ID:** 0317979-001
Location: NES
Sampled: 11/11/03 11:40 **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	<5	ug/l		11/13/03	BD
Chlorobenzene	<5	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<5	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<5	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<5	ug/l		11/13/03	BD
Ethyl benzene	<5	ug/l		11/13/03	BD
MTBE	<5	ug/l		11/13/03	BD
Toluene	150	ug/l		11/13/03	BD
Xylenes (Total)	20	ug/l		11/13/03	BD
t-Butyl alcohol	<1000	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	89	%R		11/13/03	BD
Surrogate (Tol-d8)	100	%R		11/13/03	BD
Surrogate (4-BFB)	92	%R		11/13/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		11/13/03	BD
Bromoform	<5	ug/l		11/13/03	BD
Bromomethane	<5	ug/l		11/13/03	BD
Carbon tetrachloride	<5	ug/l		11/13/03	BD
Chlorobenzene	<5	ug/l		11/13/03	BD
Chloroethane	<5	ug/l		11/13/03	BD
2-Chloroethylvinyl ether	<50	ug/l		11/13/03	BD
Chloroform	<5	ug/l		11/13/03	BD
Chloromethane	<5	ug/l		11/13/03	BD
Dibromochloromethane	<5	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<5	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<5	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<5	ug/l		11/13/03	BD
Dichlorodifluoromethane	<5	ug/l		11/13/03	BD
1,1-Dichloroethane	51	ug/l		11/13/03	BD
1,2-Dichloroethane	<5	ug/l		11/13/03	BD
1,1-Dichloroethene	6.2	ug/l		11/13/03	BD
trans-1,2-Dichloroethene	<5	ug/l		11/13/03	BD
1,2-Dichloropropane	<5	ug/l		11/13/03	BD
cis-1,3-Dichloropropene	<5	ug/l		11/13/03	BD
trans-1,3-Dichloropropene	<5	ug/l		11/13/03	BD
Methylene chloride	<5	ug/l		11/13/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		11/13/03	BD
Tetrachloroethene	<5	ug/l		11/13/03	BD
1,1,1-Trichloroethane	56	ug/l		11/13/03	BD
1,1,2-Trichloroethane	<5	ug/l		11/13/03	BD
Trichloroethene	75	ug/l		11/13/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		11/13/03	BD
Vinyl chloride	130	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	89	%R		11/13/03	BD
Surrogate (Tol-d8)	100	%R		11/13/03	BD
Surrogate (4-BFB)	92	%R		11/13/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID: Influent WP-5D **LSL Sample ID:** 0317979-002

Location: NES

Sampled: 11/11/03 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	<1	ug/l		11/13/03	BD
Chlorobenzene	<1	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/13/03	BD
Ethyl benzene	<1	ug/l		11/13/03	BD
MTBE	<1	ug/l		11/13/03	BD
Toluene	<1	ug/l		11/13/03	BD
Xylenes (Total)	<1	ug/l		11/13/03	BD
t-Butyl alcohol	<200	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	94	%R		11/13/03	BD
Surrogate (Tol-d8)	102	%R		11/13/03	BD
Surrogate (4-BFB)	93	%R		11/13/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/13/03	BD
Bromoform	<1	ug/l		11/13/03	BD
Bromomethane	<1	ug/l		11/13/03	BD
Carbon tetrachloride	<1	ug/l		11/13/03	BD
Chlorobenzene	<1	ug/l		11/13/03	BD
Chloroethane	7.7	ug/l		11/13/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/13/03	BD
Chloroform	<1	ug/l		11/13/03	BD
Chloromethane	<1	ug/l		11/13/03	BD
Dibromochloromethane	<1	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/13/03	BD
Dichlorodifluoromethane	<1	ug/l		11/13/03	BD
1,1-Dichloroethane	<1	ug/l		11/13/03	BD
1,2-Dichloroethane	<1	ug/l		11/13/03	BD
1,1-Dichloroethene	<1	ug/l		11/13/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/13/03	BD
1,2-Dichloropropane	<1	ug/l		11/13/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/13/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/13/03	BD
Methylene chloride	<1	ug/l		11/13/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/13/03	BD
Tetrachloroethene	<1	ug/l		11/13/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/13/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/13/03	BD
Trichloroethene	<1	ug/l		11/13/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/13/03	BD
Vinyl chloride	55	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	94	%R		11/13/03	BD
Surrogate (Tol-d8)	102	%R		11/13/03	BD
Surrogate (4-BFB)	93	%R		11/13/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID: Post-Air Stripper (Pre-Carbon) **LSL Sample ID:** 0317979-003

