



## ecology and environment engineering, p.c.

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BUFFALO CORPORATE CENTER  
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August 5, 2005

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  
July 2005 Operations, Maintenance, and Monitoring Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide this July 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. All analytical results for the report were analyzed at the lowest detection limits in accordance with the method standard. Remedial treatment system utility costs are provided as Attachment C.

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

### Operational Summary

- The treatment system was operational for approximately 97% of the period between 7/6/05 and 8/01/05. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- The effluent totalizer readings for the month of July 2005 indicate that approximately 1,283,302 gallons of groundwater were processed through the treatment system from 7/6/05 through 8/01/05. 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.
- Increased filter change out frequency recommended in July 2005 Operational Summary was implemented. Filters in the influent bag filter unit were replaced during weekly inspections on 7/11/05, 7/18/05, 7/25/05 and 8/01/05.

**Mr. Dave Chiusano, Project Manager**

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- Checklists for weekly system inspections from OMEI are provided as Attachment A for 7/6/05, 7/11/05, 7/18/05, 7/25/05 and 8/01/05. Weekly system checks indicated that the air stripper differential pressure was between 17 and 22 inches of water during the month of July 2005. Maintaining the differential pressure of the stripper trays between 17 and 30 inches of water is critical for treated effluent to be in compliance with the discharge criteria.
- OMEI continues the process of optimizing a feed rate for the new sequestering agent. An initial feed rate of 5mg/L during the period of 7/6/05 to 7/18/05 was decreased to 2mg/L by 7/25/05. The last recorded feed rate was 2mg/L on 8/01/05.
- Results of waste rydlime sample for pH was 1.21 and is presented in Analytical Data page 14 of 29. Waste will be sent off site for disposal once Clean Harbors approves the waste profile for disposal.
- The fresh air ductwork to the air stripper collapse as noted in July 6, 2005 Weekly Summary Report was due to high indoor temperatures (>120 deg F.) and the blower ductwork being unsupported. The system was restored and operational the same day after switching to Blower #2. All piping repairs and new supports were completed by 7/11/05.
- Effluent water meter temporarily out of service due to scale build up was cleaned and restored to service. High/low temperature alarms for building have been installed and are now functional discrete components of the Autodialer. The unit was reconfigured to directly indicate which active alarm initiates a call.
- Original pump and controller in RW-1 and controller remain in place. A larger pump controller needs to be installed to handle a higher horsepower pump. System is remains operational. Change out to a larger (higher amperage) pump will occur at an O&M visit in August.
- Creek discharge sampling data for Tannery Brook is included in the report for the first time. The results of 3.3  $\mu\text{g/L}$  are below the compliance levels of 10  $\mu\text{g/L}$ . Analytical results are included in Appendix B.
- A copy of the site utility costs from EEEPC operations from October 2004 to date is provided as Attachment C.

#### **Analytical Summary - Groundwater**

- EEEPC and OMEI personnel collected samples of influent and effluent groundwater for the reporting period 7/6/05 to 8/1/05 on July 6, 2005 as part of the normal O&M services. At the request of the Department the lowest possible method detection limits were used for the analysis. The analytical results for the July 2005 sampling events are presented in Table 3.
- The July 2005 analytical results indicate that the treated groundwater effluent was below the site specific Effluent Discharge Limitation Requirements for all compounds including PCE. A comparison between the July 2005 analytical results and the Effluent Discharge Limitation Requirements for the site are provided in Table 4.

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- Approximately 16.7 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 lbs of volatile organic compounds 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.
- The Agway/Matrix system remains in operation since start up in April 2005. OMEI continues to review the system operations on a weekly basis. All air sparge points continue to be functional except for one point in the north area of the field.
- EEEPC plans to purge and sample the onsite wells on the Agway property in September 2005 to evaluate the specific remedial cleanup.

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

Very Truly Yours,



Michael G. Steffan  
Project Manager  
Ecology and Environment Engineering, P. C.

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

**Attachment A**  
**OMEI Weekly Inspection Reports**  
**July 2005**

**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%

**Average Operational Up-time = 93.62%**

**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 <sup>1</sup>	9/5/02 - 10/2/02	4,362,477
October 2002 <sup>1</sup>	10/2/02 - 11/4/02	4,290,429
November 2002 <sup>1</sup>	11/4/02 - 12/2/02	3,326,126
December 2002 <sup>1</sup>	12/2/02 - 1/7/03	3,349,029
January 2003 <sup>1</sup>	1/7/03 - 2/3/03	1,973,144
February 2003 <sup>1</sup>	2/3/03 - 3/10/03	2,158,771
March 2003 <sup>1</sup>	3/10/03 - 4/7/03	3,263,897
April 2003 <sup>1</sup>	4/7/03 - 5/2/03	2,574,928
May 2003 <sup>1</sup>	5/2/03 - 6/2/03	1,652,538
June 2003 <sup>1</sup>	6/2/03 - 6/30/03	2,002,990
July 2003 <sup>1</sup>	6/30/03 - 7/29/03	2,543,978
August 2003 <sup>1</sup>	7/29/03 - 8/25/03	2,042,424
September 2003 <sup>1</sup>	8/25/03 - 10/22/03	370,446
October 2003 <sup>2</sup>	10/22/03 - 10/29/03	67,424
November 2003 <sup>2</sup>	10/29/03 - 11/25/03	224,278
December 2003 <sup>2</sup>	11/25/03 - 12/29/03	1,496,271
January 2004 <sup>2</sup>	12/29/03 - 01/26/04	688,034
February 2004 <sup>2</sup>	01/26/04 - 02/24/04	736,288
March 2004 <sup>2</sup>	02/24/04 - 03/29/04	2,164,569
April 2004 <sup>2</sup>	03/29/04 - 04/26/04	1,741,730
May 2004 <sup>2</sup>	4/26/2004 - 5/24/2004	1,408,095
June 2004 <sup>2</sup>	5/24/2004 - 6/21/2004	972,132
July 2004 <sup>2</sup>	6/22/2004 - 7/26/2004	1,858,790
August 2004 <sup>2</sup>	7/27/04 - 8/23/04	1,289,960
September 2004 <sup>2</sup>	8/23/04 - 9/27/04	1,201,913
October 2004 <sup>2</sup>	9/27/04 - 10/25/04	937,560
November 2004 <sup>2</sup>	10/25/04 - 11/23/04	1,098,158
December 2004 <sup>2</sup>	11/23/04 - 12/27/04	1,556,063
January 2005 <sup>2</sup>	12/27/04 - 1/31/05	1,798,238
February 2005 <sup>2</sup>	1/31/05 - 2/28/05	1,271,562
March 2005 <sup>2</sup>	2/28/05 - 4/4/05	1,295,692
April 2005 <sup>2</sup>	4/4/05 - 5/2/05	1,652,510
May 2005 <sup>2</sup>	5/2/05 - 6/6/05	1,423,099
June 2005 <sup>2</sup>	6/6/05 - 7/6/05	877,988
July 2005 <sup>2</sup>	7/6/05 - 8/1/05	1,283,302
	<b>Total</b>	<b>60,954,833</b>

