ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER
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January 10, 2006

Mr. David Chiusano, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Construction Services
625 Broadway, 12th Floor
Albany, New York 12233 - 7010

Re: Mr. C's Dry Cleaners Site, Contract # D003493-27.5, Site # 9-15-157
December 2005 Operations, Maintenance, and Monitoring Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide this December 2005 Operation, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports from EEEPC's subcontractor O&M Enterprises, Inc. (OMEI) are provided as Attachment A. Selected pages from the individual analytical data packages prepared by Severn - Trent Laboratories (STL) are provided as Attachments B-1 & B-2. All analytical results for the report were analyzed at the lowest detection limits in accordance with the standard method. Remedial treatment system utility costs are provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for December 2005, EEEPC offers the following comments and highlights:

Operational Summary

- The treatment system was operational for approximately 98.8% of the period between 11/28/05 and 1/3/06. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup. Cleaning of the air stripping unit was performed on Tuesday, December 27, 2005, accounting for 10 hours of shutdown.
- The effluent totalizer readings for the month of December 2005 indicate that approximately 1,182,854 gallons of groundwater were processed through the treatment system from 11/28/05 and 1/3/06. Table 2 provides a summary of groundwater volume treated since system start-up. Historical volumes are based on totalizer readings provided by the O&M subcontractor's weekly inspection forms.
- Filters in the influent bag filter unit were replaced during weekly inspection on 11/28/05, 12/8/05, and 12/13/05.
- New level transducers were installed in RW-1 and PW-4 and returned back to operations on 12/8/05.

- Analytical results taken on November 28, 2005, indicated that the cleaning on the air stripping performed earlier in the month returned the PCE compliance levels back to under the compliance levels of 10 ug/L. Analytical results were 6.8 ug/L. (Analytical report provided in November 2005 report)
- Samples were taken on December 8, 2005 for the standard December compliance reporting (Attachment B-1). The analytical results were received on December 15, 2005 indicating non-compliance with PCE with permit compliance limit of 10 ug/L with concentrations of 15 ug/L. Additional air stripper unit inspection and power washing of the trays was then performed on December 19, 2005. Additional sampling was performed on December 21, 2005 (Attachment B-2) after cleaning operations were performed. Analytical results received on December 23, 2005, indicated levels to be 1.3 ug/L.
- A full tear down and cleaning of the air stripping unit was performed on Tuesday, December 27, 2005. Inspection indicated the lower trays had a mineral buildup along with occlusion of the holes for air stripping. All corrective actions to be taken were discussed with NYSDEC representatives prior to initiation of work.
- Checklists for weekly system inspections from OMEI are provided as Attachment A for 11/28/05, 12/8/05, 12/13/05, 12/19/05, 12/27/05, 1/3/06. Weekly system checks indicated that the air stripper differential pressure was between 17 and 22 inches of water during the month of December 2005.
- The feed rate for the sequestering agent was adjusted to 5.0 ml/min to allow for additional removal of mineral deposits on the stripping trays. This short term adjustment in feed rate will be evaluated during the following month.
- The level transducers in wells RW-1 and PW-4 was replaced during the weekly site inspection on December 8, 2005. New transducers were required to be shipped in to replace the non-working units.
- The Agway/Matrix system remains in operation since start up occurred in April 2005. OMEI continues to review the system operations on a weekly basis. The air sparge system continues to be functional except five out of the eight injection points cannot inject air to the lower injection zones. Pressure is still provided throughout the distribution system and to the individual heads, but air cannot be injected due to blockage below grade. No repairs are anticipated at the present time.
- The month of December report for the Agway site is as follows: The vacuum pressure on the air sparge / vapor extraction treatment system maintained 11-13 inches of water vacuum and ranged between 80 to 120 pounds per square inch of air pressure. 3 out of the 8 sparge points were injecting an average of 3.0 standard CFM of air to the remaining operational sparge points. The system remains operational pending further NYSDEC review.
- A temporary repair at a broken monitoring well in front of Mr. C's was made on November 28, 2005. The well was cut even with the top of the sidewalk and capped to prevent injury to passersby.
- The January compliance sampling is planned to take place on January 10, 2006.

- A copy of the site utility costs from EEEPC operations from December 2004 to December 2005 are provided as Attachment C.

Analytical Summary – Groundwater

- EEEPC and OMEI personnel collected samples of influent and effluent groundwater for the reporting period 11/28/05 to 1/3/06 on December 8, 2005 as part of the normal weekly O&M services. The analytical results for the December 8, 2005 and December 21, 2005 sampling events are presented in Table 3.
- The December 8, 2005 monthly analytical results indicate that the treated groundwater effluent remains below the site specific Effluent Discharge Limitation Requirements for all compounds except PCE (15 ug/L). After system inspection and cleaning a second compliance sample was taken on December 21, 2005. The second analysis after corrective actions were performed indicates full compliance with the discharge requirements. A comparison between the two sets of December 2005 analytical results and the Effluent Discharge Limitation Requirements for the site are provided in Table 4. Based on the analytical results from December 21, 2005, the treatment system is back in operational and regulatory compliance. Even though the results were below the discharge permit limit a full teardown and cleaning of the unit was performed on December 27, 2005.
- Approximately 11.5 pounds of VOCs were removed from the influent groundwater based on calculations using the effluent discharge analytical results during the reporting period. A summary of the calculated pounds of VOC's by month and by date are located in Table 5. These values are calculated based on effluent totalizer readings and assumes that non-detect values given in the analytical data package = 0 µg/L and that the monthly samples are indicative of the influent characteristics and system performance for the entire reporting period.

If you have any questions regarding the December 2005 O&M report summary submitted, please call me a 716-684-8060.

Very Truly Yours,
Ecology and Environment Engineering, P. C.

Michael G. Steffan
Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments
R. Becken, O&M Enterprises w/ attachments
D. Miller, E&E-Buffalo w/ attachments
CTF- 000699.NY06.05

Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time
September 2002	576	100%
October 2002	744	99.33%
November 2002	720	93.41%
December 2002	744	80.65%
January 2003	744	59.15%
February 2003	672	63.39%
March 2003	744	82.39%
April 2003	720	100%
May 2003	744	100%
June 2003	720	90.00%
July 2003	744	100%
August 2003	744	100%
September 1-4, 2003	96	100%
October 22 -29, 2003	168	100%
October 29 - November 25, 2003	648	99%
November 25 - December 29, 2003	816	100%
December 29, 2003 – January 26, 2004	672	100%
January 26 – February 24, 2004	696	100%
February 24 – March 29, 2004	816	99.97%
March 29 – April 26, 2004	672	99.70%
April 26 – May 24, 2004	696	73.70%
May 24 – June 21, 2004	696	99.43%
June 22 – July 26, 2004	840	100%
July 27 – August 23, 2004	672	100%
August 23 - September 27, 2004	840	97.62%
September 27 - October 25, 2004	672	90.33%
October 25 - November 23, 2004	696	92.17%
November 23 - December 27, 2004	816	97.06%
December 27, 2004 - January 31, 2005	840	100%
January 31, 2005 - February 28, 2005	660	98.20%
February 28, 2005 - April 4, 2005	828	98.60%
April 4, 2005 - May 2, 2005	696	87.50%
May 2, 2005 - June 6, 2005	840	91.43%
June 6, 2005 - July 6, 2005	744	86.60%
July 6, 2005 - August 1, 2005	605.5	97.00%
August 1, 2005 - August 29, 2005	696	100.00%
August 29, 2005 - October 3, 2005	864	100.00%
October 3, 2005 - October 31, 2005	672	100.00%
October 31, 2005 - November 28, 2005	672	98.06%
November 28, 2005 - January 3, 2006	854	98.84%
Average Operational Up-time =		**94.34%**

NOTES:
1. Up-time based as percentage of total reporting hours
2. Treatment system operated by the Tyree Organization Ltd. from 9/02-9/03.
3. Treatment system operated by O&M Enterprises Inc. from 10/03 - present.