Location: NES

Sampled: 11/11/03 11:45 **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		11/13/03	BD
Chlorobenzene	<1	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/13/03	BD
Ethyl benzene	<1	ug/l		11/13/03	BD
MTBE	<1	ug/l		11/13/03	BD
Toluene	<1	ug/l		11/13/03	BD
Xylenes (Total)	<1	ug/l		11/13/03	BD
t-Butyl alcohol	<200	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	94	%R		11/13/03	BD
Surrogate (Tol-d8)	103	%R		11/13/03	BD
Surrogate (4-BFB)	91	%R		11/13/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/13/03	BD
Bromoform	<1	ug/l		11/13/03	BD
Bromomethane	<1	ug/l		11/13/03	BD
Carbon tetrachloride	<1	ug/l		11/13/03	BD
Chlorobenzene	<1	ug/l		11/13/03	BD
Chloroethane	<1	ug/l		11/13/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/13/03	BD
Chloroform	<1	ug/l		11/13/03	BD
Chloromethane	<1	ug/l		11/13/03	BD
Dibromochloromethane	<1	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/13/03	BD
Dichlorodifluoromethane	<1	ug/l		11/13/03	BD
1,1-Dichloroethane	<1	ug/l		11/13/03	BD
1,2-Dichloroethane	<1	ug/l		11/13/03	BD
1,1-Dichloroethene	<1	ug/l		11/13/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/13/03	BD
1,2-Dichloropropane	<1	ug/l		11/13/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/13/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/13/03	BD
Methylene chloride	<1	ug/l		11/13/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/13/03	BD
Tetrachloroethene	<1	ug/l		11/13/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/13/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/13/03	BD
Trichloroethene	<1	ug/l		11/13/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/13/03	BD
Vinyl chloride	<1	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	94	%R		11/13/03	BD
Surrogate (Tol-d8)	103	%R		11/13/03	BD
Surrogate (4-BFB)	91	%R		11/13/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID: Final GWT System Discharge (Outfall 01A) **LSL Sample ID:** 0317979-004

Location: NES

Sampled: 11/11/03 11:50 **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	<1	ug/l		11/13/03	BD
Chlorobenzene	<1	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/13/03	BD
Ethyl benzene	<1	ug/l		11/13/03	BD
MTBE	<1	ug/l		11/13/03	BD
Toluene	<1	ug/l		11/13/03	BD
Xylenes (Total)	<1	ug/l		11/13/03	BD
t-Butyl alcohol	<200	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	100	%R		11/13/03	BD
Surrogate (Tol-d8)	102	%R		11/13/03	BD
Surrogate (4-BFB)	92	%R		11/13/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/13/03	BD
Bromoform	<1	ug/l		11/13/03	BD
Bromomethane	<1	ug/l		11/13/03	BD
Carbon tetrachloride	<1	ug/l		11/13/03	BD
Chlorobenzene	<1	ug/l		11/13/03	BD
Chloroethane	<1	ug/l		11/13/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/13/03	BD
Chloroform	<1	ug/l		11/13/03	BD
Chloromethane	<1	ug/l		11/13/03	BD
Dibromochloromethane	<1	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/13/03	BD
Dichlorodifluoromethane	<1	ug/l		11/13/03	BD
1,1-Dichloroethane	<1	ug/l		11/13/03	BD
1,2-Dichloroethane	<1	ug/l		11/13/03	BD
1,1-Dichloroethene	<1	ug/l		11/13/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/13/03	BD
1,2-Dichloropropane	<1	ug/l		11/13/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/13/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/13/03	BD
Methylene chloride	<1	ug/l		11/13/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/13/03	BD
Tetrachloroethene	<1	ug/l		11/13/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/13/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/13/03	BD
Trichloroethene	<1	ug/l		11/13/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/13/03	BD
Vinyl chloride	<1	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	100	%R		11/13/03	BD
Surrogate (Tol-d8)	102	%R		11/13/03	BD
Surrogate (4-BFB)	92	%R		11/13/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID: Trip Blank **LSL Sample ID:** 0317979-005
Location: NES
Sampled: 11/11/03 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		11/13/03	BD
Chlorobenzene	<1	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/13/03	BD
Ethyl benzene	<1	ug/l		11/13/03	BD
MTBE	<1	ug/l		11/13/03	BD
Toluene	<1	ug/l		11/13/03	BD
Xylenes (Total)	<1	ug/l		11/13/03	BD
t-Butyl alcohol	<200	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	93	%R		11/13/03	BD
Surrogate (Tol-d8)	103	%R		11/13/03	BD
Surrogate (4-BFB)	91	%R		11/13/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/13/03	BD
Bromoform	<1	ug/l		11/13/03	BD
Bromomethane	<1	ug/l		11/13/03	BD
Carbon tetrachloride	<1	ug/l		11/13/03	BD
Chlorobenzene	<1	ug/l		11/13/03	BD
Chloroethane	<1	ug/l		11/13/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/13/03	BD
Chloroform	<1	ug/l		11/13/03	BD
Chloromethane	<1	ug/l		11/13/03	BD
Dibromochloromethane	<1	ug/l		11/13/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/13/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/13/03	BD
Dichlorodifluoromethane	<1	ug/l		11/13/03	BD
1,1-Dichloroethane	<1	ug/l		11/13/03	BD
1,2-Dichloroethane	<1	ug/l		11/13/03	BD
1,1-Dichloroethene	<1	ug/l		11/13/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/13/03	BD
1,2-Dichloropropane	<1	ug/l		11/13/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/13/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/13/03	BD
Methylene chloride	<1	ug/l		11/13/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/13/03	BD
Tetrachloroethene	<1	ug/l		11/13/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/13/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/13/03	BD
Trichloroethene	<1	ug/l		11/13/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/13/03	BD
Vinyl chloride	<1	ug/l		11/13/03	BD
Surrogate (1,2-DCA-d4)	93	%R		11/13/03	BD
Surrogate (Tol-d8)	103	%R		11/13/03	BD
Surrogate (4-BFB)	91	%R		11/13/03	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

0317979
NYSDEC7SyrCR

STRATEGIC ENVIRONMENTAL MANAGEMENT, INC.

