



# ecology and environment engineering, p.c.

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BUFFALO CORPORATE CENTER  
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Tel: 716/684-8060, Fax: 716/684-0844

October 9, 2006

Mr. William Welling PE, Project Manager  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway, 12th Floor  
Albany, New York 12233 - 7013

Re: Mr. C's Dry Cleaners Site, Contract # D004442-DC02, Site # 9-15-157  
September 2006 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEEPC) is pleased to provide the September 2006 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 provided from EEEPC's subcontractor O&M Enterprises, Inc. (OMEI) are provided in Attachment A. Selected pages from the individual analytical data packages prepared by Severn - Trent Laboratories (STL) is provided as Attachment B. The full analytical report along with QA/QC information will be retained by EEEPC. All analytical results for the report were analyzed at the lowest detection limits in accordance with the standard method. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for September 2006, EEEPC offers the following comments and highlights:

## Operational Summary

### Mr. C's Site – Remedial Operations Information

- The treatment system was operational for 99.3% of the period between 8/28/06 and 10/2/06. 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 September 2006 indicate that approximately 1,107,730 gallons of groundwater were processed through the treatment system for the period 8/28/06 and 10/2/06. 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 inspections on 8/28/06, 9/5/06, 9/11/06, 9/18/06, 9/25/06, and 10/2/06.

- A non-routine shutdown occurred on Friday, 9/15/06 due to a high level alarm in the equalization tank. OMEI responded the same day to inspect and evaluate the alarm condition. The treatment system was reset and no further variations in system operations were observed.
- Checklists for weekly system inspections from OMEI are provided as Attachment A for 8/28/06, 9/5/06, 9/11/06, 9/18/06, 9/25/06, and 10/2/06. Weekly system checks indicated that the air stripper differential pressure remained constant between 3 – 3.5 inches of water with air stripper pressure at 16-18 inches of water during the month of September 2006.
- The feed rate for the sequestering agent continues to be at 3.0 ml/min based on reduced inflow requirements to the system and visual observation of mineral deposits on the stripping trays. The further adjustment in feed rate will be evaluated during the following month.
- Contact stripper trays were pressure washed of mineral deposits on September 18, 2006.
- The Redux representative was on site on September 18, 2006 to review sequestering system and chemical feed. Amount of chemical feed was checked and acceptable to the guidance in the WTC.
- Installed new curb box on the monitoring well at the southwest corner of the Mr. C's Dry Cleaning building.
- On October 2, 2006, OMEI reported after inspection that the pump on well PW-6 had failed (Library parking lot). In review of the replacement pump inventory, no further spare pumps remained in the building. EEEPC called the Grunfos New York area supplier for replacement. The manufacturer currently has the pump on back order with stock expected to be shipped to EEEPC by October 13, 2006. The pump will be installed as a part of weekly maintenance service to be performed on October 16, 2006. Two additional backup groundwater pumps will be purchased to reduce the return to service response time.

#### **Agway Site Remedial Information**

- OMEI continues to review the system operations on a weekly basis. In September the air sparge system was out of service due to a bad air compressor motor for the air sparge system. The motor was repaired and placed back in service on September 18, 2006.
- OMEI provided drilling costs regarding the Agway air sparge points to EEEPC on September 25, 2006. Installation of new air sparge points and removal of the existing blocked points is expected to cost approximately \$5,000 plus the addition of the transportation and disposal of the decommissioned air sparge point casings and drill cuttings. Drilling and AS point re-installation is expected to be performed in October 2006 after discussions and acceptance with the NYSDEC project manager.
- A copy of the site utility costs from the Mr. C's and Agway remedial operations from December 2004 to September 2006 are provided as Attachment C.

Mr. William Welling PE, Project Manager

October 9, 2006

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**Analytical Summary – Groundwater**

- EEEPC and OMEI personnel collected samples of influent and effluent groundwater for the reporting period 8/28/06 to 10/2/06 on September 5, 2006 as part of the weekly O&M services. Overall cleanup efficiency for the September 2006 reporting period was 99.79%. The summary of analytical results for the September 5, 2006 sampling event is presented in Table 3.
- The September 2006 monthly analytical results indicate that the treated groundwater effluent remains below the site specific Effluent Discharge Limitation Requirements for all compounds. Table 4.
- Approximately 12.77 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  $\mu\text{g/L}$  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 September 2006 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- 002700.DC02.02

**Attachment A**  
**OMEI Weekly Inspection Reports**  
**September 2006**

**Including:**

**8/28/06**

**9/5/06**

**9/11/06**

**9/18/06**

**9/25/06**

**10/2/06**

**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%
<b>Totals Page 1</b>	<b>25037.5</b>	<b>93.80%</b>

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

Month	Reporting Hours	Operational Up-time
<b>Totals forward from Page 1 (8/29/05)</b>	<b>25037.5</b>	<b>93.80%</b>
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%
January 3, 2006 - February 6, 2006	816	100.00%
February 6, 2006 - March 6, 2006	696	100.00%
March 6, 2006 - April 3, 2006	696	100.00%
April 3, 2006 - May 1, 2006	689	98.99%
May 1, 2006 - May 30, 2006	689	98.99%
May 31, 2006 - July 3, 2006	812	99.50%
July 3, 2006 - July 30, 2006	624	99.50%
July 30, 2006 - August 28, 2006	696	100.00%
August 28, 2006 - October 2, 2006	834	99.30%