Table 2
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly Process Water Volumes

Month	Actual Period	Gallons
September 2002[1]	9/5/02 - 10/2/02	4,362,477
October 2002[1]	10/2/02 - 11/4/02	4,290,429
November 2002[1]	11/4/02 - 12/2/02	3,326,126
December 2002[1]	12/2/02 - 1/7/03	3,349,029
January 2003[1]	1/7/03 - 2/3/03	1,973,144
February 2003[1]	2/3/03 - 3/10/03	2,158,771
March 2003[1]	3/10/03 - 4/7/03	3,263,897
April 2003[1]	4/7/03 - 5/2/03	2,574,928
May 2003[1]	5/2/03 - 6/2/03	1,652,538
June 2003[1]	6/2/03 - 6/30/03	2,002,990
July 2003[1]	6/30/03 - 7/29/03	2,543,978
August 2003[1]	7/29/03 - 8/25/03	2,042,424
September 2003[1]	8/25/03 - 10/22/03	370,446
October 2003[2]	10/22/03 - 10/29/03	67,424
November 2003[2]	10/29/03 - 11/25/03	224,278
December 2003[2]	11/25/03 - 12/29/03	1,496,271
January 2004[2]	12/29/03 - 01/26/04	688,034
February 2004[2]	01/26/04 - 02/24/04	736,288
March 2004[2]	02/24/04 - 03/29/04	2,164,569
April 2004[2]	03/29/04 - 04/26/04	1,741,730
May 2004[2]	4/26/2004 - 5/24/2004	1,408,095
June 2004[2]	5/24/2004 - 6/21/2004	972,132
July 2004[2]	6/22/2004 - 7/26/2004	1,858,790
August 2004[2]	7/27/04 - 8/23/04	1,289,960
September 2004[2]	8/23/04 - 9/27/04	1,201,913
October 2004[2]	9/27/04 - 10/25/04	937,560
November 2004[2]	10/25/04 - 11/23/04	1,098,158
December 2004[2]	11/23/04 - 12/27/04	1,556,063
January 2005[2]	12/27/04 - 1/31/05	1,798,238
February 2005[2]	1/31/05 -2/28/05	1,271,562
March 2005[2]	2/28/05 - 4/4/05	1,295,692
April 2005[2]	4/4/05 - 5/2/05	1,652,510
May 2005[2]	5/2/05 - 6/6/05	1,423,099
June 2005[2]	6/6/05 - 7/6/05	877,988
July 2005[2]	7/6/05 - 8/1/05	1,283,302
August 2005[2]	8/1/05 - 8/29/05	1,443,195
September 2005[2]	8/29/05 - 10/3/05	1,591,248
October 2005[2]	10/3/05 - 10/31/05	1,204,074
November 2005[2]	10/31/05 - 11/28/05	1,038,170
December 2005[2]	11/28/05 - 1/3/06	1,182,854
	Total	**67,414,374**

NOTES:
1. System operated by Tyree Organization Ltd. From 9/02 - 9/03
2. System operated by O&M Enterprises from 10/03 - present

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
December 2005 VOC Analytical Summary

Compound	December 8, 2005			December 21, 2005		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency (%)	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency (%)
Acetone	ND (<120)	5.6 (<5.0)	NA	ND (<100)	ND (<5.0)	NA
2-Butanone	ND (<120)	ND (<5.0)	NA	ND (<100)	ND (<5.0)	NA
cis-1, 2-Dichloroethene	ND (<25)	ND(<1.0)	NA	ND (<20)	ND(<1.0)	NA
Methylene chloride	ND (<25)	ND(<1.0)	NA	33 (<20)	ND(<1.0)	100%
Methyl tert-butyl ether	ND (<25)	ND(<1.0)	NA	ND (<20)	ND(<1.0)	NA
Tetrachloroethene	1000	15	98.50%	1100	1.3	99.88%
Toluene	ND (<25)	ND(<1.0)	NA	ND (<20)	ND(<1.0)	NA
Trichloroethene	28	ND(<1.0)	100%	33 (<20)	ND(<1.0)	100%
Total Xylenes	ND (<75)	ND (<3.0)	NA	ND (<60)	ND (<3.0)	NA
November TOTAL (in ug/L) =	**1028.0**	**20.60**	**98.00%**	**1166.0**	**1.30**	**99.89%**

Notes:
1. "NA" = Not applicable
2. "ND" = Non-detect and lists the detection limit in parentheses
3. "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
4. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
5. "D" = Compounds identified in analysis required secondary dilution factoring.

* (<50) - Detection Limit

Table 4
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Effluent Discharge Criteria & Analytical Compliance Results

Parameter/Analyte	Daily Maximum[1]	Units	November 28, 2005 Effluent Analytical Values - Compliance [9]	December 8, 2005 Effluent Analytical Values - Compliance [10]	December 21, 2005 Effluent Analytical Values - Compliance [11]
Flow	216,000	gpd	32,857 gpd [6]	32,857 gpd [6]	32,857 gpd [6]
pH	6.0 - 9.0	standard units	Not Performed	8.17	Not Performed
1,1 Dichloroethene	10	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,2 Dichloroethane	10	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
Trichloroethene	10	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
Tetrachloroethene	10	µg/L	6.8	15	1.3
Vinyl Chloride	10	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
Benzene	5	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
Methylene Chloride	10	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
1,1,1 Trichloroethane	10	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)
o-Xylene[3]	5	µg/L	NA	NA	NA
m, p-Xylene[3]	10	µg/L	NA	NA	NA
Total Xylenes	NA	ug/L	ND (<3.0)	ND (<3.0)	ND (<3.0)
Iron, total	600	µg/L	NA	NA	NA
Aluminum	4,000	µg/L	NA	NA	NA
Copper	48	µg/L	NA	NA	NA
Lead	11	µg/L	NA	NA	NA
Manganese	2,000	µg/L	NA	NA	NA
Silver	100	µg/L	NA	NA	NA
Vanadium	28	µg/L	NA	NA	NA
Zinc	230	µg/L	NA	NA	NA
Total Dissolved Solids	850	mg/L	NA	NA	NA
Total Suspended Solids	20	mg/L	NA	NA	NA
Hardness	N/A	mg/l	Not Performed	450	Not Performed
Cyanide, Free	10	µg/L	NA	NA	NA

NOTES:

1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents.
2. Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
3. Shaded cells indicate that analytical value exceeds the "Daily Maximum"
4. "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
5. "NA" indicates that analyses were not performed and data is unavailable.
6. Average flows based on effluent readings taken November 28, 2005 through January 3, 2006. Total gallons: 1,182,854 divided by 36 operating days.
7. "J" indicates an estimated value below the detection limit.
8. "B" indicates analyte found in the associated blank.
9. Additional compliance sample taken on 11/28/05 as a result corrective actions taken from November 7, 2005 sample results.
10. Normal monthly compliance sample taken on 12/8/05. TCE analysis indicate additional corrective action required.
11. Additional sample taken on 12/21/05 after air stripper cleaning. Volatile organic compound results only. No pH or hardness analysis performed.