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
01AB RW1	11/n/03	1140	Influent-RW-1	2	G	Hcl	NPW	X				Hand Delivered
02AB WPSD		1135	Influent WP-5D					X				in cooler on ice.
03AB PA|PC		1145	Post-Air Stripper (Pre-Carbon)					X				
04AB QIA		1150	Final GWT System Discharge (Outfall 01A)					X				
05AB TB			Trip Blank					X				

Sample Custody SAMPLE COLLECTION	Sample Custody RELINQUISH SAMPLE CUSTODY	Sample Custody ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: MARK GRAVES	Name: MARK GRAVES Time:	Name: Time:
Signature: Mark Graves	Signature: Mark Graves Date: 11/n/03	Signature: Date:
Sample TAT: Normal 14 Day	Name: Time:	Laboratory: Time:
	Signature: Date:	Signature: Date: 11-13-03 13:12 RCVD

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: **0318316**

Receive Date/Time: 11/18/03 8:37 **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."

jimmy Cox, QCC 12-01-03

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:

SEM

Date Printed: 11/26/03

Sample ID: Influent-RW-1 **LSL Sample ID:** 0318316-001

Location: NES

Sampled: 11/17/03 9:00 **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	<5	ug/l		11/22/03	BD
Chlorobenzene	<5	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<5	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<5	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<5	ug/l		11/22/03	BD
Ethyl benzene	42	ug/l		11/22/03	BD
MTBE	<5	ug/l		11/22/03	BD
Toluene	670	ug/l		11/22/03	BD
Xylenes (Total)	180	ug/l		11/22/03	BD
t-Butyl alcohol	<1000	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	115	%R		11/22/03	BD
Surrogate (Tol-d8)	100	%R		11/22/03	BD
Surrogate (4-BFB)	103	%R		11/22/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		11/22/03	BD
Bromoform	<5	ug/l		11/22/03	BD
Bromomethane	<5	ug/l		11/22/03	BD
Carbon tetrachloride	<5	ug/l		11/22/03	BD
Chlorobenzene	<5	ug/l		11/22/03	BD
Chloroethane	<5	ug/l		11/22/03	BD
2-Chloroethylvinyl ether	<50	ug/l		11/22/03	BD
Chloroform	6.2	ug/l		11/22/03	BD
Chloromethane	<5	ug/l		11/22/03	BD
Dibromochloromethane	<5	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<5	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<5	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<5	ug/l		11/22/03	BD
Dichlorodifluoromethane	<5	ug/l		11/22/03	BD
1,1-Dichloroethane	72	ug/l		11/22/03	BD
1,2-Dichloroethane	<5	ug/l		11/22/03	BD
1,1-Dichloroethene	<5	ug/l		11/22/03	BD
trans-1,2-Dichloroethene	<5	ug/l		11/22/03	BD
1,2-Dichloropropane	<5	ug/l		11/22/03	BD
cis-1,3-Dichloropropene	<5	ug/l		11/22/03	BD
trans-1,3-Dichloropropene	<5	ug/l		11/22/03	BD
Methylene chloride	<5	ug/l		11/22/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		11/22/03	BD
Tetrachloroethene	<5	ug/l		11/22/03	BD
1,1,1-Trichloroethane	43	ug/l		11/22/03	BD
1,1,2-Trichloroethane	<5	ug/l		11/22/03	BD
Trichloroethene	46	ug/l		11/22/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		11/22/03	BD
Vinyl chloride	300	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	115	%R		11/22/03	BD
Surrogate (Tol-d8)	100	%R		11/22/03	BD
Surrogate (4-BFB)	103	%R		11/22/03	BD