Average Operational Up-time = **99.00%**

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
August 2005 <sup>2</sup>	8/1/05 - 8/29/05	1,443,195
September 2005 <sup>2</sup>	8/29/05 - 10/3/05	1,591,248
October 2005 <sup>2</sup>	10/3/05 - 10/31/05	1,204,074
November 2005 <sup>2</sup>	10/31/05 - 11/28/05	1,038,170
December 2005 <sup>2</sup>	11/28/05 - 1/3/06	1,182,854
January 2006 <sup>2</sup>	1/3/06 - 2/6/06	1,401,821
February 2006 <sup>2</sup>	2/6/06 - 3/6/06	1,927,556
March 2006 <sup>2</sup>	3/6/06 - 4/3/06	1,838,541
April 2006 <sup>2</sup>	4/3/06 - 5/1/06	1,116,192
May 2006 <sup>2</sup>	5/1/06 - 5/30/06	1,053,047
June 2006 <sup>2</sup>	5/30/06 - 7/3/06	1,092,786
July 2006 <sup>2</sup>	7/3/06 - 7/30/06	813,264
August 2006 <sup>2</sup>	7/30/06 - 8/28/06	860,366
September 2006 <sup>2</sup>	8/28/06 - 10/2/06	1,107,730
<b>Total Gallons Treated To Date:</b>		<b>78,625,677</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  
 September 2006 VOC Analytical Summary

Compound	September 5, 2006		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency (%)
Acetone	ND (<100)	ND(<5.0)	NA
Benzene	ND (<20)	ND(<1.0)	NA
2-Butanone	ND (<100)	ND (<5.0)	NA
cis-1, 2-Dichloroethene	ND (<20)	ND(<1.0)	NA
Methylene chloride	45	ND(<1.0)	100%
Methyl tert-butyl ether	ND (<20)	ND(<1.0)	100%
Tetrachloroethene	1300	2.9	99.78%
Toluene	ND (<20)	ND(<1.0)	NA
Trichloroethene	39	ND(<1.0)	100%
Total Xylenes	ND (<60)	ND (<3.0)	NA
<b>September TOTAL (in ug/L) =</b>	<b>1384</b>	<b>2.9</b>	<b>99.79%</b>

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	Units	September 5, 2006 Effluent Analytical Values - Compliance
Flow	216,000	gpd	31,649 gpd <sup>6</sup>
pH	6.0 - 9.0	standard units	8.26
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	2.9
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	µg/L	ND (<1.0)
o-Xylene <sup>7</sup>	5	µg/L	NA <sup>9</sup>
m,p-Xylene <sup>7</sup>	10	µg/L	NA <sup>9</sup>
Total Xylenes	NA	µg/L	ND (<3.0)
Iron, total	600	µg/L	NA <sup>9</sup>
Aluminum	4,000	µg/L	NA <sup>9</sup>
Copper	48	µg/L	NA <sup>9</sup>
Lead	11	µg/L	NA <sup>9</sup>
Manganese	2,000	µg/L	NA <sup>9</sup>
Silver	100	µg/L	NA <sup>9</sup>
Vanadium	28	µg/L	NA <sup>9</sup>
Zinc	230	µg/L	NA <sup>9</sup>
Total Dissolved Solids	850	mg/L	NA <sup>9</sup>
Total Suspended Solids	20	mg/L	NA <sup>9</sup>
Hardness	N/A	mg/l	550
Cyanide Free	10	µg/L	NA <sup>9</sup>

NOTES:

- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents.
- Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
- Shaded cells indicate that analytical value exceeds the "Daily Maximum"
- "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
- "NA" indicates that analyses were not performed and data is unavailable.
- Average flows based on effluent readings taken August 28, 2006 through October 2, 2006. Total gallons: 1,107,730 divided by 35 operating days.
- "J" indicates an estimated value below the detection limit.
- "B" indicates analyte found in the associated blank.
- Removed from the required analysis list by NYSDEC Region 9 in February 2005.

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

Month	Actual Period	Influent VOCs (ug/L)	Effluent VOCs (ug/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
August 2005 <sup>9</sup>	8/1/05 - 8/29/05	1359	51.26	15.70
September 2005 <sup>9</sup>	8/29/05 - 10/3/05	1239	0.47	16.50
October 2005 <sup>9</sup>	10/3/05 - 10/31/05	1454	0.81	14.60
November 2005 <sup>9</sup>	10/31/05 - 11/28/05	2266	6.80	12.77
December 2005	11/28/05 - 1/3/06	1166	1.30	11.50
January 2006	1/3/06 - 2/6/06	1679	11.87	13.62
February 2006	2/6/06 - 3/6/06	1465	90.20	16.56
March 2006	3/6/06 - 4/4/06	1475	2.00	22.43
April 2006	4/4/06 - 5/1/06	1465	8.80	13.56
May 2006	5/1/06 - 5/30/06	1263	0.00	11.07
June 2006	5/30/06 - 7/3/06	1994	1.40	18.17
July 2006	7/3/06 - 7/30/06	2010	1.40	13.64
August 2006	7/30/06 - 8/28/06	1296	8.60	9.24
September 2006	8/28/06 - 10/2/06	1384	2.90	12.77
<b>Total pounds of VOCs removed from inception =</b>				<b>1067.29</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.