**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**  
**July 2005 VOC Analytical Summary**

Compound	July 6, 2005		
	Influent Concentration (µg/L)	Effluent Concentration (µg/L)	Cleanup Efficiency (%)
Acetone	ND (<250)	4.6	NA
2-Butanone	ND (<250)	ND	NA
Methylene chloride	37 J	ND	NA
Methyl tert-butyl ether	ND (<50)	ND	NA
Tetrachloroethene	1500	0.91 J	99.94%
Toluene	ND (<50)	ND	NA
Trichloroethene	38 J	0 J	100.00%
Total Xylenes	ND (<150)	ND J	NA

**July TOTAL (in ug/L) =        1575.0                    5.51**

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

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

Parameter	Daily Maximum <sup>1</sup>	Units	July 6, 2005 Effluent Analytical Values
Flow	216,000	gpd	49,357.8 gpd <sup>6</sup>
pH	6.0 - 9.0	standard units	8.1
1,1 Dichloroethene	10	µg/L	ND (<1.0)
1,2 Dichloroethane	10	µg/L	ND (<1.0)
Trichloroethene	10	µg/L	ND (<1.0)
Tetrachloroethene	10	µg/L	0.91 J
Vinyl Chloride	10	µg/L	ND (<1.0)
Benzene	5	µg/L	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)
Methylene Chloride	10	µg/L	ND (<1.0)
1,1,1 Trichloroethane	10	µg/L	ND (<1.0)
Toluene	5	µg/L	ND (<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND (<1.0)
o-Xylene <sup>3</sup>	5	µg/L	NA
m, p-Xylene <sup>3</sup>	10	µg/L	NA
Total Xylenes	NA	ug/L	NA
Iron, total	600	µg/L	NA
Aluminum	4,000	µg/L	NA
Copper	48	µg/L	NA
Lead	11	µg/L	NA
Manganese	2,000	µg/L	NA
Silver	100	µg/L	NA
Vanadium	28	µg/L	NA
Zinc	230	µg/L	NA
Total Dissolved Solids	850	mg/L	NA
Total Suspended Solids	20	mg/L	NA
Hardness	N/A	mg/l	463
Cyanide, Free	10	µg/L	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 July 6, 2005 through August 1, 2005. Total gallons 1,283,302 divided by 26 operating days.
7. "J" indicates an estimated value.
8. "B" indicates analyte found in the associated blank.

 indicates non-compliance with the 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 <sup>6</sup>	9/5/02 - 10/2/02	1297	1	47.2
October 2002 <sup>6</sup>	10/2/02 - 11/4/02	2000	1	71.6
November 2002 <sup>6</sup>	11/4/02 - 12/2/02	1685	0	46.8
December 2002 <sup>6</sup>	12/2/02 - 1/7/03	1586	9	44.1
January 2003 <sup>6</sup>	1/7/03 - 2/3/03	1803	10	29.5
February 2003 <sup>6</sup>	2/3/03 - 3/10/03	1985	3	35.7
March 2003 <sup>6</sup>	3/10/03 - 4/7/03	1990	5	54.1
April 2003 <sup>6</sup>	4/7/03 - 5/2/03	1656	3	35.5
May 2003 <sup>6</sup>	5/2/03 - 6/2/03	1623	7	22.3
June 2003 <sup>6</sup>	6/2/03 - 6/30/03	5787	6	96.6
July 2003 <sup>6</sup>	6/30/03 - 7/29/03	1356	1	28.8
August 2003 <sup>6</sup>	7/29/03 - 8/25/03	1263	3	21.5
September 2003 <sup>6</sup>	8/25/03 - 10/22/03	1263	3	3.9
October 2003 <sup>7</sup>	10/22/03 - 10/29/03	1693.69	1.47	1.0
November 2003 <sup>7</sup>	10/29/03 - 11/25/03	2510.83	4.4	4.7
December 2003 <sup>7</sup>	11/25/03 - 12/29/03	503.3	10.5	6.2
January 2004 <sup>7</sup>	12/29/03 - 01/26/04	3667	15.8	21.0
February 2004 <sup>7</sup>	01/26/04 - 02/24/04	3348.6	26.7	20.4
March 2004 <sup>7</sup>	02/24/04 - 03/29/04	1939.3	4.96	34.9
April 2004 <sup>7</sup>	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004 <sup>7</sup>	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004 <sup>7</sup>	5/24/2004 - 6/21/2004	1454	1.7	22.5
July 2004 <sup>7</sup>	6/22/2004 - 7/26/2004	1313	3.6	20.3
August 2004 <sup>7</sup>	7/27/04 - 8/23/04	2305	7.4	24.7
September 2004 <sup>7</sup>	8/23/04 - 9/27/04	1453	6.7	14.5
October 2004 <sup>7</sup>	9/27/04 - 10/25/04	1504	14.3	11.7
November 2004 <sup>7</sup>	10/25/04 - 11/23/04	1480	36.42	13.2
December 2004 <sup>7,8</sup>	11/23/04 - 12/27/04	1562	132.21	18.6
January 2005 <sup>7</sup>	12/27/04 - 1/31/05	1264	47.5	18.3
February 2005 <sup>9</sup>	1/31/05 - 2/28/05	1538	53.2	15.8
March 2005 <sup>9</sup>	2/28/05 - 4/4/05	931	56.0	9.5
April 2005 <sup>9</sup>	4/4/05 - 5/2/05	1269	111.7	15.96
May 2005 <sup>9</sup>	5/2/05 - 6/6/05	1431	319.0	13.20
June 2005 <sup>9</sup>	6/6/05 - 7/6/05	1126	12	8.16
July 2005 <sup>9</sup>	7/6/05 - 8/1/05	1575	5.90	16.80
<b>Total pounds of VOCs removed from inception =</b>				<b>912.34</b>

**NOTES:**

- Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
- Calculations assume that non-detect values = 0 ug/L.
- Total VOCs summations include estimated "J" values.
- Calculations are based on effluent totalizer readings.
- "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
- No samples were collected in September 2003. August 2003 values are used.
- Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
- Treatment system operated by O&M Enterprises from 10/03 to present.
- Average influent and effluent concentrations used for December 2004.

**CONVERSIONS:**

1 pound = 453.5924 grams  
 1 gallon = 3.785 liters

Pounds of VOCs removed calculated by the following formula:

$$(1575 \text{ ug/L} - 5.90 \text{ ug/L}) * (1 \text{ g}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 1,283,302 \text{ gallons} * (3.785 \text{ L}/\text{gallon}) \sim 16.8 \text{ lbs}$$

where 1,283,302 gallons is the monthly process water volume.