Sample ID: **Influent WP-5D** **LSL Sample ID:** **0318316-002**

Location: NES

Sampled: 11/17/03 8:55 **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		11/22/03	BD
Chlorobenzene	<1	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/22/03	BD
Ethyl benzene	<1	ug/l		11/22/03	BD
MTBE	<1	ug/l		11/22/03	BD
Toluene	<1	ug/l		11/22/03	BD
Xylenes (Total)	<1	ug/l		11/22/03	BD
t-Butyl alcohol	<200	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	118	%R		11/22/03	BD
Surrogate (Tol-d8)	106	%R		11/22/03	BD
Surrogate (4-BFB)	108	%R		11/22/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/22/03	BD
Bromoform	<1	ug/l		11/22/03	BD
Bromomethane	<1	ug/l		11/22/03	BD
Carbon tetrachloride	<1	ug/l		11/22/03	BD
Chlorobenzene	<1	ug/l		11/22/03	BD
Chloroethane	9.6	ug/l		11/22/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/22/03	BD
Chloroform	<1	ug/l		11/22/03	BD
Chloromethane	<1	ug/l		11/22/03	BD
Dibromochloromethane	<1	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/22/03	BD
Dichlorodifluoromethane	<1	ug/l		11/22/03	BD
1,1-Dichloroethane	<1	ug/l		11/22/03	BD
1,2-Dichloroethane	<1	ug/l		11/22/03	BD
1,1-Dichloroethene	<1	ug/l		11/22/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/22/03	BD
1,2-Dichloropropane	<1	ug/l		11/22/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/22/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/22/03	BD
Methylene chloride	<1	ug/l		11/22/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/22/03	BD
Tetrachloroethene	<1	ug/l		11/22/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/22/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/22/03	BD
Trichloroethene	<1	ug/l		11/22/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/22/03	BD
Vinyl chloride	58	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	118	%R		11/22/03	BD
Surrogate (Tol-d8)	106	%R		11/22/03	BD
Surrogate (4-BFB)	108	%R		11/22/03	BD

Sample ID: Post-Air Stripper (Pre-Carbon) **LSL Sample ID:** 0318316-003

Location: NES

Sampled: 11/17/03 8:50 **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	<1	ug/l		11/22/03	BD
Chlorobenzene	<1	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/22/03	BD
Ethyl benzene	<1	ug/l		11/22/03	BD
MTBE	<1	ug/l		11/22/03	BD
Toluene	<1	ug/l		11/22/03	BD
Xylenes (Total)	<1	ug/l		11/22/03	BD
t-Butyl alcohol	<200	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	125	%R		11/22/03	BD
Surrogate (Tol-d8)	104	%R		11/22/03	BD
Surrogate (4-BFB)	106	%R		11/22/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/22/03	BD
Bromoform	<1	ug/l		11/22/03	BD
Bromomethane	<1	ug/l		11/22/03	BD
Carbon tetrachloride	<1	ug/l		11/22/03	BD
Chlorobenzene	<1	ug/l		11/22/03	BD
Chloroethane	<1	ug/l		11/22/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/22/03	BD
Chloroform	<1	ug/l		11/22/03	BD
Chloromethane	<1	ug/l		11/22/03	BD
Dibromochloromethane	<1	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/22/03	BD
Dichlorodifluoromethane	<1	ug/l		11/22/03	BD
1,1-Dichloroethane	<1	ug/l		11/22/03	BD
1,2-Dichloroethane	<1	ug/l		11/22/03	BD
1,1-Dichloroethene	<1	ug/l		11/22/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/22/03	BD
1,2-Dichloropropane	<1	ug/l		11/22/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/22/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/22/03	BD
Methylene chloride	<1	ug/l		11/22/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/22/03	BD
Tetrachloroethene	<1	ug/l		11/22/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/22/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/22/03	BD
Trichloroethene	<1	ug/l		11/22/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/22/03	BD
Vinyl chloride	<1	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	125	%R		11/22/03	BD
Surrogate (Tol-d8)	104	%R		11/22/03	BD
Surrogate (4-BFB)	106	%R		11/22/03	BD

Sample ID: Final GWT System Discharge (Outfall 01A) **LSL Sample ID:** 0318316-004

Location: NES

Sampled: 11/17/03 8:45 **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		11/22/03	BD
Chlorobenzene	<1	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/22/03	BD
Ethyl benzene	<1	ug/l		11/22/03	BD
MTBE	<1	ug/l		11/22/03	BD
Toluene	<1	ug/l		11/22/03	BD
Xylenes (Total)	<1	ug/l		11/22/03	BD
t-Butyl alcohol	<200	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	127	%R		11/22/03	BD
Surrogate (Tol-d8)	104	%R		11/22/03	BD
Surrogate (4-BFB)	109	%R		11/22/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/22/03	BD
Bromoform	<1	ug/l		11/22/03	BD
Bromomethane	<1	ug/l		11/22/03	BD
Carbon tetrachloride	<1	ug/l		11/22/03	BD
Chlorobenzene	<1	ug/l		11/22/03	BD
Chloroethane	<1	ug/l		11/22/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/22/03	BD
Chloroform	<1	ug/l		11/22/03	BD
Chloromethane	<1	ug/l		11/22/03	BD
Dibromochloromethane	<1	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/22/03	BD
Dichlorodifluoromethane	<1	ug/l		11/22/03	BD
1,1-Dichloroethane	<1	ug/l		11/22/03	BD
1,2-Dichloroethane	<1	ug/l		11/22/03	BD
1,1-Dichloroethene	<1	ug/l		11/22/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/22/03	BD
1,2-Dichloropropane	<1	ug/l		11/22/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/22/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/22/03	BD
Methylene chloride	<1	ug/l		11/22/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/22/03	BD
Tetrachloroethene	<1	ug/l		11/22/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/22/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/22/03	BD
Trichloroethene	<1	ug/l		11/22/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/22/03	BD
Vinyl chloride	<1	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	127	%R		11/22/03	BD
Surrogate (Tol-d8)	104	%R		11/22/03	BD
Surrogate (4-BFB)	109	%R		11/22/03	BD