**CONVERSIONS:**

1 pound = 453.5924 grams  
 1 gallon = 3.785 liters

**Based on the Analytical Results from September 5, 2006:**

Pounds of VOCs removed calculated by the following formula:  
 $(1384 \text{ ug/L} - 2.9 \text{ ug/L}) * (1 \text{ g}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 1,107,730 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 12.77 \text{ lbs}$

where 1,107,730 gallons is the monthly process water volume.

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

Date/Time 8/28/2006 9:30

Inspection personnel R C Becken

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

Weather Conditions overcast light rain 70 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>5</u>	ft
PW-3	ON	(OFF)	<u>4</u>	ft
PW-4	(ON)	OFF	<u>7</u>	ft
PW-5	(ON)	OFF	<u>4</u>	ft
PW-6	(ON)	OFF	<u>4</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 63.27 gpm

Influent Totalizer Reading 7085309 gallons

Sequestering agent drum level ~30 in.

Amount of sequestering agent remaining ~45 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 10 15 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            \_\_\_\_\_ 24 psi

Air stripper blower in use            (#1)            #2

Air stripper differential pressure            \_\_\_\_\_ 3 inches H<sub>2</sub>O

Air stripper r Pressure            \_\_\_\_\_ 18 inches H<sub>2</sub>O

Effluent feed pump in use            #1            (#2)

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

Effluent flow rate            \_\_\_\_\_ ~115 gpm

Effluent Totalizer reading            \_\_\_\_\_ 27950290 gallons    788640 electron

Are building heaters in use?            YES            (NO)

Ambient air temperature            \_\_\_\_\_ 77.4 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 1 4"

air pressure 0 psi

Bank 1

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

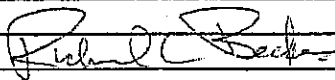
SP-5 0 scfm SP-6 0 scfm SP-7 0 scfm SP-8 0 scfm

Air compressor motor still in the shop waiting for parts.

Describe any other system maintenance performed

Changed filters, pressure washed the stripper trays, installed the new Dwyer Pressure Switch, installed new monitoring well lid on MPI-10S.

Signature



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

Date/Time 9/5/2006 9:00

Inspection personnel R C Becken

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

Weather Conditions overcast 65 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>6</u>	ft
PW-3	ON	(OFF)	<u>6</u>	ft
PW-4	ON	(OFF)	<u>3</u>	ft
PW-5	ON	(OFF)	<u>5</u>	ft
PW-6	ON	(OFF)	<u>7</u>	ft
PW-7	(ON)	OFF	<u>6</u>	ft
PW-8	(ON)	OFF	<u>4</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 77.89 gpm

Influent Totalizer Reading 7520476 gallons

Sequestering agent drum level ~30 in.

Amount of sequestering agent remaining ~40 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 0 10 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          \_\_\_\_\_ 24 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          \_\_\_\_\_ 8 psi

Effluent flow rate          \_\_\_\_\_ ~115 gpm

Effluent Totalizer reading          \_\_\_\_\_ 28208209 gallons          49870 electron

Are building heaters in use?          YES          (NO)

Ambient air temperature          \_\_\_\_\_ 69.2 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			7.09	7.15	59.5
Air stripper effluent			8.02	6.19	61.1
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 1 4" \_\_\_\_\_

air pressure 0 psi \_\_\_\_\_

Bank 1 \_\_\_\_\_

SP-1 0 scfm SP-2 0 scfm SP-3 0 scfm SP-4 0 scfm 40 scfm

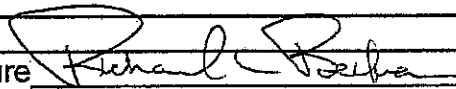
SP-5 0 scfm SP-6 0 scfm SP-7 0 scfm SP-8 0 scfm

Air compressor motor still in the shop waiting for parts.

Describe any other system maintenance performed

Changed filters.

Signature





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

Date/Time 9/11/2006 8:45

Inspection personnel R C Becken

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

Weather Conditions overcast 55 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>6</u>	ft
PW-3	ON	(OFF)	<u>6</u>	ft
PW-4	ON	(OFF)	<u>4</u>	ft
PW-5	(ON)	OFF	<u>5</u>	ft
PW-6	ON	(OFF)	<u>4</u>	ft
PW-7	(ON)	OFF	<u>6</u>	ft
PW-8	ON	(OFF)	<u>7</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 74.86 gpm

Influent Totalizer Reading 7850288 gallons

Sequestering agent drum level ~24 in.