15 Indicates non-compliance with the NYSDEC effluent discharge requirements

Table 5
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly VOCs Removed From Groundwater

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
September 2002[6]	9/5/02 - 10/2/02	1297	1	47.2
October 2002[6]	10/2/02 - 11/4/02	2000	1	71.6
November 2002[6]	11/4/02 - 12/2/02	1685	0	46.8
December 2002[6]	12/2/02 - 1/7/03	1586	9	44.1
January 2003[6]	1/7/03 - 2/3/03	1803	10	29.5
February 2003[6]	2/3/03 - 3/10/03	1985	3	35.7
March 2003[6]	3/10/03 - 4/7/03	1990	5	54.1
April 2003[6]	4/7/03 - 5/2/03	1656	3	35.5
May 2003[6]	5/2/03 - 6/2/03	1623	7	22.3
June 2003[6]	6/2/03 - 6/30/03	5787	6	96.6
July 2003[6]	6/30/03 - 7/29/03	1356	1	28.8
August 2003[6]	7/29/03 - 8/25/03	1263	3	21.5
September 2003[6]	8/25/03 - 10/22/03	1263	3	3.9
October 2003[7]	10/22/03 - 10/29/03	1693.69	1.47	1.0
November 2003[7]	10/29/03 - 11/25/03	2510.83	4.4	4.7
December 2003[7]	11/25/03 - 12/29/03	503.3	10.5	6.2
January 2004[7]	12/29/03 - 01/26/04	3667	15.8	21.0
February 2004[7]	01/26/04 - 02/24/04	3348.6	26.7	20.4
March 2004[7]	02/24/04 - 03/29/04	1939.3	4.96	34.9
April 2004[7]	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004[7]	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004[7]	5/24/2004 - 6/21/2004	1454	1.7	22.5
July 2004[7]	6/22/2004 - 7/26/2004	1313	3.6	20.3
August 2004[7]	7/27/04 - 8/23/04	2305	7.4	24.7
September 2004[7]	8/23/04 - 9/27/04	1453	6.7	14.5
October 2004[7]	9/27/04 - 10/25/04	1504	14.3	11.7
November 2004[7]	10/25/04- 11/23/04	1480	36.42	13.2
December 2004[7, 8]	11/23/04 - 12/27/04	1562	132.21	18.6
January 2005[7]	12/27/04 - 1/31/05	1264	47.5	18.3
February 2005[9]	1/31/05 - 2/28/05	1538	53.2	15.8
March 2005[9]	2/28/05 - 4/4/05	931	56.0	9.5
April 2005[9]	4/4/05 - 5/2/05	1269	111.7	15.96
May 2005[9]	5/2/05 - 6/6/05	1431	319.0	13.20
June 2005[9]	6/6/05 - 7/6/05	1126	12	8.16
July 2005[9]	7/6/05 - 8/1/05	1575	5.90	16.80
August 2005[9]	8/1/05 - 8/29/05	1359	51.26	15.70
September 2005[9]	8/29/05 - 10/3/05	1239	0.47	16.50
October 2005[9]	10/3/05 - 10/31/05	1454	0.81	14.60
November 2005[9]	10/31/05 - 11/28/05	2266	6.80	19.57
December 2005	11/28/05 - 1/3/06	1166	1.30	11.50
	Total pounds of VOCs removed from inception =			**990.21**

NOTES:
1. Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
2. Calculations assume that non-detect values = 0 ug/L.
3. Total VOCs summations include estimated "J" values.
4. Calculations are based on effluent totalizer readings.
5. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
6. No samples were collected in September 2003. August 2003 values are used.
7. Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
8. Treatment system operated by O&M Enterprises from 10/03 to present.

CONVERSIONS:
1 pound = 453.5924 grams
1 gallon = 3.785 liters

<u>Based on the Analytical Results from December 21, 2005:</u>
Pounds of VOCs removed calculated by the following formula:
(1166 ug/L-1.3ug/L)(1g/10^6 ug)*(1 lb/453.5924 g)*1,182,854 gallons*(3.785 L/gallon) ~ 11.50 lbs*

where 1,182,854 gallons is the monthly process water volume.

Attachment A
OMEI Weekly Inspection Reports
December 2005

Including:

11/28/05

12/8/05

12/13/05

12/19/05

12/27/05

1/3/06

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Date/Time 11\28\05 9:00

Inspection personnel R C Becken

Other personnel on site Dave S. NYSDEC

Weather Conditions clear 51 degrees

Are all well pumps operating in auto? (YES) NO
If "NO", provide explanation

Provide water level readings on control panel

RW-1	ON	(OFF)	?	ft
PW-2	ON	(OFF)	6	ft
PW-3	ON	(OFF)	6	ft
PW-4	ON	(OFF)	?	ft
PW-5	(ON)	OFF	6	ft
PW-6	(ON)	OFF	5	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	7	ft
	Equalization tank		4	ft

Influent Flow Rate 35.57 gpm

Influent Totalizer Reading 846654 gallons

Sequestering agent drum level ~11 in.

Amount of sequestering agent remaining ~20 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 18 22 psi

Bag filter bottom pressure 0 0 psi

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Influent feed pump in use #1 (#2)

Influent Pump Pressure 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 4 inches H_2O

Air stripper Pressure 17 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 8 psi

Effluent flow rate 94 gpm

Effluent Totalizer reading 18154729 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 58.4 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 4

Is treatment building clean and organized? (YES) NO

Samples collected? (YES) NO

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent		1:00			
Air stripper effluent		1:05			
GAC influent			NA	NA	
GAC effluent			NA	NA	

Is there evidence of tampering/vandalism of wells?	YES	(NO)
Were manholes inspected?	YES	(NO)
Were electrical boxes inspected?	(YES)	NO
Is water present in any manholes or electrical boxes?	YES	NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Other observations:

Agway

vacuum 13 "
air pressur re 80 psi

Bank 1
SP-1 0 scfm SP-2 3 scfm SI P-3 3 scfm SP-4 0 scfm

SP-5 0 scfm SP-6 4 scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

Repaired snow fence again. Repaired water leak near effluent water meter.
Received two drums of Redox 380.