Sample ID: Trip Blank **LSL Sample ID:** 0318316-005

Location: NES

Sampled: 11/17/03 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		11/22/03	BD
Chlorobenzene	<1	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/22/03	BD
Ethyl benzene	<1	ug/l		11/22/03	BD
MTBE	<1	ug/l		11/22/03	BD
Toluene	<1	ug/l		11/22/03	BD
Xylenes (Total)	<1	ug/l		11/22/03	BD
t-Butyl alcohol	<200	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	134	%R		11/22/03	BD
Surrogate (Tol-d8)	106	%R		11/22/03	BD
Surrogate (4-BFB)	107	%R		11/22/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		11/22/03	BD
Bromoform	<1	ug/l		11/22/03	BD
Bromomethane	<1	ug/l		11/22/03	BD
Carbon tetrachloride	<1	ug/l		11/22/03	BD
Chlorobenzene	<1	ug/l		11/22/03	BD
Chloroethane	<1	ug/l		11/22/03	BD
2-Chloroethylvinyl ether	<10	ug/l		11/22/03	BD
Chloroform	<1	ug/l		11/22/03	BD
Chloromethane	<1	ug/l		11/22/03	BD
Dibromochloromethane	<1	ug/l		11/22/03	BD
1,2-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,3-Dichlorobenzene	<1	ug/l		11/22/03	BD
1,4-Dichlorobenzene	<1	ug/l		11/22/03	BD
Dichlorodifluoromethane	<1	ug/l		11/22/03	BD
1,1-Dichloroethane	<1	ug/l		11/22/03	BD
1,2-Dichloroethane	<1	ug/l		11/22/03	BD
1,1-Dichloroethene	<1	ug/l		11/22/03	BD
trans-1,2-Dichloroethene	<1	ug/l		11/22/03	BD
1,2-Dichloropropane	<1	ug/l		11/22/03	BD
cis-1,3-Dichloropropene	<1	ug/l		11/22/03	BD
trans-1,3-Dichloropropene	<1	ug/l		11/22/03	BD
Methylene chloride	<1	ug/l		11/22/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		11/22/03	BD
Tetrachloroethene	<1	ug/l		11/22/03	BD
1,1,1-Trichloroethane	<1	ug/l		11/22/03	BD
1,1,2-Trichloroethane	<1	ug/l		11/22/03	BD
Trichloroethene	<1	ug/l		11/22/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		11/22/03	BD
Vinyl chloride	<1	ug/l		11/22/03	BD
Surrogate (1,2-DCA-d4)	134	%R		11/22/03	BD
Surrogate (Tol-d8)	106	%R		11/22/03	BD
Surrogate (4-BFB)	107	%R		11/22/03	BD

LSL

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

0318316
NYSDEC7SyrCR

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
001,A/B RW1	11/17/03	0900	Influent-RW-1	2	G	HCl	NPW	X				Hand Deliver
002 WP5D		0858	Influent WP-5D	2				X				in cooler on ice.
003 PA/PC		0850	Post-Air Stripper (Pre-Carbon)	2				X				
004 01A		0845	Final GWT System Discharge (Outfall 01A)	2				X				
005 TB		—	Trip Blank					X				

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

Sample Custody SAMPLE COLLECTION	Sample Custody RELINQUISH SAMPLE CUSTODY	Sample Custody ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: MARK GRAVES	Name: MARK GRAVES Time: 0836	Name: Time:
Signature: Mark Graves	Signature: Mark Graves Date: 11/18/03	Signature: Date:
Sample TAT: Normal 14 Day	Name: Time:	Laboratory: Time:
	Signature: Date:	Signature: Date: 11-19-03 08:37 RCVD

Christine Rossi
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-0530**

LSL Project ID: **0318780**

Receive Date/Time: 11/25/03 13:07 **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."

Lynda M. Hall 12-9-03

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: *Mark Graves*
Strategic Environmental Management

Date Printed: 12/9/03

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID: **Outfall 001A** **LSL Sample ID:** **0318780-001**