Amount of sequestering agent remaining ~30 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 12 15 psi

Bag filter bottom pressure 0 0 psi

Mr.C inspection

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

Influent feed pump in use (#1) #2

Influent Pump Pressure \_\_\_\_\_ 24 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure \_\_\_\_\_ 3 inches H<sub>2</sub>O

Air stripper r Pressure \_\_\_\_\_ 18 inches H<sub>2</sub>O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure \_\_\_\_\_ 11 psi

Effluent flow rate \_\_\_\_\_ ~110 gpm

Effluent Totalizer reading \_\_\_\_\_ 28403865 gallons 247780 electron

Are building heaters in use? YES (NO)

Ambient air temperature \_\_\_\_\_ 66 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 1 4"

air pressure 0 psi

Bank 1

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

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

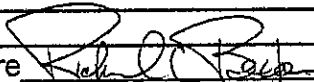
Air compressor motor still in the shop waiting for parts.

Describe any other system maintenance performed

Changed filters.

Checked one sparge well on Agway site to get an approximate depth of the air supply line from the compressor shed to the well, it is approximately two feet deep where it joins the well.

Signature



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

Date/Time 9/18/2006 9:00Inspection personnel R C Becken

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

Weather Conditions sunny 71 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>6</u>	ft
PW-3	(ON)	OFF	<u>6</u>	ft
PW-4	(ON)	OFF	<u>7</u>	ft
PW-5	(ON)	OFF	<u>4</u>	ft
PW-6	ON	(OFF)	<u>5</u>	ft
PW-7	(ON)	OFF	<u>6</u>	ft
PW-8	(ON)	OFF	<u>6</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 91.21 gpmInfluent Totalizer Reading 8231322 gallonsSequestering agent drum level ~12 in.Amount of sequestering agent remaining ~20 gallonsSequestering agent feed rate 3 ml/min.Sequestering agent metering Pump Pressure 1 psiBag filter top pressure 0 10 psiBag 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                      \_\_\_\_\_ 24 psi

Air stripper blower in use                      (#1)                      #2

Air stripper differential pressure                      \_\_\_\_\_ 3 inches H<sub>2</sub>O

Air stripper r Pressure                      \_\_\_\_\_ 18 inches H<sub>2</sub>O

Effluent feed pump in use                      #1                      (#2)

Effluent feed pump pressure                      \_\_\_\_\_ 8 psi

Effluent flow rate                      \_\_\_\_\_ ~110 gpm

Effluent Totalizer reading                      \_\_\_\_\_ 28627670 gallons    474280 electron

Are building heaters in use?                      YES                      (NO)

Ambient air temperature                      \_\_\_\_\_ 75.5 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 1 4"

air pressure 120 psi

Bank 1

SP-1 1 scfm SP-2 3 scfm SP-3 3 scfm SP-4 0 scf 4 0 scfm

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

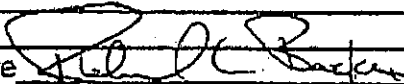
Air compressor motor reinstalled.

Describe any other system maintenance performed

Changed filters.

Bill Durwecki of Redox on site to check water chemistry for sequestering agent, he said everything just where it should be, recommended leaving the sequestering mix alone.

Signature



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

Date/Time 9/25/2006 9:00

Inspection personnel R C Becken

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

Weather Conditions overcast 54 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>6</u>	ft
PW-3	ON	(OFF)	<u>3</u>	ft
PW-4	ON	(OFF)	<u>3</u>	ft
PW-5	ON	(OFF)	<u>3</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 71.67 gpm

Influent Totalizer Reading 8605553 gallons

Sequestering agent drum level ~4 in.

Amount of sequestering agent remaining ~10 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 10 15 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      \_\_\_\_\_ 24 psi

Air stripper blower in use      (#1)      #2

Air stripper differential pressure      \_\_\_\_\_ 3 inches H<sub>2</sub>O

Air stripper r Pressure      \_\_\_\_\_ 16 inches H<sub>2</sub>O

Effluent feed pump in use      (#1)      #2

Effluent feed pump pressure      \_\_\_\_\_ 6 psi

Effluent flow rate      \_\_\_\_\_ ~110 gpm

Effluent Totalizer reading      \_\_\_\_\_ 28847263 gallons      695670 electron

Are building heaters in use?      YES      (NO)

Ambient air temperature      \_\_\_\_\_ 65.5 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 1 3" \_\_\_\_\_

air pressure 100 psi \_\_\_\_\_

Bank 1 \_\_\_\_\_

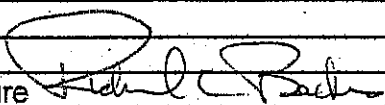
SP-1 1 scfm SP-2 3 scfm SP-3 3 scfm SP-4 0 scf 4 0 scfm \_\_\_\_\_

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

Describe any other system maintenance performed

Changed filters. \_\_\_\_\_

Installed new curb box on the monitoring well near the southwest corner of Mr. C's  
dry cleaners. \_\_\_\_\_

Signature  \_\_\_\_\_

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

Date/Time 10/2/2006 9:00

Inspection personnel R C Becken

Other personnel on site M. Steffan

Weather Conditions clear 54 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>6</u>	ft
PW-3	ON	(OFF)	<u>6</u>	ft
PW-4	ON	(OFF)	<u>4</u>	ft
PW-5	(ON)	OFF	<u>3</u>	ft
PW-6	(ON)	OFF	<u>13</u>	ft
PW-7	(ON)	OFF	<u>6</u>	ft
PW-8	ON	(OFF)	<u>5</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 28.21 gpm

Influent Totalizer Reading 8963543 gallons

Sequestering agent drum level ~2 in.