Signature

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Date/Time 12\8\05 8:25

Inspection personnel R C Becken

Other personnel on site

Weather Conditions clear 12 degrees

Are all well pumps operating in auto? (YES) NO
If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	6	ft
PW-2	ON	(OFF)	7	ft
PW-3	ON	(OFF)	7	ft
PW-4	ON	(OFF)	4	ft
PW-5	(ON)	OFF	5	ft
PW-6	(ON)	OFF	6	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	4	ft
	Equalization tank		4	ft

Influent Flow Rate 64.67 gpm

Influent Totalizer Reading 1042939 gallons

Sequestering agent drum level ~6 in.

Amount of sequestering agent remaining ~12 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 3 3 psi

Bag filter bottom pressure 0 0 psi

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Influent feed pump in use #1 (#2)

Influent Pump Pressure 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 4 inches H_2O

Air stripper Pressure 21 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 8 psi

Effluent flow rate 93.6 gpm

Effluent Totalizer reading 18275300 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 50.9 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 4

Is treatment building clean and organized? (YES) NO

Samples collected? (YES) NO

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent		11:30	7.29	2.71	53.4
Air stripper effluent		11:35	7.89	4.06	51.7
GAC influent	_____		NA	NA	
GAC effluent	_____		NA	NA	

Is there evidence of tampering/vandalism of wells?	YES	(NO)
Were manholes inspected?	YES	NO
Were electrical boxes inspected?	(YES)	NO
Is water present in any manholes or electrical boxes?	(YES)	NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Other observations:

Agway

vacuum 13
air pressur re 100 psi

Bank 1
SP-1 0 scfm SP-2 3 scfm SP-3 3 scfm SP-4 0 sc 4 0 scfm

SP-5 0 scfm SP-6 4 scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

changed filters, installed transducers in PW-4 and RW-1 and started both pumps
installed snow fence around PW-2 and PW-3

Signature

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Date/Time 12\13\05 8:55

Inspection personnel R C Becken

Other personnel on site

Weather Conditions clear 4 degrees

Are all well pumps operating in auto? (YES) NO
If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	5	ft
PW-2	ON	(OFF)	5	ft
PW-3	ON	(OFF)	6	ft
PW-4	(ON)	OFF	5	ft
PW-5	(ON)	OFF	5	ft
PW-6	ON	(OFF)	3	ft
PW-7	(ON)	OFF	7	ft
PW-8	(ON)	OFF	5	ft
	Equalization tank		4	ft

Influent Flow Rate 74.5 gpm

Influent Totalizer Reading 1398719 gallons

Sequestering agent drum level ~4 in.

Amount of sequestering agent remaining ~5 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 5 5 psi

Bag filter bottom pressure 0 0 psi

Mr. C's Dry.Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Influent feed pump in use #1 (#2)

Influent Pump Pressure 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 4 inches H_2O

Air stripper Pressure 21 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 8 psi

Effluent flow rate 94 gpm

Effluent Totalizer reading 18495598 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 49.2 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 4

Is treatment building clean and organized? (YES) NO

Samples collected? YES NO

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent					
Air stripper effluent					
GAC influent			NA	NA	
GAC effluent			NA	NA	

Is there evidence of tampering/vandalism of wells?	YES	(NO)
Were manholes inspected?	YES	NO
Were electrical boxes inspected?	(YES)	NO
Is water present in any manholes or electrical boxes?	(YES)	NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Other observations:

Agway

vacuum 12
air pressur re 120 psi

Bank 1
SP-1 0 scfm SP-2 3 scfm SI P-3 4 scfm SP-4 0 scfm

SP-5 0 scfm SP-6 4 scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

changed filters
snow fence around PW-2 and PW-3 was pulled down and a car was parked on part of it so I was unable to repair it.
Greased all pumps and blowers

Signature

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
Piezometer Water Level Log

Date 12/13/2005 Measurements taken by RC Becken

RW-1	22.8 ft	Comments	
PZ-1A	ft	Comments	car parked on it
PZ-1B	11.28 ft	Comments	
PZ-1C	12.42 ft	Comments	
PZ-1D	ft	Comments	car parked on it
PW-2	21.74 ft	Comments	
PZ-2A	11.04 ft	Comments	
PZ-2B	11.41 ft	Comments	
PZ-2C	10.81 ft	Comments	
PZ-2D	ft	Comments	
PW-3	20.81 ft	Comments	
PZ-3A	11.77 ft	Comments	
PZ-3B	11.69 ft	Comments	
PZ-3C	12.16 ft	Comments	
PZ-3D	11.85 ft	Comments	
PW-4	21.01 ft	Comments	
PZ-4A	11.85 ft	Comments	
PZ-4B	11.17 ft	Comments	
PZ-4C	11.01 ft	Comments	
PZ-4D	10.75 ft	Comments	

RW-1 pump on during measurements?	YES	(NO)
PW-2 pump on during measurements?	YES	(NO)
PW-3 pump on during measurements?	(YES)	NO
PW-4 pump on during measurements?	(YES)	NO

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
Piezometer Water Level Log

Date 12/13/2005 Measurements taken by RC Becken

PW-5	22.1	ft	Comments
PZ-5A	10.77	ft	Comments
PZ-5B	11.05	ft	Comments
PZ-5C	10.66	ft	Comments
PZ-5D	11.48	ft	Comments
PW-6		ft	Comments car parked on well
PZ-6A	11.77	ft	Comments
PZ-6B	11.6	ft	Comments
PZ-6C	11.87	ft	Comments
PZ-6D	11.48	ft	Comments
PW-7	19.2	ft	Comments
MPI-6S	11.31	ft	Comments
PZ-7B	11.71	ft	Comments
OW-C	11.45	ft	Comments
PZ-7D	11.29	ft	Comments
PW-8	23.5	ft	Comments
PZ-8A	8.42	ft	Comments
PZ-8B	8.31	ft	Comments
PZ-8C	7.86	ft	Comments
PZ-8D	8.2	ft	Comments

PW-5 pump on during measurements?	(YES)	NO
PW-6 pump on during measurements?	YES	NO
PW-7 pump on during measurements?	(YES)	NO
PW-8 pump on during measurements?	YES	(NO)

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Date/Time 12\19\05 9:52

Inspection personnel R C Becken

Other personnel on site Jeff

Weather Conditions overcast light snow 24 degrees

Are all well pumps operating in auto? (YES) NO
If "NO", provide explanation

Provide water level readings on control panel

RW-1	ON	(OFF)	6	ft
PW-2	ON	(OFF)	6	ft
PW-3	ON	(OFF)	3	ft
PW-4	ON	(OFF)	4	ft
PW-5	(ON)	OFF	4	ft
PW-6	(ON)	OFF	3	ft
PW-7	(ON)	OFF	8	ft
PW-8	ON	(OFF)	7	ft
	Equalization tank		4	ft

Influent Flow Rate 63.25 gpm

Influent Totalizer Reading 1809659 gallons

Sequestering agent drum level ~28 in.