Location: NES

Sampled: 11/25/03 11:15 **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	<1	ug/l		12/6/03	BD
Chlorobenzene	<1	ug/l		12/6/03	BD
1,2-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,3-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,4-Dichlorobenzene	<1	ug/l		12/6/03	BD
Ethyl benzene	<1	ug/l		12/6/03	BD
MTBE	<1	ug/l		12/6/03	BD
Toluene	<1	ug/l		12/6/03	BD
Xylenes (Total)	<1	ug/l		12/6/03	BD
t-Butyl alcohol	<200	ug/l		12/6/03	BD
Surrogate (1,2-DCA-d4)	82	%R		12/6/03	BD
Surrogate (Tol-d8)	103	%R		12/6/03	BD
Surrogate (4-BFB)	90	%R		12/6/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		12/6/03	BD
Bromoform	<1	ug/l		12/6/03	BD
Bromomethane	<1	ug/l		12/6/03	BD
Carbon tetrachloride	<1	ug/l		12/6/03	BD
Chlorobenzene	<1	ug/l		12/6/03	BD
Chloroethane	<1	ug/l		12/6/03	BD
2-Chloroethylvinyl ether	<10	ug/l		12/6/03	BD
Chloroform	<1	ug/l		12/6/03	BD
Chloromethane	<1	ug/l		12/6/03	BD
Dibromochloromethane	<1	ug/l		12/6/03	BD
1,2-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,3-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,4-Dichlorobenzene	<1	ug/l		12/6/03	BD
Dichlorodifluoromethane	<1	ug/l		12/6/03	BD
1,1-Dichloroethane	<1	ug/l		12/6/03	BD
1,2-Dichloroethane	<1	ug/l		12/6/03	BD
1,1-Dichloroethene	<1	ug/l		12/6/03	BD
trans-1,2-Dichloroethene	<1	ug/l		12/6/03	BD
1,2-Dichloropropane	<1	ug/l		12/6/03	BD
cis-1,3-Dichloropropene	<1	ug/l		12/6/03	BD
trans-1,3-Dichloropropene	<1	ug/l		12/6/03	BD
Methylene chloride	<1	ug/l		12/6/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/6/03	BD
Tetrachloroethene	<1	ug/l		12/6/03	BD
1,1,1-Trichloroethane	<1	ug/l		12/6/03	BD
1,1,2-Trichloroethane	<1	ug/l		12/6/03	BD
Trichloroethene	<1	ug/l		12/6/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/6/03	BD
Vinyl chloride	<1	ug/l		12/6/03	BD
Surrogate (1,2-DCA-d4)	82	%R		12/6/03	BD
Surrogate (Tol-d8)	103	%R		12/6/03	BD
Surrogate (4-BFB)	90	%R		12/6/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID: Post Stripper-Precarbon **LSL Sample ID:** 0318780-002

Location: NES

Sampled: 11/25/03 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		12/6/03	BD
Chlorobenzene	<1	ug/l		12/6/03	BD
1,2-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,3-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,4-Dichlorobenzene	<1	ug/l		12/6/03	BD
Ethyl benzene	<1	ug/l		12/6/03	BD
MTBE	<1	ug/l		12/6/03	BD
Toluene	<1	ug/l		12/6/03	BD
Xylenes (Total)	<1	ug/l		12/6/03	BD
t-Butyl alcohol	<200	ug/l		12/6/03	BD
Surrogate (1,2-DCA-d4)	83	%R		12/6/03	BD
Surrogate (Tol-d8)	103	%R		12/6/03	BD
Surrogate (4-BFB)	90	%R		12/6/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		12/6/03	BD
Bromoform	<1	ug/l		12/6/03	BD
Bromomethane	<1	ug/l		12/6/03	BD
Carbon tetrachloride	<1	ug/l		12/6/03	BD
Chlorobenzene	<1	ug/l		12/6/03	BD
Chloroethane	<1	ug/l		12/6/03	BD
2-Chloroethylvinyl ether	<10	ug/l		12/6/03	BD
Chloroform	<1	ug/l		12/6/03	BD
Chloromethane	<1	ug/l		12/6/03	BD
Dibromochloromethane	<1	ug/l		12/6/03	BD
1,2-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,3-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,4-Dichlorobenzene	<1	ug/l		12/6/03	BD
Dichlorodifluoromethane	<1	ug/l		12/6/03	BD
1,1-Dichloroethane	<1	ug/l		12/6/03	BD
1,2-Dichloroethane	<1	ug/l		12/6/03	BD
1,1-Dichloroethene	<1	ug/l		12/6/03	BD
trans-1,2-Dichloroethene	<1	ug/l		12/6/03	BD
1,2-Dichloropropane	<1	ug/l		12/6/03	BD
cis-1,3-Dichloropropene	<1	ug/l		12/6/03	BD
trans-1,3-Dichloropropene	<1	ug/l		12/6/03	BD
Methylene chloride	<1	ug/l		12/6/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/6/03	BD
Tetrachloroethene	<1	ug/l		12/6/03	BD
1,1,1-Trichloroethane	<1	ug/l		12/6/03	BD
1,1,2-Trichloroethane	<1	ug/l		12/6/03	BD
Trichloroethene	<1	ug/l		12/6/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/6/03	BD
Vinyl chloride	<1	ug/l		12/6/03	BD
Surrogate (1,2-DCA-d4)	83	%R		12/6/03	BD
Surrogate (Tol-d8)	103	%R		12/6/03	BD
Surrogate (4-BFB)	90	%R		12/6/03	BD

Life Science Laboratories, Inc.