**Attachment A**  
**OMEI Weekly Inspection Reports**  
**July 2005**

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

Date/Time 7/6/05 1:30

Inspection personnel RC Becken

Other personnel on site Mike Steffan

Weather Conditions overcast 75 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	<u>4</u>	ft
PW-2	ON	(OFF)	<u>7</u>	ft
PW-3	ON	(OFF)	<u>7</u>	ft
PW-4	ON	(OFF)	<u>3</u>	ft
PW-5	(ON)	OFF	<u>9</u>	ft
PW-6	(ON)	OFF	<u>9</u>	ft
PW-7	(ON)	OFF	<u>7</u>	ft
PW-8	ON	(OFF)	<u>4</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 39.55 gpm

Influent Totalizer Reading 1387072 gallons

Sequestering agent drum level 12 in.

Amount of sequestering agent remaining ~15 gallons

Sequestering agent feed rate 5 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 18 psi

Bag filter bottom pressure 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<sub>2</sub>O

Air stripper r Pressure      \_\_\_\_\_ 22 inches H<sub>2</sub>O

Effluent feed pump in use      (#1)      #2

Effluent feed pump pressure      \_\_\_\_\_ 7 psi

Effluent flow rate      \_\_\_\_\_ ~95 gpm

Effluent Totalizer reading      \_\_\_\_\_ 12687397 gallons

Are building heaters in use?      YES      (NO)

Ambient air temperature      \_\_\_\_\_ ~75 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	6.74	10.84	60.1
Air stripper effluent		12:45	7	10.45	61.9
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

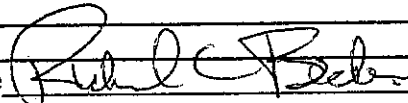
Other observations:

Upon arriving at the treatment plant yesterday morning (7/5/05) I found the plant to be extremely hot, the 16 inch air duct from the blower to the stripper tray had melted and collapsed under its own weight. There wasn't much I felt I could do without new duct work so I proceeded to change out the pump in RW-1. After installing the new pump in RW-1 (which is one size larger than the pump that has been in the well) I realized that a larger controller was also needed. M. Steffan returned my calls to him around 12:00 so I informed him of the problems. Reinstalled the old pump in RW-1. Removed the motor from the compressor in the Agway system (it had failed sometime in the last week also. Called to order a new drum of Redux 380 as there is approx. 15 gallons left. Removed the melted duct work from blower 1 and decided that I may be able to start the system using blower 2, made the necessary adjustments and started the system. The first time the influent pump turned on the duct work on the downstream side of the stripper tray blew off and soapy foam(???) came out. I shut down the system then opened a viewing port on the stripper tray and turned on the influent pump to see what was happening inside the stripper tray. The water was foaming up on the top tray and after a very short period of time the blower would start blowing the foam out of the exhaust of the stripper. The foam I would assume is because of a high dosage of Redux 380. Left site off for the night. (7/5/05)

Describe any other system maintenance performed

7/6/05 Started the system leaving the sequestering pump off, filled the influent tank to dilute the Redux 380 as much as possible then turned on the influent pump. This worked as the system was back operational by approx. 10:30. Did water level measurement then took the monthly samples, also sampled the leftover Rdylime for pH and per Mike Steffan took effluent samples at the outfall also. Changed filters.

Signature



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

Date 7/6/2005

Measurements taken by RC Becken

RW-1	<u>                    </u>	ft	Comments <u>car on it</u>
PZ-1A	<u>11.67</u>	ft	Comments <u>                    </u>
PZ-1B	<u>11.32</u>	ft	Comments <u>                    </u>
PZ-1C	<u>12.45</u>	ft	Comments <u>                    </u>
PZ-1D	<u>12.57</u>	ft	Comments <u>                    </u>
PW-2	<u>21.95</u>	ft	Comments <u>                    </u>
PZ-2A	<u>11.14</u>	ft	Comments <u>                    </u>
PZ-2B	<u>11.46</u>	ft	Comments <u>                    </u>
PZ-2C	<u>10.98</u>	ft	Comments <u>                    </u>
PZ-2D	<u>                    </u>	ft	Comments <u>                    </u>
PW-3	<u>19.45</u>	ft	Comments <u>                    </u>
PZ-3A	<u>11.64</u>	ft	Comments <u>                    </u>
PZ-3B	<u>11.66</u>	ft	Comments <u>                    </u>
PZ-3C	<u>12.16</u>	ft	Comments <u>                    </u>
PZ-3D	<u>11.7</u>	ft	Comments <u>                    </u>
PW-4	<u>22.9</u>	ft	Comments <u>                    </u>
PZ-4A	<u>11.84</u>	ft	Comments <u>                    </u>
PZ-4B	<u>11.2</u>	ft	Comments <u>                    </u>
PZ-4C	<u>11.36</u>	ft	Comments <u>                    </u>
PZ-4D	<u>10.68</u>	ft	Comments <u>                    </u>

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 \_\_\_\_\_ Measurements taken by \_\_\_\_\_

PW-5	<u>17.4</u>	ft	Comments _____
PZ-5A	<u>10.85</u>	ft	Comments _____
PZ-5B	<u>10.97</u>	ft	Comments _____
PZ-5C	<u>10.56</u>	ft	Comments _____
PZ-5D	<u>11.38</u>	ft	Comments _____
PW-6	<u>17.56</u>	ft	Comments _____
PZ-6A	<u>11.8</u>	ft	Comments _____
PZ-6B	<u>11.66</u>	ft	Comments _____
PZ-6C	<u>11.94</u>	ft	Comments _____
PZ-6D	<u>11.6</u>	ft	Comments _____
PW-7	<u>19.55</u>	ft	Comments _____
MPI6S	<u>11.3</u>	ft	Comments _____
PZ-7B	<u>12.14</u>	ft	Comments _____
OCW	<u>11.65</u>	ft	Comments _____
PZ-7D	<u>11.6</u>	ft	Comments _____
PW-8	<u>20.74</u>	ft	Comments _____
PZ-8A	<u>8.56</u>	ft	Comments _____
PZ-8B	<u>8.45</u>	ft	Comments _____
PZ-8C	<u>8.05</u>	ft	Comments _____
PZ-8D	<u>8.26</u>	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 7/11/05 9:00

Inspection personnel RC Becken

Other personnel on site \_\_\_\_\_

Weather Conditions sunny 73 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	<u>7</u>	ft
PW-2	ON	(OFF)	<u>7</u>	ft
PW-3	ON	(OFF)	<u>6</u>	ft
PW-4	(ON)	OFF	<u>5</u>	ft
PW-5	(ON)	OFF	<u>8</u>	ft
PW-6	(ON)	OFF	<u>8</u>	ft
PW-7	(ON)	OFF	<u>7</u>	ft
PW-8	ON	(OFF)	<u>5</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 38.64 gpm

Influent Totalizer Reading 1725354 gallons

Sequestering agent drum level 10 in.