Amount of sequestering agent remaining ~2 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 0 10 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 25 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 3.5 inches H<sub>2</sub>O

Air stripper Pressure 18 inches H<sub>2</sub>O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 6 psi

Effluent flow rate ~110 gpm

Effluent Totalizer reading 29058020 gallons 908440 electron

Are building heaters in use? YES (NO)

Ambient air temperature 64.1 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	7.6	15.9	59.3
Air stripper effluent		1:10	7.8	16.7	60.2
GAC influent	<u>                    </u>		NA	NA	
GAC effluent	<u>                    </u>		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 1 3" \_\_\_\_\_

air pressure 115 psi \_\_\_\_\_

Bank 1 \_\_\_\_\_

SP-1 1 scfm SP-2 3 scfm SP-3 3 scfm SFP-4 0 scfm \_\_\_\_\_

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

Describe any other system maintenance performed

Change filter.  
PW-6 pump was not operating so I removed the pump and installed one of the two spare pumps, that one was operating either so I removed the second pump and installed the third and last spare available and it didn't operate either. We have no more spares so PW-6 is down.

Signature Richard C. Becker

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

Date 10/2/2006

Measurements taken by RCB

RW-1	<u>21.85</u>	ft	Comments _____
PZ-1A	<u>11.93</u>	ft	Comments _____
PZ-1B	<u>11.66</u>	ft	Comments _____
PZ-1C	<u>12.84</u>	ft	Comments _____
PZ-1D	<u>12.97</u>	ft	Comments _____
PW-2	<u>23.78</u>	ft	Comments _____
PZ-2A	<u>11.55</u>	ft	Comments _____
PZ-2B	<u>11.89</u>	ft	Comments _____
PZ-2C	<u>11.42</u>	ft	Comments _____
PZ-2D	_____	ft	Comments _____
PW-3	<u>21.98</u>	ft	Comments _____
PZ-3A	<u>12.01</u>	ft	Comments _____
PZ-3B	<u>12.06</u>	ft	Comments _____
PZ-3C	_____	ft	Comments <u>car parked on well</u>
PZ-3D	<u>12.09</u>	ft	Comments _____
PW-4	<u>21.96</u>	ft	Comments _____
PZ-4A	<u>12.06</u>	ft	Comments _____
PZ-4B	<u>11.45</u>	ft	Comments _____
PZ-4C	<u>11.61</u>	ft	Comments _____
PZ-4D	<u>10.97</u>	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 10/2/2006

Measurements taken by RCB

PW-5	<u>23.61</u>	ft	Comments _____
PZ-5A	<u>11.3</u>	ft	Comments _____
PZ-5B	<u>11.35</u>	ft	Comments _____
PZ-5C	<u>10.91</u>	ft	Comments _____
PZ-5D	<u>11.71</u>	ft	Comments _____
<hr/>			
PW-6	<u>11.52</u>	ft	Comments _____
PZ-6A	<u>11.91</u>	ft	Comments _____
PZ-6B	<u>11.81</u>	ft	Comments _____
PZ-6C	<u>12.06</u>	ft	Comments _____
PZ-6D	<u>11.74</u>	ft	Comments _____
<hr/>			
PW-7	<u>19.15</u>	ft	Comments _____
ow-c	<u>11.62</u>	ft	Comments _____
PZ-7B	<u>11.9</u>	ft	Comments _____
mpi-6s	<u>11.49</u>	ft	Comments _____
PZ-7D	<u>11.48</u>	ft	Comments _____
<hr/>			
PW-8	<u>21.24</u>	ft	Comments _____
PZ-8A	<u>8.62</u>	ft	Comments _____
PZ-8B	<u>8.55</u>	ft	Comments _____
PZ-8C	<u>8.14</u>	ft	Comments _____
PZ-8D	<u>8.4</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**  
**Analytical Report from**  
**Severn-Trent Laboratory**  
**Analytical Data Package #A06-A101**  
**Sampled: September, 2006**

## STL Buffalo

10 Hazelwood Drive, Suite 106  
Amherst, NY 14228Tel: 716 691 2600 Fax: 716 691 7991  
www.stl-inc.com

## ANALYTICAL REPORT

Job#: A06-A101


STL Project#: NY5A9393.3

Site Name: Ecology and Environment NYSDEC Standby

Task: Mr. C's Site-002700.DC02

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

STL Buffalo

  
Anthony E. Bogolin  
Project Manager

09/22/2006



## STL Buffalo Current Certifications

As of 9/12/2006

<b>STATE</b>	<b>Program</b>	<b>Cert # / Lab ID</b>
<b>AFCEE</b>	AFCEE	
<b>Arkansas</b>	SDWA, CWA, RCRA, SOIL	88-0686
<b>California</b>	NELAP CWA, RCRA	01169CA
<b>Connecticut</b>	SDWA, CWA, RCRA, SOIL	PH-0568
<b>Florida</b>	NELAP CWA, 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>	SDWA, 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, ASP	10026
<b>Oklahoma</b>	CWA, RCRA	9421
<b>Pennsylvania</b>	CWA, RCRA	68-00281
<b>South Carolina</b>	RCRA	91013
<b>Tennessee</b>	SDWA	02970
<b>USACE</b>	USACE	
<b>USDA</b>	FOREIGN SOIL PERMIT	S-41579
<b>USDOE</b>	Department of Energy	DOECAP-STB
<b>Virginia</b>	SDWA	278
<b>Washington</b>	CWA, RCRA	C1677
<b>West Virginia</b>	CWA, RCRA	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>
A6A10101	Effluent	WATER	09/05/2006	11:00	09/05/2006	11:45
A6A10102	Influent	WATER	09/05/2006	10:50	09/05/2006	11:45