Amount of sequestering agent remaining ~47 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 0 4 psi

Bag filter bottom pressure 0 0 psi

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Influent feed pump in use #1 (#2)

Influent Pump Pressure 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 4 inches H_2O

Air stripper Pressure 20 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 7 psi

Effluent flow rate 92.9 gpm

Effluent Totalizer reading 18748486 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 51.4 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 4

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent					
Air stripper effluent					
GAC influent			NA	NA	
GAC effluent			NA	NA	

Is there evidence of tampering/vandalism of wells?	YES	(NO)
Were manholes inspected?	YES	NO
Were electrical boxes inspected?	(YES)	NO
Is water present in any manholes or electrical boxes?	(YES)	NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Other observations:

Agway

vacuum 12
air pressur re 120 psi

Bank 1
SP-1 0 scfm SP-2 3 scfm SI P-3 3 scfm SP-4 0 scfm

SP-5 0 scfm SP-6 4 scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

repaired snow fence which was pulled down last week and installed more fencing.
Pressure washed stripper tray though clean out ports.
Increased sequestering agent flow to approximately 5 ml/min.

Signature

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Date/Time 12\27\05 8:15

Inspection personnel R C Becken CD Becken

Other personnel on site Jeff

Weather Conditions overcast 34 degrees

Are all well pumps operating in auto? (YES) NO
If "NO", provide explanation

Provide water level readings on control panel

RW-1	(ON)	OFF	4	ft
PW-2	ON	(OFF)	6	ft
PW-3	ON	(OFF)	5	ft
PW-4	(ON)	OFF	6	ft
PW-5	ON	(OFF)	4	ft
PW-6	ON	(OFF)	7	ft
PW-7	(ON)	OFF	7	ft
PW-8	ON	(OFF)	8	ft
	Equalization tank		4	ft

Influent Flow Rate 17.21 gpm

Influent Totalizer Reading 2336901 gallons

Sequestering agent drum level ~18 in.

Amount of sequestering agent remaining ~35 gallons

Sequestering agent feed rate 5 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 0 5 psi

Bag filter bottom pressure 0 0 psi

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Influent feed pump in use #1 (#2)

Influent Pump Pressure 8 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 3.5 inches H_2O

Air stripper Pressure 22 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 7 psi

Effluent flow rate 92.6 gpm

Effluent Totalizer reading 19070817 gallons

Are building heaters in use? (YES) NO

Ambient air temperature 50.2 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 4

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent					
Air stripper effluent					
GAC influent			NA	NA	
GAC effluent			NA	NA	

Is there evidence of tampering/vandalism of wells? YES (NO)
Were manholes inspected? (YES) NO
Were electrical boxes inspected? YES (NO)
Is water present in any manholes or electrical boxes? (YES) NO

(If yes, provide manhole/electric box ID and description of any corrective measures on the following page.)

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Other observations:

Agway

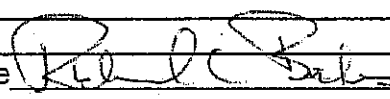
vacuum 12
air pressur re 120 psi

Bank 1
SP-1 0 scfm SP-2 3 scfm SI P-3 3 scfm SP-4 0 scfm

SP-5 0 scfm SP-6 4 scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

Disassembled the stripper trays and cleaned them, the bottom two trays were by far the worst f the four with the ever bottom tray needing the individual holes cleaned out using various sharp tools to poke the deposits out of the holes.

Signature 

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Date/Time 1/3/2006 9:00

Inspection personnel R C Becken

Other personnel on site

Weather Conditions overcast 36 degrees

Are all well pumps operating in auto? (YES) NO
If "NO", provide explanation

Provide water level readings on control panel

RW-1	ON	(OFF)	4	ft
PW-2	ON	(OFF)	7	ft
PW-3	ON	(OFF)	4	ft
PW-4	ON	(OFF)	6	ft
PW-5	(ON)	OFF	4	ft
PW-6	ON	(OFF)	6	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	6	ft
	Equalization tank		4	ft

Influent Flow Rate 23.76 gpm

Influent Totalizer Reading 2801576 gallons

Sequestering agent drum level ~10 in.

Amount of sequestering agent remaining ~15 gallons

Sequestering agent feed rate 5 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 0 5 psi

Bag filter bottom pressure 0 0 psi

Mr. C's Dry Cleaners Site
NYSDEC Site #9-15-157
System Inspection Form

Other observations:

Agway

vacuum 1 2"
air pressur re 120 psi

Bank 1
SP-1 2scfm SP-2 3 scfm SP-3 3 scfm SP-4 0 sc 4 0 scfm

SP-5 0 scfm SP-6 3 scfm SP-7 0scfm SP-8 0 scfm

Drained drop out tank of water

Describe any other system maintenance performed

changed filters
made a temporary repair of a broken monitoring well in front of Mr. C's,cut well even, capped the well, removed broken curb box, filled hole with stone so no one gets hurt stepping into the hole.
Found Rw-1 not operating, checked pump which was OK, level transducer not operating, removed transducer, we have no spare turned pump off.
Found the same problem with PW-4 except the pump was also bad, changed out pump and removed transducer, pump turned off.
I called the transducer manufacturer about repair, they are not repairable, ordered three new transducers, they will be here on the 7th of December or sooner hopefully.

Signature

Attachment B-1
Selected pages from
Severn-Trent Laboratory
Analytical Data Package #A05-A964
Sampled: December 8, 2005

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ANALYTICAL REPORT

Job#: A05-D964

STL Project#: NY5A9393.3
Site Name: Ecology and Environment NYSDEC Standby
Task: Mr. C's Site-000699.NY06

Mr. Mike Steffan
Ecology and Environment
368 Pleasant View Drive
Lancaster, NY 14086

STL Buffalo

Tony Bogolin
Anthony E. Bogolin
Project Manager

12/14/2005

STL Buffalo
Current Certifications

As of 11/29/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA,RCRA	C254
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5D96401	Effluent	WATER	12/08/2005	11:35	12/08/2005	12:15
A5D96402	Influent	WATER	12/08/2005	11:30	12/08/2005	12:15

METHODS SUMMARY

Job#: A05-D964

STL Project#: NY5A9393.3
Site Name: Ecology and Environment NYSDEC Standby

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
pH	MCAWW 150.1
Total Hardness	MCAWW 130.2

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A05-D964

STL Project#: NY5A9393.3
Site Name: Ecology and Environment NYSDEC Standby

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-D964
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
Influent	A5D96402	8260	25.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: Effluent
Lab Sample ID: A5D96401
Date Collected: 12/08/2005
Time Collected: 11:35