Date Printed: 12/8/03

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: RW-1 Influent **LSL Sample ID:** 0318780-003

Location: NES

Sampled: 11/15/03 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	<10	ug/l		12/7/03	BD
Chlorobenzene	<10	ug/l		12/7/03	BD
1,2-Dichlorobenzene	<10	ug/l		12/7/03	BD
1,3-Dichlorobenzene	<10	ug/l		12/7/03	BD
1,4-Dichlorobenzene	<10	ug/l		12/7/03	BD
Ethyl benzene	80	ug/l		12/7/03	BD
MTBE	<10	ug/l		12/7/03	BD
Toluene	1200	ug/l		12/7/03	BD
Xylenes (Total)	330	ug/l		12/7/03	BD
t-Butyl alcohol	<2000	ug/l		12/7/03	BD
Surrogate (1,2-DCA-d4)	104	%R		12/7/03	BD
Surrogate (Tol-d8)	103	%R		12/7/03	BD
Surrogate (4-BFB)	103	%R		12/7/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<10	ug/l		12/7/03	BD
Bromoform	<10	ug/l		12/7/03	BD
Bromomethane	<10	ug/l		12/7/03	BD
Carbon tetrachloride	<10	ug/l		12/7/03	BD
Chlorobenzene	<10	ug/l		12/7/03	BD
Chloroethane	<10	ug/l		12/7/03	BD
2-Chloroethylvinyl ether	<100	ug/l		12/7/03	BD
Chloroform	<10	ug/l		12/7/03	BD
Chloromethane	<10	ug/l		12/7/03	BD
Dibromochloromethane	<10	ug/l		12/7/03	BD
1,2-Dichlorobenzene	<10	ug/l		12/7/03	BD
1,3-Dichlorobenzene	<10	ug/l		12/7/03	BD
1,4-Dichlorobenzene	<10	ug/l		12/7/03	BD
Dichlorodifluoromethane	<10	ug/l		12/7/03	BD
1,1-Dichloroethane	110	ug/l		12/7/03	BD
1,2-Dichloroethane	<10	ug/l		12/7/03	BD
1,1-Dichloroethene	<10	ug/l		12/7/03	BD
trans-1,2-Dichloroethene	<10	ug/l		12/7/03	BD
1,2-Dichloropropane	<10	ug/l		12/7/03	BD
cis-1,3-Dichloropropene	<10	ug/l		12/7/03	BD
trans-1,3-Dichloropropene	<10	ug/l		12/7/03	BD
Methylene chloride	<10	ug/l		12/7/03	BD
1,1,2,2-Tetrachloroethane	<10	ug/l		12/7/03	BD
Tetrachloroethene	<10	ug/l		12/7/03	BD
1,1,1-Trichloroethane	58	ug/l		12/7/03	BD
1,1,2-Trichloroethane	<10	ug/l		12/7/03	BD
Trichloroethene	62	ug/l		12/7/03	BD
Trichlorofluoromethane (Freon 11)	<10	ug/l		12/7/03	BD
Vinyl chloride	480	ug/l		12/7/03	BD
Surrogate (1,2-DCA-d4)	104	%R		12/7/03	BD
Surrogate (Tol-d8)	103	%R		12/7/03	BD
Surrogate (4-BFB)	103	%R		12/7/03	BD

Life Science Laboratories, Inc.

Date Printed: 12/8/03

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: WP-5D Influent **LSL Sample ID:** 0318780-004

Location: NES

Sampled: 11/25/03 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		12/6/03	BD
Chlorobenzene	<1	ug/l		12/6/03	BD
1,2-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,3-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,4-Dichlorobenzene	<1	ug/l		12/6/03	BD
Ethyl benzene	<1	ug/l		12/6/03	BD
MTBE	<1	ug/l		12/6/03	BD
Toluene	<1	ug/l		12/6/03	BD
Xylenes (Total)	<1	ug/l		12/6/03	BD
t-Butyl alcohol	<200	ug/l		12/6/03	BD
Surrogate (1,2-DCA-d4)	81	%R		12/6/03	BD
Surrogate (Tol-d8)	104	%R		12/6/03	BD
Surrogate (4-BFB)	90	%R		12/6/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		12/6/03	BD
Bromoform	<1	ug/l		12/6/03	BD
Bromomethane	<1	ug/l		12/6/03	BD
Carbon tetrachloride	<1	ug/l		12/6/03	BD
Chlorobenzene	<1	ug/l		12/6/03	BD
Chloroethane	8.6	ug/l		12/6/03	BD
2-Chloroethylvinyl ether	<10	ug/l		12/6/03	BD
Chloroform	<1	ug/l		12/6/03	BD
Chloromethane	<1	ug/l		12/6/03	BD
Dibromochloromethane	<1	ug/l		12/6/03	BD
1,2-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,3-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,4-Dichlorobenzene	<1	ug/l		12/6/03	BD
Dichlorodifluoromethane	<1	ug/l		12/6/03	BD
1,1-Dichloroethane	<1	ug/l		12/6/03	BD
1,2-Dichloroethane	<1	ug/l		12/6/03	BD
1,1-Dichloroethene	<1	ug/l		12/6/03	BD
trans-1,2-Dichloroethene	<1	ug/l		12/6/03	BD
1,2-Dichloropropane	<1	ug/l		12/6/03	BD
cis-1,3-Dichloropropene	<1	ug/l		12/6/03	BD
trans-1,3-Dichloropropene	<1	ug/l		12/6/03	BD
Methylene chloride	<1	ug/l		12/6/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/6/03	BD
Tetrachloroethene	<1	ug/l		12/6/03	BD
1,1,1-Trichloroethane	<1	ug/l		12/6/03	BD
1,1,2-Trichloroethane	<1	ug/l		12/6/03	BD
Trichloroethene	<1	ug/l		12/6/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/6/03	BD
Vinyl chloride	50	ug/l		12/6/03	BD
Surrogate (1,2-DCA-d4)	81	%R		12/6/03	BD
Surrogate (Tol-d8)	104	%R		12/6/03	BD
Surrogate (4-BFB)	90	%R		12/6/03	BD

Life Science Laboratories, Inc.