Amount of sequestering agent remaining ~10 gallons

Sequestering agent feed rate 5 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 20 psi

Bag filter bottom pressure 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      \_\_\_\_\_ 0.3 inches H<sub>2</sub>O

Air stripper r Pressure      \_\_\_\_\_ 20 inches H<sub>2</sub>O

Effluent feed pump in use      (#1)      #2

Effluent feed pump pressure      \_\_\_\_\_ 12 psi

Effluent flow rate      \_\_\_\_\_ ~90 gpm

Effluent Totalizer reading      \_\_\_\_\_ 12687814 gallons

Are building heaters in use?    YES    (NO)

Ambient air temperature      \_\_\_\_\_ 73 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: \_\_\_\_\_

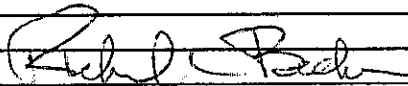
Found effluent water meter not functioning , removed meter from water line and cleaned it , there was some scale which had been pumped from the stripper tray jamming up the impeller of the water meter. Operating as designed now.

Checked the three manholes on the effluent water line running north from the site along Whaley Avenue, found all of them to be full of water, no schein or odor.

Describe any other system maintenance performed

Changed filter.

Signature



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

Date/Time 7/18/05 8:45

Inspection personnel RC Becken

Other personnel on site Jim Mayes

Weather Conditions overcast 79 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	<u>6</u>	ft
PW-2	ON	(OFF)	<u>5</u>	ft
PW-3	ON	(OFF)	<u>6</u>	ft
PW-4	(ON)	OFF	<u>7</u>	ft
PW-5	(ON)	OFF	<u>8</u>	ft
PW-6	(ON)	OFF	<u>8</u>	ft
PW-7	(ON)	OFF	<u>7</u>	ft
PW-8	ON	(OFF)	<u>5</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 36.9 gpm

Influent Totalizer Reading 2218735 gallons

Sequestering agent drum level 4 in.

Amount of sequestering agent remaining ~5 gallons

Sequestering agent feed rate 5 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 15 psi

Bag filter bottom pressure 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 inches H<sub>2</sub>O

Air stripper r Pressure \_\_\_\_\_ 20 inches H<sub>2</sub>O

Effluent feed pump in use      (#1)      #2

Effluent feed pump pressure \_\_\_\_\_ 12 psi

Effluent flow rate      \_\_\_\_\_ ~90 gpm

Effluent Totalizer reading      \_\_\_\_\_ 12965867 gallons

Are building heaters in use?    YES    (NO)

Ambient air temperature      \_\_\_\_\_ 84 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 site:

10" vacuum

air pressure at compressor was 95 psi

Bank 2 air on SP-5 0 air flow

SP-6 2.5 air flow

SP-7 2.5 air flow

SP-8 2 air flow

Describe any other system maintenance performed

Changed filter

Changed pump in PW-5 well appeared to have a consistently higher than normal water level reading, pump was coated with iron deposits.

Signature *Richard Becker*

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

Date/Time 7/25/05 9:00

Inspection personnel RC Becken

Other personnel on site \_\_\_\_\_

Weather Conditions 79 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	<u>9</u>	ft
PW-2	ON	(OFF)	<u>5</u>	ft
PW-3	ON	(OFF)	<u>6</u>	ft
PW-4	(ON)	OFF	<u>6</u>	ft
PW-5	(ON)	OFF	<u>6</u>	ft
PW-6	(ON)	OFF	<u>8</u>	ft
PW-7	(ON)	OFF	<u>7</u>	ft
PW-8	ON	(OFF)	<u>7</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 63.41 gpm

Influent Totalizer Reading 2225706 gallons

Sequestering agent drum level 15 in.

Amount of sequestering agent remaining 20 gallons

Sequestering agent feed rate 2 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 22 psi

Bag filter bottom pressure 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 inches H<sub>2</sub>O

Air stripper r Pressure \_\_\_\_\_ 17 inches H<sub>2</sub>O

Effluent feed pump in use      #1      (#2)

Effluent feed pump pressure \_\_\_\_\_ 10 psi

Effluent flow rate      \_\_\_\_\_ ~90 gpm

Effluent Totalizer reading      \_\_\_\_\_ 12969536 gallons

Are building heaters in use?    YES    (NO)

Ambient air temperature      \_\_\_\_\_ 75 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.)*

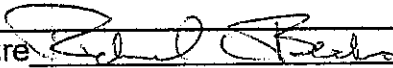
Mr. C's Dry Cleaners Site  
NYSDEC Site #9-15-157  
System Inspection Form

Other observations: \_\_\_\_\_

I thought we used more sequestering agent than what we should have so I changed the feed rate to ~2 ml per min. I will keep a close eye on the flow rates to make sure tit does not increase.

Describe any other system maintenance performed  
Changed filters, will order more filters.

Agway site:  
10 inches of vacuum  
Bank 1 2.5 - 3.0 SCFM air flow on all wells  
Bank 2 off  
air pressure 40 psi and compressor operating

Signature  \_\_\_\_\_



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

Date/Time 8/01/05 8:55

Inspection personnel RC Becken

Other personnel on site J.Mayes D. Carrier

Weather Conditions sunny, clear 78 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	<u>5</u>	ft
PW-2	ON	(OFF)	<u>5</u>	ft
PW-3	ON	(OFF)	<u>7</u>	ft
PW-4	ON	(OFF)	<u>4</u>	ft
PW-5	ON	(OFF)	<u>6</u>	ft
PW-6	(ON)	OFF	<u>8</u>	ft
PW-7	(ON)	OFF	<u>5</u>	ft
PW-8	(ON)	OFF	<u>8</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 35.01 gpm

Influent Totalizer Reading 2670374 gallons

Sequestering agent drum level 11 in.

Amount of sequestering agent remaining ~15 gallons

Sequestering agent feed rate 2 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 22 18 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<sub>2</sub>O

Air stripper r Pressure      \_\_\_\_\_ 19 inches H<sub>2</sub>O

Effluent feed pump in use      #1      (#2)

Effluent feed pump pressure      \_\_\_\_\_ 7 psi

Effluent flow rate      \_\_\_\_\_ ~90 gpm

Effluent Totalizer reading      \_\_\_\_\_ 13226051 gallons

Are building heaters in use?      YES      (NO)

Ambient air temperature      \_\_\_\_\_ 77 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	influent	1:45	7.81	5.57	59.7
Air stripper effluent	effluent	1:55	8.01	3.18	62.6
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

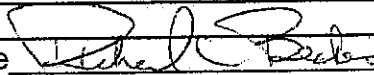
Other observations: \_\_\_\_\_

Agway System 10" vacuum  
120 psi at compressor  
Bank 1 off  
Bank 2 on SP-5 and SP-8 no air flow  
SP-6 and SP-7 2.5-3.0 SCFM air flow

Describe any other system maintenance performed

Changed filter influent flow increased to 74.24 gpm  
Installed new duct work to replace what had melted early in July  
Installed high low temperature alarms for building tied into the auto dailer, changed  
autodailer now it will say what alarm is active instead of saying a channel and then  
checking the list to see what channel corresponds to what alarm.