Date Received: 12/08/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,1-Dichloroethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,1-Dichloroethene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,2-Dibromoethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,2-Dichloroethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,2-Dichloropropane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
2-Butanone	ND		5.0	UG/L	8260	12/09/2005 16:22	BJ
2-Hexanone	ND		5.0	UG/L	8260	12/09/2005 16:22	BJ
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	12/09/2005 16:22	BJ
Acetone	5.6		5.0	UG/L	8260	12/09/2005 16:22	BJ
Benzene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Bromodichloromethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Bromoform	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Bromomethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Carbon Disulfide	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Carbon Tetrachloride	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Chlorobenzene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Chloroethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Chloroform	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Chloromethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Cyclohexane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Dibromochloromethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Dichlorodifluoromethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Ethylbenzene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Isopropylbenzene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Methyl acetate	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Methylcyclohexane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Methylene chloride	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Styrene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Tetrachloroethene	15		1.0	UG/L	8260	12/09/2005 16:22	BJ
Toluene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Total Xylenes	ND		3.0	UG/L	8260	12/09/2005 16:22	BJ
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Trichloroethene	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Trichlorofluoromethane	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ
Vinyl chloride	ND		1.0	UG/L	8260	12/09/2005 16:22	BJ

Sample ID: Effluent
Lab Sample ID: A5D96401
Date Collected: 12/08/2005
Time Collected: 11:35

Date Received: 12/08/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
pH	8.17		0	S.U.	150.1	12/08/2005 17:30	SM
Total Hardness	450		2.0	MG/L	130.2	12/12/2005 11:00	LRM

Sample ID: Influent
Lab Sample ID: A5D96402
Date Collected: 12/08/2005
Time Collected: 11:30

Date Received: 12/08/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,1,2,2-Tetrachloroethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,1,2-Trichloroethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,1-Dichloroethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,1-Dichloroethene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,2,4-Trichlorobenzene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,2-Dibromo-3-chloropropane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,2-Dibromoethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,2-Dichlorobenzene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,2-Dichloroethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,2-Dichloropropane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,3-Dichlorobenzene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
1,4-Dichlorobenzene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
2-Butanone	ND		120	UG/L	8260	12/09/2005 16:51	BJ
2-Hexanone	ND		120	UG/L	8260	12/09/2005 16:51	BJ
4-Methyl-2-pentanone	ND		120	UG/L	8260	12/09/2005 16:51	BJ
Acetone	ND		120	UG/L	8260	12/09/2005 16:51	BJ
Benzene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Bromodichloromethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Bromoform	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Bromomethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Carbon Disulfide	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Carbon Tetrachloride	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Chlorobenzene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Chloroethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Chloroform	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Chloromethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
cis-1,2-Dichloroethene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
cis-1,3-Dichloropropene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Cyclohexane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Dibromochloromethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Dichlorodifluoromethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Ethylbenzene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Isopropylbenzene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Methyl acetate	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Methyl-t-Butyl Ether (MTBE)	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Methylcyclohexane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Methylene chloride	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Styrene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Tetrachloroethene	1000		25	UG/L	8260	12/09/2005 16:51	BJ
Toluene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Total Xylenes	ND		75	UG/L	8260	12/09/2005 16:51	BJ
trans-1,2-Dichloroethene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
trans-1,3-Dichloropropene	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Trichloroethene	28		25	UG/L	8260	12/09/2005 16:51	BJ
Trichlorofluoromethane	ND		25	UG/L	8260	12/09/2005 16:51	BJ
Vinyl chloride	ND		25	UG/L	8260	12/09/2005 16:51	BJ

Sample ID: Influent
Lab Sample ID: A5D96402
Date Collected: 12/08/2005
Time Collected: 11:30

Date Received: 12/08/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
pH	7.57		0	S.U.	150.1	12/08/2005 17:30	SM
Total Hardness	500		2.0	MG/L	130.2	12/12/2005 11:00	LRM

Batch Quality Control Data

Lab Sample ID: A5D84615 A5D84615MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS ALLIED - 130.2 - TOTAL HARDNESS AS CAC	MG/L	0	148.0	160.0	92	74-130

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Client ID		VBLK10							
Job No	Lab ID	A05-D964	A5B1918702						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	NA		NA		NA	
Benzene	UG/L	ND	1.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	1.0	NA		NA		NA	
Bromoform	UG/L	ND	1.0	NA		NA		NA	
Bromomethane	UG/L	ND	1.0	NA		NA		NA	
2-Butanone	UG/L	ND	5.0	NA		NA		NA	
Carbon Disulfide	UG/L	ND	1.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Chloroethane	UG/L	ND	1.0	NA		NA		NA	
Chloroform	UG/L	ND	1.0	NA		NA		NA	
Chloromethane	UG/L	ND	1.0	NA		NA		NA	
Cyclohexane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	1.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	1.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	1.0	NA		NA		NA	
2-Hexanone	UG/L	ND	5.0	NA		NA		NA	
Isopropylbenzene	UG/L	ND	1.0	NA		NA		NA	
Methyl acetate	UG/L	ND	1.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	1.0	NA		NA		NA	
Methylene chloride	UG/L	ND	1.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	NA		NA		NA	
Styrene	UG/L	ND	1.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	1.0	NA		NA		NA	
Toluene	UG/L	ND	1.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	

15/24

NA = Not Applicable ND = Not Detected

Client ID		VBLK10							
Job No	Lab ID	A05-D964	A5B1918702						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	NA		NA		NA	
Trichloroethene	UG/L	ND	1.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	1.0	NA		NA		NA	
Total Xylenes	UG/L	ND	3.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	94	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	98	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	95	50-200	NA		NA		NA	
Toluene-D8	%	98	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	92	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	99	72-143	NA		NA		NA	

16/24

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A05-D964	A5B1922602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Hardness	MG/L	ND	2.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK10 MSB10
Lab Sample ID: A5B1918702 A5B1918701

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	25.0	25.0	100	65-142
Trichloroethene	UG/L	24.7	25.0	99	71-120
Benzene	UG/L	25.0	25.0	100	67-126
Toluene	UG/L	25.0	25.0	100	69-120
Chlorobenzene	UG/L	24.6	25.0	99	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A5B1922602 A5B1922601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CACO3	MG/L	98.00	100.0	98	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Effluent A05-D964 A5D96401	Influent A05-D964 A5D96402			
Sample Date	12/08/2005 11:35	12/08/2005 11:30			
Received Date	12/08/2005 12:15	12/08/2005 12:15			
Extraction Date					
Analysis Date	12/09/2005 16:22	12/09/2005 16:51			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	25.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK10 A05-D964 A5B1918702				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	12/09/2005 12:01				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A5D96401	Effluent	RECNY	pH	150.1	1.0		12/08/05 11:35	12/08 12:15	NA		12/08 17:30	SM	Y	WATER
		RECNY	Total Hardness	130.2	1.0		12/08/05 11:35	12/08 12:15	NA		12/12 11:00	LRM	Y	WATER
A5D96402	Influent	RECNY	pH	150.1	1.0		12/08/05 11:30	12/08 12:15	NA		12/08 17:30	SM	Y	WATER
		RECNY	Total Hardness	130.2	1.0		12/08/05 11:30	12/08 12:15	NA		12/12 11:00	LRM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A5B1922602	Method Blank	RECNY	Total Hardness	130.2	1.0		-	-	NA		12/12 11:00	LRM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Ecology + Environment Inc	Project Manager: Mike Steffan	Date: 12/8/05	Chain of Custody Number: 250197
Address: 368 Pleasant View Dr.	Telephone Number (Area Code)/Fax Number: (716) 684-8060 (716) 684-0844	Lab Number:	Page 1 of 1
City: Lancaster / State: NY / Zip Code: 14086	Site Contact: Rick Becker / Lab Contact: Tony B		
Project Name and Location (State): Mr C's Monthly East Aurora, NY	Carrier/Waybill Number: Hand Delivered		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis: 8260	150 pH	130.2 T Hardness	Special Instructions/ Conditions of Receipt
Influent	12/8/05	1130		✓				1		1	3				3	1	1	
Effluent	12/8/05	1135		✓				1		1	3				3	1	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☑ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