Date Printed: 12/8/03

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:** 0318780-005

Location: NES

Sampled: 11/17/03 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		12/6/03	BD
Chlorobenzene	<1	ug/l		12/6/03	BD
1,2-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,3-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,4-Dichlorobenzene	<1	ug/l		12/6/03	BD
Ethyl benzene	<1	ug/l		12/6/03	BD
MTBE	<1	ug/l		12/6/03	BD
Toluene	<1	ug/l		12/6/03	BD
Xylenes (Total)	<1	ug/l		12/6/03	BD
t-Butyl alcohol	<200	ug/l		12/6/03	BD
Surrogate (1,2-DCA-d4)	85	%R		12/6/03	BD
Surrogate (Tol-d8)	106	%R		12/6/03	BD
Surrogate (4-BFB)	90	%R		12/6/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		12/6/03	BD
Bromoform	<1	ug/l		12/6/03	BD
Bromomethane	<1	ug/l		12/6/03	BD
Carbon tetrachloride	<1	ug/l		12/6/03	BD
Chlorobenzene	<1	ug/l		12/6/03	BD
Chloroethane	<1	ug/l		12/6/03	BD
2-Chloroethylvinyl ether	<10	ug/l		12/6/03	BD
Chloroform	<1	ug/l		12/6/03	BD
Chloromethane	<1	ug/l		12/6/03	BD
Dibromochloromethane	<1	ug/l		12/6/03	BD
1,2-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,3-Dichlorobenzene	<1	ug/l		12/6/03	BD
1,4-Dichlorobenzene	<1	ug/l		12/6/03	BD
Dichlorodifluoromethane	<1	ug/l		12/6/03	BD
1,1-Dichloroethane	<1	ug/l		12/6/03	BD
1,2-Dichloroethane	<1	ug/l		12/6/03	BD
1,1-Dichloroethene	<1	ug/l		12/6/03	BD
trans-1,2-Dichloroethene	<1	ug/l		12/6/03	BD
1,2-Dichloropropane	<1	ug/l		12/6/03	BD
cis-1,3-Dichloropropene	<1	ug/l		12/6/03	BD
trans-1,3-Dichloropropene	<1	ug/l		12/6/03	BD
Methylene chloride	<1	ug/l		12/6/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/6/03	BD
Tetrachloroethene	<1	ug/l		12/6/03	BD
1,1,1-Trichloroethane	<1	ug/l		12/6/03	BD
1,1,2-Trichloroethane	<1	ug/l		12/6/03	BD
Trichloroethene	<1	ug/l		12/6/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/6/03	BD
Vinyl chloride	<1	ug/l		12/6/03	BD
Surrogate (1,2-DCA-d4)	85	%R		12/6/03	BD
Surrogate (Tol-d8)	106	%R		12/6/03	BD
Surrogate (4-BFB)	90	%R		12/6/03	BD

Life Science Laboratories, Inc.

Date Printed: 12/8/03

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

0318780
NYSDEC7SyrCR

STRATEGIC ENVIRONMENTAL MANAGEMENT, INC.

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: Mark Graves
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 No. H-530
Page _1__ of _1__

Report and Invoice Address: Christine Rossi, NYSDEC Region 7, 615 Erie Blvd West. Syracuse, NY 13204-2400, Phone: 315-426-7466

Client's Sample Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix	Parameters: EPA 601/602				Notes/Comments
001A (001AB)	*	1115	Outfall 001A	2	G	HCl	NPW	X				Samples hand delivered to lab in
PA/PC (002AB)	"	1120	Post Stripper-Precarbon	2	G	HCl	NPW	X				cooler on ice.
RW-1 (003AB)	"	1130	RW-1 Influent	2	G	HCl	NPW	X				
WP-5D (004AB)	"	1125	WP- 5D Influent	2	G	HCl	NPW	X				
TB (005AB)	"	—	Trip Blank	2	G	HCl	NPW	X				

Copy of Report to Mark Graves
Strategic Environmental Mngt.
25 ½ Water Street
Baldwinsville, New York 13027

Sample Custody — SAMPLE COLLECTION	Sample Custody — RELINQUISH SAMPLE CUSTODY	Sample Custody — ACCEPT AND RECEIVE SAMPLE CUSTODY
Name: Mark Graves	Name: Mark Graves Time: 1305	Name: Time:
Signature: Mark Graves	Signature: Mark Graves Date: 11/25/03	Signature: Date:
Sample TAT: Normal 14 Day	Name: Time:	Laboratory: Time:
	Signature: Date:	Signature: 11-25-03 13:07 Date:

* Sample Vials have 11-25-03 -DSS

1.0°C on ice