## METHODS SUMMARY

Job#: A06-A101STL 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

References:

- 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#: A06-A101STL Project#: NY5A9393.3Site Name: Ecology and Environment NYSDEC StandbyGeneral 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

A06-A101

Sample Cooler(s) were received at the following temperature(s); 17.2 °C

Samples were received at a temperature of 17.2°C. As the samples were collected the same day, it was not possible for the samples to cool to 4°C prior to receipt. There is no impact on the data.

GC/MS Volatile Data

The analyte methylene chloride was detected in the dilution for sample Influent. The dilution process involves additional manipulation of the sample, therefore, the sample detection for methylene chloride in the dilution may potentially be due to laboratory contamination and should be evaluated accordingly.

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.

Date: 09/22/2006  
Time: 11:26:40

Dilution Log w/Code Information  
For Job A06-A101

6/24 Page: 1  
Rept: AN1266R

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
Influent	A6A10102	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



## 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: A6A10101  
Date Collected: 09/05/2006  
Time Collected: 11:00Date Received: 09/05/2006  
Project No: NY5A9393.3  
Client No: 397714  
Site No:

Parameter	Result	Flag	Detection	Units	Method	Date/Time		Analyst
			Limit			Analyzed		
AQUEOUS-SW8463 8260 - TCL VOLATILES								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,1-Dichloroethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,1-Dichloroethene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,2-Dibromoethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,2-Dichloroethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,2-Dichloropropane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
2-Butanone	ND		5.0	UG/L	8260	09/06/2006	12:17	JMB
2-Hexanone	ND		5.0	UG/L	8260	09/06/2006	12:17	JMB
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	09/06/2006	12:17	JMB
Acetone	ND		5.0	UG/L	8260	09/06/2006	12:17	JMB
Benzene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Bromodichloromethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Bromoform	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Bromomethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Carbon Disulfide	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Carbon Tetrachloride	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Chlorobenzene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Chloroethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Chloroform	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Chloromethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Cyclohexane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Dibromochloromethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Dichlorodifluoromethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Ethylbenzene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Isopropylbenzene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Methyl acetate	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Methylcyclohexane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Methylene chloride	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Styrene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Tetrachloroethene	2.9		1.0	UG/L	8260	09/06/2006	12:17	JMB
Toluene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Total Xylenes	ND		3.0	UG/L	8260	09/06/2006	12:17	JMB
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Trichloroethene	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Trichlorofluoromethane	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB
Vinyl chloride	ND		1.0	UG/L	8260	09/06/2006	12:17	JMB

Date: 09/22/2006

Time: 11:26:44

Ecology and Environment NYSDEC Standby  
Mr. C's Site-002700.DC02

Sample ID: Effluent

Lab Sample ID: A6A10101

Date Collected: 09/05/2006

Time Collected: 11:00

Date Received: 09/05/2006

Project No: NY5A9393.3

Client No: 397714

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Wet Chemistry Analysis								
pH	8.26		0.500	S.U.	150.1	09/06/2006	09:20	LRM
Total Hardness	550		2.0	MG/L	130.2	09/08/2006	13:15	LRM



Sample ID: Influent  
 Lab Sample ID: A6A10102  
 Date Collected: 09/05/2006  
 Time Collected: 10:50

Date Received: 09/05/2006  
 Project No: NY5A9393.3  
 Client No: 397714  
 Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS-SW8463 8260 - TCL VOLATILES								
1,1,1-Trichloroethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,1,2,2-Tetrachloroethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,1,2-Trichloroethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,1-Dichloroethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,1-Dichloroethene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,2,4-Trichlorobenzene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,2-Dibromo-3-chloropropane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,2-Dibromoethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,2-Dichlorobenzene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,2-Dichloroethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,2-Dichloropropane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,3-Dichlorobenzene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
1,4-Dichlorobenzene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
2-Butanone	ND		100	UG/L	8260	09/06/2006	12:40	JMB
2-Hexanone	ND		100	UG/L	8260	09/06/2006	12:40	JMB
4-Methyl-2-pentanone	ND		100	UG/L	8260	09/06/2006	12:40	JMB
Acetone	ND		100	UG/L	8260	09/06/2006	12:40	JMB
Benzene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Bromodichloromethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Bromoform	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Bromomethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Carbon Disulfide	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Carbon Tetrachloride	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Chlorobenzene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Chloroethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Chloroform	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Chloromethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
cis-1,2-Dichloroethene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
cis-1,3-Dichloropropene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Cyclohexane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Dibromochloromethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Dichlorodifluoromethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Ethylbenzene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Isopropylbenzene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Methyl acetate	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Methyl-t-Butyl Ether (MTBE)	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Methylcyclohexane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Methylene chloride	45		20	UG/L	8260	09/06/2006	12:40	JMB
Styrene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Tetrachloroethene	1300		20	UG/L	8260	09/06/2006	12:40	JMB
Toluene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Total Xylenes	ND		60	UG/L	8260	09/06/2006	12:40	JMB
trans-1,2-Dichloroethene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
trans-1,3-Dichloropropene	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Trichloroethene	39		20	UG/L	8260	09/06/2006	12:40	JMB
Trichlorofluoromethane	ND		20	UG/L	8260	09/06/2006	12:40	JMB
Vinyl chloride	ND		20	UG/L	8260	09/06/2006	12:40	JMB