1. Relinquished By: Rick C Becker	Date: 12/8/05	Time: 1215	1. Received By: CBell STL Buffalo	Date: 12/8/05	Time: 1215
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 6°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Attachment B-2
Selected pages from
Severn-Trent Laboratory
Analytical Data Package #A05-E445
Sampled: December 21, 2005

SEVERN TRENT STL®

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-E445

STL Project#: NY5A9393.3
Site Name: Ecology and Environment NYSDEC Standby
Task: Mr. C's Site-000699.NY06

Mr. Mike Steffan
Ecology and Environment
368 Pleasant View Drive
Lancaster, NY 14086

STL Buffalo

Tony Bogolin
Anthony E. Bogolin
Project Manager

12/23/2005

STL Buffalo
Current Certifications

As of 11/29/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA,RCRA	C254
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5E44502	EFFLUENT	WATER	12/20/2005	08:46	12/21/2005	08:13
A5E44501	INFLUENT	WATER	12/20/2005	08:43	12/21/2005	08:13

METHODS SUMMARY

Job#: A05-E445

STL Project#: NY5A9393.3
Site Name: Ecology and Environment NYSDEC Standby

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A05-E445

STL Project#: NY5A9393.3
Site Name: Ecology and Environment NYSDEC Standby

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-E445
Sample Cooler(s) were received at the following temperature(s); 5.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
INFLUENT	A5E44501	8260	20.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: EFFLUENT
Lab Sample ID: A5E44502
Date Collected: 12/20/2005
Time Collected: 08:46

Date Received: 12/21/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,1-Dichloroethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,1-Dichloroethene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,2-Dibromoethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,2-Dichloroethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,2-Dichloropropane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
2-Butanone	ND		5.0	UG/L	8260	12/21/2005 23:01	BJ
2-Hexanone	ND		5.0	UG/L	8260	12/21/2005 23:01	BJ
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	12/21/2005 23:01	BJ
Acetone	ND		5.0	UG/L	8260	12/21/2005 23:01	BJ
Benzene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Bromodichloromethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Bromoform	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Bromomethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Carbon Disulfide	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Carbon Tetrachloride	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Chlorobenzene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Chloroethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Chloroform	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Chloromethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Cyclohexane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Dibromochloromethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Dichlorodifluoromethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Ethylbenzene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Isopropylbenzene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Methyl acetate	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Methylcyclohexane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Methylene chloride	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Styrene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Tetrachloroethene	1.3		1.0	UG/L	8260	12/21/2005 23:01	BJ
Toluene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Total Xylenes	ND		3.0	UG/L	8260	12/21/2005 23:01	BJ
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Trichloroethene	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Trichlorofluoromethane	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ
Vinyl chloride	ND		1.0	UG/L	8260	12/21/2005 23:01	BJ

Sample ID: INFLUENT
Lab Sample ID: A5E44501
Date Collected: 12/20/2005
Time Collected: 08:43

Date Received: 12/21/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,1,2,2-Tetrachloroethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,1,2-Trichloroethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,1-Dichloroethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,1-Dichloroethene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,2,4-Trichlorobenzene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,2-Dibromo-3-chloropropane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,2-Dibromoethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,2-Dichlorobenzene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,2-Dichloroethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,2-Dichloropropane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,3-Dichlorobenzene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
1,4-Dichlorobenzene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
2-Butanone	ND		100	UG/L	8260	12/21/2005 22:32	BJ
2-Hexanone	ND		100	UG/L	8260	12/21/2005 22:32	BJ
4-Methyl-2-pentanone	ND		100	UG/L	8260	12/21/2005 22:32	BJ
Acetone	ND		100	UG/L	8260	12/21/2005 22:32	BJ
Benzene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Bromodichloromethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Bromoform	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Bromomethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Carbon Disulfide	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Carbon Tetrachloride	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Chlorobenzene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Chloroethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Chloroform	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Chloromethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
cis-1,2-Dichloroethene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
cis-1,3-Dichloropropene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Cyclohexane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Dibromochloromethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Dichlorodifluoromethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Ethylbenzene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Isopropylbenzene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Methyl acetate	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Methyl-t-Butyl Ether (MTBE)	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Methylcyclohexane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Methylene chloride	33		20	UG/L	8260	12/21/2005 22:32	BJ
Styrene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Tetrachloroethene	1100		20	UG/L	8260	12/21/2005 22:32	BJ
Toluene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Total Xylenes	ND		60	UG/L	8260	12/21/2005 22:32	BJ
trans-1,2-Dichloroethene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
trans-1,3-Dichloropropene	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Trichloroethene	33		20	UG/L	8260	12/21/2005 22:32	BJ
Trichlorofluoromethane	ND		20	UG/L	8260	12/21/2005 22:32	BJ
Vinyl chloride	ND		20	UG/L	8260	12/21/2005 22:32	BJ

Chronology and QC Summary Package

Client ID		vblk22							
Job No	Lab ID	A05-E445	A5B1987002						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	NA		NA		NA	
Benzene	UG/L	ND	1.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	1.0	NA		NA		NA	
Bromoform	UG/L	ND	1.0	NA		NA		NA	
Bromomethane	UG/L	ND	1.0	NA		NA		NA	
2-Butanone	UG/L	ND	5.0	NA		NA		NA	
Carbon Disulfide	UG/L	ND	1.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Chloroethane	UG/L	ND	1.0	NA		NA		NA	
Chloroform	UG/L	ND	1.0	NA		NA		NA	
Chloromethane	UG/L	ND	1.0	NA		NA		NA	
Cyclohexane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	1.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	1.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	1.0	NA		NA		NA	
2-Hexanone	UG/L	ND	5.0	NA		NA		NA	
Isopropylbenzene	UG/L	ND	1.0	NA		NA		NA	
Methyl acetate	UG/L	ND	1.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	1.0	NA		NA		NA	
Methylene chloride	UG/L	ND	1.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	NA		NA		NA	
Styrene	UG/L	ND	1.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	1.0	NA		NA		NA	
Toluene	UG/L	ND	1.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	

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NA = Not Applicable ND = Not Detected

Client ID	vblk22							
Job No Lab ID	A05-E445	A5B1987002						
Sample Date								
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	NA		NA		NA	
Trichloroethene	UG/L	ND	1.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	1.0	NA		NA		NA	
Total Xylenes	UG/L	ND	3.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	99	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	104	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	98	50-200	NA		NA		NA	
Toluene-D8	%	100	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	100	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	107	72-143	NA		NA		NA	