Signature



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

Date 8/1/2005

Measurements taken by RC Becken

PW-5	<u>18.57</u>	ft	Comments _____
PZ-5A	<u>11.06</u>	ft	Comments _____
PZ-5B	<u>11.03</u>	ft	Comments _____
PZ-5C	<u>10.89</u>	ft	Comments _____
PZ-5D	<u>11.47</u>	ft	Comments _____
PW-6	<u>17.97</u>	ft	Comments _____
PZ-6A	<u>11.82</u>	ft	Comments _____
PZ-6B	<u>11.69</u>	ft	Comments _____
PZ-6C	<u>12.01</u>	ft	Comments _____
PZ-6D	<u>11.71</u>	ft	Comments _____
PW-7	<u>20.06</u>	ft	Comments _____
MPI6S	<u>11.29</u>	ft	Comments _____
PZ-7B	<u>12.09</u>	ft	Comments _____
OCW	<u>11.63</u>	ft	Comments _____
PZ-7D	<u>11.63</u>	ft	Comments _____
PW-8	<u>19.96</u>	ft	Comments _____
PZ-8A	<u>8.52</u>	ft	Comments _____
PZ-8B	<u>8.43</u>	ft	Comments _____
PZ-8C	<u>7.99</u>	ft	Comments _____
PZ-8D	<u>8.25</u>	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

**Attachment B**  
**Selected pages from**  
**Severn-Trent Laboratory**  
**Analytical Data Package #A05-6985**

1/29

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#: A05-6985

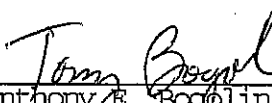
STL Project#: NY5A9393.3

Site Name: Ecology and Environment NYSDEC Standby

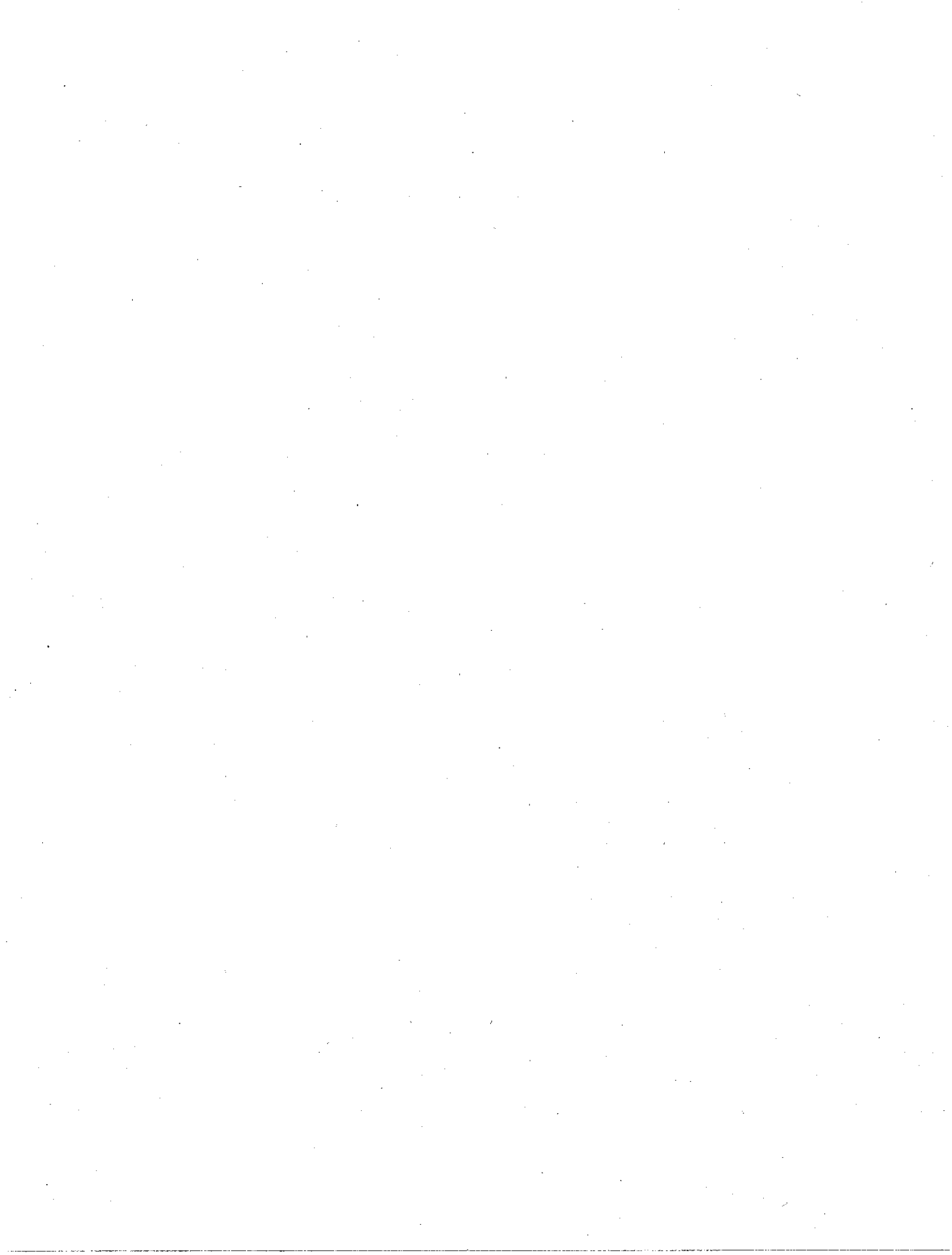
Task: Mr. C's Site-000699.NY06

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

STL Buffalo

  
\_\_\_\_\_  
Anthony E. Bogolin  
Project Manager

07/28/2005



## STL Buffalo Current Certifications

<b>STATE</b>	<b>Program</b>	<b>Cert # / Lab ID</b>
<b>Arkansas</b>	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
<b>California</b>	NELAP SDWA, CWA, RCRA	01169CA
<b>Connecticut</b>	SDWA, CWA, RCRA, SOIL	PH-0568
<b>Florida</b>	NELAP RCRA	E87672
<b>Georgia</b>	SDWA	956
<b>Illinois</b>	NELAP SDWA, CWA, RCRA	200003
<b>Iowa</b>	SW/CS	374
<b>Kansas</b>	NELAP SDWA, CWA, RCRA	E-10187
<b>Kentucky</b>	SDWA	90029
<b>Kentucky UST</b>	UST	30
<b>Louisiana</b>	NELAP CWA, RCRA	2031
<b>Maine</b>	SDWA, CWA	NY044
<b>Maryland</b>	SDWA	294
<b>Massachusetts</b>	SDWA, CWA	M-NY044
<b>Michigan</b>	SDWA	9937
<b>Minnesota</b>	CWA, RCRA	036-999-337
<b>New Hampshire</b>	NELAP SDWA, CWA	233701
<b>New Jersey</b>	SDWA, CWA, RCRA, CLP	NY455
<b>New York</b>	NELAP, AIR, SDWA, CWA, RCRA	10026
<b>North Carolina</b>	CWA	411
<b>North Dakota</b>	SDWA, CWA, RCRA	R-176
<b>Oklahoma</b>	CWA, RCRA	9421
<b>Pennsylvania</b>	Env. Lab Reg.	68-281
<b>South Carolina</b>	RCRA	91013
<b>USDA</b>	FOREIGN SOIL PERMIT	S-41579
<b>Virginia</b>	SDWA	278
<b>Washington</b>	CWA	C254
<b>West Virginia</b>	CWA	252
<b>Wisconsin</b>	CWA	998310390



## SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A5698501	Effluent	WATER	07/06/2005	12:45	07/06/2005	14:15
A5698503	Effluent Creek	WATER	07/06/2005	13:40	07/06/2005	14:15
A5698502	Influent	WATER	07/06/2005	13:00	07/06/2005	14:15
A5698504	Rydline Drum	WATER	07/06/2005	13:10	07/06/2005	14:15

## METHODS SUMMARY

Job#: A05-6985STL Project#: NY5A9393.3Site Name: Ecology and Environment NYSDEC Standby

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A05-6985STL Project#: NY5A9393.3Site Name: Ecology and Environment NYSDEC StandbyGeneral Comments

The enclosed data 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

A05-6985

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.

\*\*\*\*\*

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.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
Effluent	A5698501	Total Hardness	4.00	008
Influent	A5698502	8260	50.00	008
Influent	A5698502	Total Hardness	4.00	008
Influent	A5698502MS	Total Hardness	4.00	008
Effluent Creek	A5698503	Total Hardness	10.00	010

---

**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

## DATA COMMENT PAGE

### ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected at or above the reporting limit.
- 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 a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. 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 at or above the reporting limit.
- 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.
- K Indicates the post digestion spike recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- M Indicates duplicate injection results exceeded quality control limits.
- W Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
- 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 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: A5698501  
Date Collected: 07/06/2005  
Time Collected: 12:45Date Received: 07/06/2005  
Project No: NY5A9393.3  
Client No: 397714  
Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS-SW8463 8260 - TCL VOLATILES - 25 ML								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,1-Dichloroethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,1-Dichloroethene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,2-Dibromoethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,2-Dichloroethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,2-Dichloropropane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
2-Butanone	ND		5.0	UG/L	8260	07/14/2005	08:18	CDC
2-Hexanone	ND		5.0	UG/L	8260	07/14/2005	08:18	CDC
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	07/14/2005	08:18	CDC
Acetone	4.6	J	5.0	UG/L	8260	07/14/2005	08:18	CDC
Benzene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Bromodichloromethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Bromoform	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Bromomethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Carbon Disulfide	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Carbon Tetrachloride	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Chlorobenzene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Chloroethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Chloroform	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Chloromethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Cyclohexane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Dibromochloromethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Dichlorodifluoromethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Ethylbenzene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Isopropylbenzene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Methyl acetate	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Methylcyclohexane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Methylene chloride	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Styrene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Tetrachloroethene	0.91	J	1.0	UG/L	8260	07/14/2005	08:18	CDC
Toluene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Total Xylenes	ND		3.0	UG/L	8260	07/14/2005	08:18	CDC
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Trichloroethene	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Trichlorofluoromethane	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC
Vinyl chloride	ND		1.0	UG/L	8260	07/14/2005	08:18	CDC

Date: 07/28/2005  
Time: 09:25:01

Ecology and Environment NYSDEC Standby  
Mr. C's Site-000699.NY06

9/29 Page: 2  
Rept: AN1178

Sample ID: Effluent  
Lab Sample ID: A5698501  
Date Collected: 07/06/2005  
Time Collected: 12:45

Date Received: 07/06/2005  
Project No: NY5A9393.3  
Client No: 397714  
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Wet Chemistry Analysis								
pH	8.10		0	S.U.	150.1	07/06/2005	18:40	SM
Total Hardness	463		8.0	MG/L	130.2	07/07/2005	13:56	LRM

Sample ID: Effluent Creek

Lab Sample ID: A5698503

Date Collected: 07/06/2005

Time Collected: 13:40

Date Received: 07/06/2005

Project No: NY5A9393.3

Client No: 397714

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS-SW8463 8260 - TCL VOLATILES - 25 ML								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,1-Dichloroethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,1-Dichloroethene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,2-Dibromoethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,2-Dichloroethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,2-Dichloropropane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
2-Butanone	ND		5.0	UG/L	8260	07/14/2005	13:16	JMB
2-Hexanone	ND		5.0	UG/L	8260	07/14/2005	13:16	JMB
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	07/14/2005	13:16	JMB
Acetone	4.7	J	5.0	UG/L	8260	07/14/2005	13:16	JMB
Benzene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Bromodichloromethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Bromoform	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Bromomethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Carbon Disulfide	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Carbon Tetrachloride	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Chlorobenzene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Chloroethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Chloroform	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Chloromethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Cyclohexane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Dibromochloromethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Dichlorodifluoromethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Ethylbenzene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Isopropylbenzene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Methyl acetate	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Methylcyclohexane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Methylene chloride	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Styrene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Tetrachloroethene	3.3		1.0	UG/L	8260	07/14/2005	13:16	JMB
Toluene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Total Xylenes	ND		3.0	UG/L	8260	07/14/2005	13:16	JMB
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Trichloroethene	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Trichlorofluoromethane	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB
Vinyl chloride	ND		1.0	UG/L	8260	07/14/2005	13:16	JMB



Date: 07/28/2005  
Time: 09:25:01

Ecology and Environment NYSDEC Standby  
Mr. C's Site-000699.NY06

11/29 Page: 4  
Rept: AN1178

Sample ID: Effluent Creek  
Lab Sample ID: A5698503  
Date Collected: 07/06/2005  
Time Collected: 13:40

Date Received: 07/06/2005  
Project No: NY5A9393.3  
Client No: 397714  
Site No:

Parameter	Result	Flag	Detection	Units	Method	Date/Time		Analyst
			Limit			Analyzed		
Wet Chemistry Analysis								
pH	8.11		0	S.U.	150.1	07/06/2005	18:40	SM
Total Hardness	481		20.0	MG/L	130.2	07/07/2005	13:56	LRM

Sample ID: Influent  
Lab Sample ID: A5698502  
Date Collected: 07/06/2005  
Time Collected: 13:00

Date Received: 07/06/2005  
Project No: NY5A9393.3  
Client No: 397714  
Site No:

Parameter	Result	Flag	Detection		Date/Time		Analyst
			Limit	Units	Method	Analyzed	
AQUEOUS-SW8463 8260 - TCL VOLATILES - 25 ML							
1,1,1-Trichloroethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,1,2,2-Tetrachloroethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,1,2-Trichloroethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,1-Dichloroethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,1-Dichloroethene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,2,4-Trichlorobenzene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,2-Dibromo-3-chloropropane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,2-Dibromoethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,2-Dichlorobenzene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,2-Dichloroethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,2-Dichloropropane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,3-Dichlorobenzene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
1,4-Dichlorobenzene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
2-Butanone	ND		250	UG/L	8260	07/14/2005 08:50	CDC
2-Hexanone	ND		250	UG/L	8260	07/14/2005 08:50	CDC
4-Methyl-2-pentanone	ND		250	UG/L	8260	07/14/2005 08:50	CDC
Acetone	ND		250	UG/L	8260	07/14/2005 08:50	CDC
Benzene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Bromodichloromethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Bromoform	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Bromomethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Carbon Disulfide	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Carbon Tetrachloride	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Chlorobenzene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Chloroethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Chloroform	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Chloromethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
cis-1,2-Dichloroethene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
cis-1,3-Dichloropropene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Cyclohexane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Dibromochloromethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Dichlorodifluoromethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Ethylbenzene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Isopropylbenzene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Methyl acetate	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Methyl-t-Butyl Ether (MTBE)	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Methylcyclohexane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Methylene chloride	37	J	50	UG/L	8260	07/14/2005 08:50	CDC
Styrene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Tetrachloroethene	1500		50	UG/L	8260	07/14/2005 08:50	CDC
Toluene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Total Xylenes	ND		150	UG/L	8260	07/14/2005 08:50	CDC
trans-1,2-Dichloroethene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
trans-1,3-Dichloropropene	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Trichloroethene	38	J	50	UG/L	8260	07/14/2005 08:50	CDC
Trichlorofluoromethane	ND		50	UG/L	8260	07/14/2005 08:50	CDC
Vinyl chloride	ND		50	UG/L	8260	07/14/2005 08:50	CDC

Date: 07/28/2005

Time: 09:25:01

Ecology and Environment NYSDEC Standby  
Mr. C's Site-000699.NY06

13/29 Page: 6  
Rept: AN1178

Sample ID: Influent  
Lab Sample ID: A5698502  
Date Collected: 07/06/2005  
Time Collected: 13:00

Date Received: 07/06/2005  
Project No: NY5A9393.3  
Client No: 397714  
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Wet Chemistry Analysis								
pH	7.63		0	S.U.	150.1	07/06/2005	18:40	SM
Total Hardness	443		8.0	MG/L	130.2	07/07/2005	13:56	LRM

Date: 07/28/2005  
Time: 09:25:01

Ecology and Environment NYSDEC Standby  
Mr. C's Site-000699.NY06

14/29 Page: 7  
Rept: AN1178

Sample ID: Rydline Drum  
Lab Sample ID: A5698504  
Date Collected: 07/06/2005  
Time Collected: 13:10

Date Received: 07/06/2005  
Project No: NY5A9393.3  
Client No: 397714  
Site No:

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Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
pH	1.21		0	s.U.	150.1	07/06/2005 18:40	SM

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## Batch Quality Control Data

Date: 07/28/2005 09:26:41  
Batch No: A5B10200

Rept: AN1392

MS/MSD Batch QC Results

Lab Sample ID: A5698502 A5698502MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	Mg/L	110.7	195.8	100.0	85	74-130

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

Chronology and QC  
Summary Package

Client ID Job No Sample Date	Lab ID	VBLK35 A05-6985	A5B1063302	VBLK36 A05-6985	A5B1068202	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	
Acetone	UG/L	ND	5.0	ND	5.0	NA	5.0	NA	5.0	NA	
Benzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Bromodichloromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Bromoform	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Bromomethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
2-Butanone	UG/L	ND	5.0	ND	5.0	NA	5.0	NA	5.0	NA	
Carbon Disulfide	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Carbon Tetrachloride	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Chlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Chloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Chloroform	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Chloromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Cyclohexane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,2-Dibromoethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Dibromochloromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,3-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,4-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Dichlorodifluoromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,1-Dichloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,2-Dichloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,1-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,2-Dichloropropane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Ethylbenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
2-Hexanone	UG/L	ND	5.0	ND	5.0	NA	5.0	NA	5.0	NA	
Isopropylbenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Methyl acetate	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Methylcyclohexane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Methylene chloride	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	ND	5.0	NA	5.0	NA	5.0	NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Styrene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Tetrachloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
Toluene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,2,4-Trichlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	



Date: 07/28/2005  
Time: 09:25:09

Ecology and Environment NYSDEC Standby  
Mr. C's Site-000699.NY06  
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN1247

Client ID	Lab ID	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Job No	VBLK35 A05-6985			A5B1063302	VBLK36 A05-6985	A5B1068202		
Sample Date								
Analyte	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	ND	1.0	ND	1.0	NA	1.0	NA	1.0
Trichlorofluoromethane	ND	1.0	ND	1.0	NA	1.0	NA	1.0
Trichloroethene	ND	1.0	ND	1.0	NA	1.0	NA	1.0
Vinyl chloride	ND	1.0	ND	1.0	NA	1.0	NA	1.0
Total Xylenes	ND	3.0	ND	3.0	NA	3.0	NA	3.0
IS/SURROGATE(S)								
Chlorobenzene-D5	91	50-200	94	50-200	NA	50-200	NA	50-200
1,4-Difluorobenzene	95	50-200	90	50-200	NA	50-200	NA	50-200
1,4-Dichlorobenzene-D4	82	50-200	95	50-200	NA	50-200	NA	50-200
Toluene-D8	91	76-116	89	76-116	NA	76-116	NA	76-116
p-Bromofluorobenzene	84	73-117	90	73-117	NA	73-117	NA	73-117
1,2-Dichloroethane-D4	90	72-143	90	72-143	NA	72-143	NA	72-143

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Date: 07/28/2005  
 Time: 09:25:19

Ecology and Environment NYSDEC Standby  
 Mr. C's Site-000699.NY06  
 WET CHEMISTRY ANALYSIS

Rept: AM1247

Client ID Job No Sample Date	Lab ID	Method Blank A05-6985	A581020002	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
				ND	2.0	NA		NA	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Hardness	MG/L								

Client sample ID: VBLK35 MSB35  
 Lab sample ID: A5B1063302 A5B1063301

Analyte	Units of Measure	Blank spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	11.6	10.0	116	66-142
Trichloroethene	UG/L	11.5	10.0	116	72-120
Benzene	UG/L	11.4	10.0	115	71-120
Toluene	UG/L	10.7	10.0	108	69-120
Chlorobenzene	UG/L	10.4	10.0	105	73-120

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

Client Sample ID: VBLK36 MSB36  
 Lab Sample ID: A5B7068202 A5B7068201

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	10.1	10.0	102	66-142
Trichloroethene	UG/L	10.3	10.0	103	72-120
Benzene	UG/L	10.2	10.0	103	71-120
Toluene	UG/L	9.35	10.0	94	69-120
Chlorobenzene	UG/L	8.98	10.0	90	73-120

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

Client Sample ID: Influent  
 Lab Sample ID: A5698502

Influent  
 A5698502MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix spike			
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	MG/L	110.7	195.8	100.0	85	74-130