Date: 09/22/2006

Time: 11:26:44

Ecology and Environment NYSDEC standby  
Mr. C's Site-002700.DC02

Sample ID: Influent

Lab Sample ID: A6A10102

Date Collected: 09/05/2006

Time Collected: 10:50

Date Received: 09/05/2006

Project No: NY5A9393.3

Client No: 397714

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
Wet Chemistry Analysis									
pH	7.17		0.500		S.U.	150.1	09/06/2006	09:20	LRM
Total Hardness	500		2.0		MG/L	130.2	09/08/2006	13:15	LRM

## Batch Quality Control Data

Date: 09/22/2006 11:30:22  
 Batch No: A6B25936

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A6A11901

A6A11901MS

A6A11901SD

Analyte	Units of Measure	Sample	Concentration			% Recovery		% RPD	QC LIMITS RPD REC.			
			Matrix Spike	Spike Duplicate	MS	Spike Amount MSD	MS			MSD	Avg	
WET CHEMISTRY ANALYSIS ALLIED - 130.2 - TOTAL HARDNESS AS CaC	Mg/L	820.0	2480	2440	1600	1600	104	101	103	3	15.0	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	VBLK32	A06-A101	A6B2580602	Reporting Limit	Sample Value	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	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Acetone	UG/L	ND	5.0	NA	NA	NA	5.0	NA	NA	NA	5.0	NA	NA	NA
Benzene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Bromodichloromethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Bromoform	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Bromomethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
2-Butanone	UG/L	ND	5.0	NA	NA	NA	5.0	NA	NA	NA	5.0	NA	NA	NA
Carbon Disulfide	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Carbon Tetrachloride	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Chlorobenzene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Chloroethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Chloroform	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Chloromethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Cyclohexane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,2-Dibromoethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Dibromochloromethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,2-Dichlorobenzene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,3-Dichlorobenzene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,4-Dichlorobenzene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Dichlorodifluoromethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,1-Dichloroethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,2-Dichloroethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,1-Dichloroethene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
cis-1,2-Dichloroethene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
trans-1,2-Dichloroethene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,2-Dichloropropane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
cis-1,3-Dichloropropene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
trans-1,3-Dichloropropene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Ethylbenzene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
2-Hexanone	UG/L	ND	5.0	NA	NA	NA	5.0	NA	NA	NA	5.0	NA	NA	NA
Isopropylbenzene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Methyl acetate	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Methylcyclohexane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Methylene chloride	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
4-Methyl-2-pentanone	UG/L	ND	5.0	NA	NA	NA	5.0	NA	NA	NA	5.0	NA	NA	NA
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Styrene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Tetrachloroethene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
Toluene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,2,4-Trichlorobenzene	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,1,1-Trichloroethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA
1,1,2-Trichloroethane	UG/L	ND	1.0	NA	NA	NA	1.0	NA	NA	NA	1.0	NA	NA	NA

Date: 09/22/2006  
Time: 11:26:51

Ecology and Environment NYSDEC Standby  
Mr. C's site-002700.DG02  
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN1247

Client ID	Lab ID	VBLK32 A06-A101	A6B2580602	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
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	
<u>IS/SURROGATE(S)</u>									
Chlorobenzene-D5	%	108	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	98	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	96	50-200	NA		NA		NA	
Toluene-D8	%	116	76-122	NA		NA		NA	
p-Bromofluorobenzene	%	101	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	112	72-143	NA		NA		NA	

Date: 09/22/2006  
Time: 11:27:01

Ecology and Environment NYSDEC standby  
Mr. C's site-002700.DC02  
WET CHEMISTRY ANALYSIS

Rept: AM1247

Client ID	Lab ID	Method Blank	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Job No		A06-A101	ND	2.0	NA		NA	
Sample Date		A6B2593602						
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Total Hardness	MG/L	ND	2.0	NA		NA		NA

17/24

NA = Not Applicable ND = Not Detected

STL Buffalo



Client Sample ID: VBLK32  
Lab Sample ID: A6B2580602

MSB32  
A6B2580601

Analyte	Units of Measure	Concentration		% Recovery Blank spike	QC LIMITS
		Blank spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-dichloroethene	UG/L	21.1	25.0	85	65-142
Trichloroethene	UG/L	25.6	25.0	102	71-120
Benzene	UG/L	25.2	25.0	101	67-126
Toluene	UG/L	22.2	25.0	89	69-120
Chlorobenzene	UG/L	24.1	25.0	97	73-120