12/16

NA = Not Applicable ND = Not Detected

Client Sample ID: vblk22 msb22
Lab Sample ID: A5B1987002 A5B1987001

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	23.3	25.0	93	65-142
Trichloroethene	UG/L	23.6	25.0	94	71-120
Benzene	UG/L	24.1	25.0	97	67-126
Toluene	UG/L	23.9	25.0	96	69-120
Chlorobenzene	UG/L	23.7	25.0	95	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	EFFLUENT A05-E445 A5E44502	INFLUENT A05-E445 A5E44501			
Sample Date	12/20/2005 08:46	12/20/2005 08:43			
Received Date	12/21/2005 08:13	12/21/2005 08:13			
Extraction Date					
Analysis Date	12/21/2005 23:01	12/21/2005 22:32			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	20.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

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NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	vblk22 A05-E445 A5B1987002				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	12/21/2005 21:26				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ECOLOGY & ENVIRONMENT INC	MICHAEL G. STEFFAN	12/20/05	252410
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
368 PLEASANT VIEW DRIVE	716.684.8060		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
LANCASTER / NY / 14086			
Project Name and Location (State)	**Carrier/Waybill Number**		
MR C'S DRY CLEANER SITE	HAND DELIVER		
Contract/Purchase Order/Quote No.			
000633, NY06.05			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
INFLUENT	12/20/05	8:43A		X										BY JJK
EFFLUENT	12/20/05	8:46A		X										BY JJK

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 48 Hrs

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Michael G. Steffan	12/21/05	8:13 AM		12/21/05	0813
2.						
3.						

Comments

5.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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Attachment C
Summary of Site Utility Costs and Projections
October 2004 to December 2005

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs

ATTACHMENT C

NYSDEC Work Assignment #27.5

12 Months of System Operation and Maintenance

December 2005 Report

Utility Budget:

Electric:	$24,024.00
Telephone:	$680.00
Gas	$1,100.00
Total:	$25,804.00

Gas and Electric

Utility Provider	Account #	E&E Cost Center	Description	October '05	November '05	December '05	January '06	February '06	March '06	April '06	May '06
New York State E&G	06-311-11-002	000699.NY06.05	Mr. C's Electric Costs	$ 1,871.38	$ 1,813.41	$ 1,446.70	$1,762.12	$ 1,908.70			
New York State E&G	76-311-11-015900-18		Agway Site - Electric	$ 294.32	$ 227.81	$ 314.54	$267.23	$ 316.73			
National Fuel Gas	5819628-05	000699.NY06.05	Mr. C's Natural Gas Costs		$ 8.61	$ 181.57		$ -			
			Totals	$ 2,165.70	$ 2,049.83	$ 1,942.81	$2,029.35	$ 2,225.43			

	June '06	July '06	August '06	September '06	October '06	November	December	January '06	Ave. /Month
Mr. C's Electric Costs									$ 1,760.46
Agway Electric									$ 284.13
Mr. C's Natural Gas Costs									$ 38.04
Totals	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$0.00	$ 2,082.62

Electric	$ 8,802.31	
Natural Gas	$ 190.18	Overbilled natural gas costs
Grand Total - NYSE&G/National Fuel Gas Costs To Date	$ 8,992.49	Estimated Reading

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	October '05	November '05	December '05	January '06	February '06	March '06	April '06	May '06
Verizon	716-652-0094	000699.NY06.05	Mr. C's Telephone Costs								
Account#				$ -	$ 38.60	$ 39.71	$ -	$ -	$ -	$ -	$ -
716 652 0094 416 26 2											

	June '06	July '06	August	September	October	November	December		Ave./Month
	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ 26.10

Grand Total - Verizon Costs to Date	$ 78.31	****This includes initial connection fees for the phone company of approximately $180.
Grand Total All Utilities To Date	$ 9,070.80	

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs

ATTACHMENT C

NYSDEC Work Assignment #27.4

12 Months of System Operation and Maintenance

Budget Remaining:

Electric:	$15,221.69
Telephone:	$680.00
Gas	$909.82
Total:	$16,811.51

Monthly Treatment System Operational Time by O&M Services

Month	Possible OP Hours	Actual OP Hours	Up-Time Percent	Percent Capacity*	General Operation Comments
September-03	96	96	100.00%	58%	Shutdown by Tyree after Separable Part B inspection
October-03	168	168	100.00%	6%	Official Startup by O&M Enterprises on 10/22/03
November-03	720	720	100.00%	5%	
December-03	744	744	100.00%	28%	
January-04	672	672	100.00%	16%	
February-04	696	696	100.00%	21%	
March-04	816	815	99.88%	51%	
April-04	672	670	99.70%	50%	
May-04	696	513	73.71%	43%	Equipment shutdown- low flow of water to air stripper - 5/17-24/04
June-04	696	692	99.43%	30%	Individual pumps shutdown for inspection and cleaning
July-04	840	840	100.00%	47%	100% operational
August-04	672	672	100.00%	42%	100% operational
September-04	840	820	97.62%	31%	Temporary Stripper Shutdown
October-04	672	607	90.33%	33%	65 hour weekend shutdown due to low pressure problems with the airstripper
November-04	696	641.5	92.17%	37%	
December-04	816	792	97.06%	42%	GAC units removed from treatment system operations
January-05	840	840	100.00%	46%	GAC units removed from project site 1/14/05
February-05	672	660	98.21%	41%	Unit cleaned February 4, 2005
March-05	840	828	98.57%	33%	Unit shut down for additional cleaning and sequestering agent review.
April-05	696	609	87.50%	58%	Unit cleaned April 8, 2005. Back in service until new sequestering agent approved and installed.
May-05	840	768	91.43%	36%	Unit re-cleaned and new water treatment chemical stsrted operations on 5/19/05
June-05	744	644	86.56%	30%	Extremely dry month of June.
July-05	624	605.5	97.04%	44%	Extremely dry month of July.
August-05	696	696	100.00%	44%	Extremely dry month of August.
September-05	864	864	100.00%	40%	Extremely dry month of September.
October-05	672	672	100.00%	39%	Extremely dry month of October.
November-05	672	659	98.07%	34%	Power outage occurred November 6, 2005
December-05	864	854	98.84%	29.6%	Air Stripper cleaning occurred on 12/27/05
Totals to Date	19536	18858	96.53%		Based on OM services provided by EEEPC/OMEI since 9/03.

* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 9/02.
Evaluated on total gallons discharged for monthly operating time
Maximum pump discharges calculated as an average of 78 gpm as the total for all 8 pumps at the site if all pumps operate 100%.
With the exception of groundwater pump RW-1 all other pumps run a batch basis

Projected Utility Costs for the O&M year (10/05 to 1/06)

	Ave./Month			
Mr. C's Electric	$ 1,760.46			
Agway Electric	$ 284.13			
Mr. C's Gas	$ 38.04			
Mr. C's Telephone	$ 26.10			
Ave. Utility Cost Total	$ 2,108.73	times	12 month Estimate	$27,413.46