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

Client Sample ID: Method Blank LCS  
 Lab Sample ID: A5B1020002 A5B1020001

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	MG/L	198.0	200.0	99	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 A05-6985 A5698501	Effluent Creek A05-6985 A5698503	Effluent A05-6985 A5698502
Sample Date	07/06/2005 12:45	07/06/2005 13:40	07/06/2005 13:00
Received Date	07/06/2005 14:15	07/06/2005 14:15	07/06/2005 14:15
Extraction Date	07/14/2005 08:18	07/14/2005 13:16	07/14/2005 08:50
Analysis Date	YES	YES	YES
Extraction HT Met?	WATER	WATER	WATER
Analytical HT Met?	1.0	1.0	50.0
Sample Matrix	0.025 LITERS	0.025 LITERS	0.025 LITERS
Dilution Factor			
Sample wt/vol			
% Dry			

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID	VBLK35	VBLK36		
Job No & Lab Sample ID	A05-6985 A5B106330Z	A05-6985 A5B106820Z		
Sample Date	07/14/2005 00:46	07/14/2005 12:35		
Received Date	-	-		
Extraction Date	-	-		
Analysis Date	-	-		
Extraction HT Met?	-	-		
Analytical HT Met?	-	-		
Sample Matrix	WATER	WATER		
Dilution Factor	1.0	1.0		
Sample wt/vol	0.025 LITERS	0.025 LITERS		
% Dry				



Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	T H	Analysis Date	ANL A INI H	Matrix
A5698501	Effluent	RECNY	pH	150.1	1.0		07/06/05 12:45	07/06 14:15	NA		07/06 18:40	SM	Y WATER
A5698503	Effluent Creek	RECNY	Total Hardness	130.2	4.0		07/06/05 12:45	07/06 14:15	NA		07/07 13:56	LRM	Y WATER
A5698502	Influent	RECNY	pH	150.1	1.0		07/06/05 13:40	07/06 14:15	NA		07/06 18:40	SM	Y WATER
A5698504	Rydline Drum	RECNY	Total Hardness	130.2	10.0		07/06/05 13:40	07/06 14:15	NA		07/07 13:56	LRM	Y WATER
		RECNY	pH	150.1	1.0		07/06/05 13:00	07/06 14:15	NA		07/06 18:40	SM	Y WATER
		RECNY	Total Hardness	130.2	4.0		07/06/05 13:00	07/06 14:15	NA		07/07 13:56	LRM	Y WATER
		RECNY	pH	150.1	1.0		07/06/05 13:10	07/06 14:15	NA		07/06 18:40	SM	Y WATER

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Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	T	Analysis Date	ANL A	Matrix
A5B1020002	Method Blank	RECNY	Total Hardness	130.2	1.0	-	-	-	NA	H	07/07 13:56	LRM	Y WATER

AH = Analysis Holding Time Met  
 TH = TCLP Holding Time Met  
 NA = Not Applicable  
 ANL INI = Analyst Initials  
 DF = Dilution Factor

STL-4124 (09/01)

Client: **Ecology + Environment Inc**  
 Address: **368 Pleasant Views Dr., Lancaster, NY 14086**  
 Project Manager: **M. Steffan**  
 Telephone Number (Area Code)/Fax Number: **716 684-8060 / 716 684-0844**  
 Date: **7/6/05**  
 Chain of Custody Number: **210221**  
 Lab Number: **1** of **1**

Site Contact: **Hand Delivered**  
 Carrier/Waybill Number: **Hand Delivered**

Sample I.D. No. and Description (Containers for each sample may be combined on one line):

Sample I.D. No. and Description	Date	Time	Matrix						Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt						
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH										
<b>100 Aqueous</b>	<b>7/6/05</b>	<b>102</b>	<b>X</b>					<b>1</b>	<b>1</b>	<b>3</b>					<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>TCV 06.8260</b>		
<b>EFFluent</b>	<b>u</b>	<b>1245</b>	<b>X</b>					<b>1</b>	<b>1</b>	<b>3</b>					<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>3</b>			
<b>Effluent Creek</b>	<b>4</b>	<b>140</b>	<b>X</b>					<b>1</b>	<b>1</b>	<b>3</b>					<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>3</b>			
<b>Redline Drum</b>	<b>7/6/05</b>	<b>119</b>	<b>Y</b>					<b>1</b>							<b>1</b>							

Possible Hazard Identification:  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  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 \_\_\_\_\_

Relinquished By: **John D C Bels** Date: **7/6/05** Time: **1415**  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **6.0c**

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

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

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

**NYSDEC Work Assignment #27.5**

**12 Months of System Operation and Maintenance**

**July 2005 Report**

**Gas and Electric**

Utility Provider	Account #	E&E Cost Center	Description	October '04	November	December	January '05	February	March '05	April '05	May '05	Utility Budget:	Electric:	Telephone:	Gas	Total:	Ave. /Month
New York State E&G	06-311-11-002	000699.NY06.05	Mr. C's Electric Costs	\$ 1,016.84	\$ 1,531.47	\$ 1,681.89	\$ 1,863.21	\$ 1,835.14	\$ 2,002.24	\$ 1,619.14	\$ 1,538.09	\$24,024.00					
	76-311-11-01	5900-1B	Agway Site - Electric				\$ 392.23										
National Fuel Gas	5819628-05	000699.NY06.05	Mr. C's Natural Gas Costs	\$ -	\$ -	\$ -	\$ 1,902.44	\$ 481.04	\$ 184.90	\$ 300.38	\$ 94.77						
			Totals	\$ 1,016.84	\$ 1,531.47	\$ 1,681.89	\$ 1,902.44	\$ 2,316.18	\$ 2,187.14	\$ 1,919.52	\$ 1,632.86						
			Mr. C's Electric Costs	\$ 111.38	\$ 1,355.04	\$ 1,793.04											\$ 1,486.13
			Agway Electric		\$ 94.84	\$ 388.17											\$ 47.42
			Mr. C's Natural Gas Costs	\$ -	\$ -												\$ 220.06
			Totals	\$ 111.38	\$ 1,449.88	\$ 2,161.21	\$ -	\$ -	\$ -	\$ -	\$ -						\$ 1,753.62

Phone	Phone #	E&E Cost Center	Location Description	October '04	November	December	January '05	February '05	March '05	April '05	May '05	Ave. /Month
Verizon	716-652-0094	000699.NY06.05	Mr. C's Telephone Costs	\$ 39.56	\$ 38.76	\$ 39.10	\$ 39.08	\$ 38.66	\$ 38.89	\$ 38.64	\$ 38.97	
			Totals	\$ 39.56	\$ 38.76	\$ 39.10	\$ 39.08	\$ 38.66	\$ 38.89	\$ 38.64	\$ 38.97	

**Grand Total - NYSE&G/National Fuel Gas Costs To Date \$ 17,447.80**

**Grand Total - Verizon Costs to Date \$ 274.54**

**Grand Total All Utilities To Date \$ 17,722.34**

\*\*\*\*This includes initial connection fees for the phone company of approximately \$180.