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

Client Sample ID: Method Blank  
Lab Sample ID: A6B2593602

LCS  
A6B2593601

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	MG/L	256.0	250.0	102	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 A06-A101 A6A10101	Influent A06-A101 A6A10102
Sample Date	09/05/2006 11:00	09/05/2006 10:50
Received Date	09/05/2006 11:45	09/05/2006 11:45
Extraction Date	09/06/2006 12:17	09/06/2006 12:40
Analysis Date	-	-
Extraction HT. Met?	YES	YES
Analytical HT Met?	WATER	WATER
Sample Matrix	1.0	20.0
Dilution Factor	0.005 LITERS	0.005 LITERS
Sample wt/vol % Dry		

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Client Sample ID A06-A101 A682580602			
Sample Date	09/06/2006 10:58			
Received Date	-			
Extraction Date	-			
Analysis Date	-			
Extraction HT Met?	-			
Analytical HT Met?	-			
Sample Matrix	WATER			
Dilution Factor	1.0			
Sample wt/vol	0.005 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 INI	A H Matrix
AGA10101	Effluent	RECNY	pH	150.1	1.0		09/05/06 11:00	09/05 11:45	NA		09/06 09:20	LRM	Y WATER
		RECNY	Total Hardness	130.2	1.0		09/05/06 11:00	09/05 11:45	NA		09/08 13:15	LRM	Y WATER
AGA10102	Influent	RECNY	pH	150.1	1.0		09/05/06 10:50	09/05 11:45	NA		09/06 09:20	LRM	Y WATER
		RECNY	Total Hardness	130.2	1.0		09/05/06 10:50	09/05 11:45	NA		09/08 13:15	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	T H	Analysis Date	ANL A INI H	Matrix
A682593602	Method Blank	RECNY	Total Hardness	130.2	1.0		-	-	NA		09/08 13:15	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**

STL-4124 (0901)

Client: **Ecology + Environment**  
 Address: **368 Pleasant Views Dr., Lancaster, NY 14086**  
 Project Name and Location (State): **Lancaster, NY**  
 Project Manager: **Mike Steffon**  
 Telephone Number (Area Code)/Fax Number: **(716) 884-8060 (716) 884-0844**  
 Site Contact: **Rick Becker**  
 Lab Contact: **Tony B.**  
 Carrier/Waybill Number: **Oxm Enterprises Inc.**  
 Date: **9/5/06**  
 Lab Number: **9/5/06**  
 Chain of Custody Number: **287301**  
 Page **1** of **1**

Special Instructions/  
Conditions of Receipt

Analysis (Attach list if  
more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix						Containers & Preservatives											
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	Zinc NaOH								
Influent	9/5/06	12:00	X					1	13											
Effluent	9/5/06	11:00	X					1	13											

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 \_\_\_\_\_

1. Relinquished By: **Hel D. Becker** Date: **9/5/06** Time: **1145**  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

QC Requirements (Specify)  
 1. Received By: \_\_\_\_\_ Date: **9/5/06** Time: **1145**  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **17.2°C same day No Ice**

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

**Attachment C**  
**Summary of Site Utility Costs and Projections**  
**October 2004 to September 2006**



Utility Provider		Account #	Utility Budget:												ATTACHMENT C						
			August '05	September '05	October '05	November '05	December '05	January '06	February '06	March '06	Electric:										
New York State E&G	06-311-11-002816-28	000699.NY06.05	\$ 1,871.38	\$ 1,813.41	\$ 1,446.70	\$1,762.12	\$ 1,908.70	\$ 2,459.47	\$ 2,113.40	\$ 2,294.83	\$24,024.00										
New York State E&G	78-311-11-015900-18		\$ 294.32	\$ 227.81	\$ 314.54	\$267.23	\$ 316.73	\$ 366.57	\$ 315.85	\$ 325.53	\$680.00										
National Fuel Gas	5819628-05	000699.NY06.05		\$ 8.61	\$ 181.57		\$ 159.08	\$ 93.57	\$ 149.49		\$1,100.00										
Totals			\$ 2,165.70	\$ 2,049.83	\$ 1,942.81	\$2,029.35	\$ 2,384.51	\$ 2,909.61	\$ 2,578.74	\$ 2,620.36	\$25,804.00										
Totals			April '06	May '06	June '06	July '06	August '06	Sept '06	Oct '06	Nov '06	Ave./Month										
Mr. C's Electric Costs			\$ 1,916.90	\$ 1,627.85	\$ 1,898.10	\$ 1,595.81	\$ 1,862.59				\$ 2,457.13										
Agway Electric			\$ 308.98	\$ 299.15	\$ 328.10	273.92	\$ 184.80				\$ 279.57										
Mr. C's Natural Gas Costs			\$ -	\$ 0.73	\$ 14.90			\$ 17.42			\$ 52.11										
Totals			\$ 2,225.88	\$ 1,927.73	\$ 2,241.10	\$ 1,595.81	\$ 2,047.39	\$ 17.42	\$ -	\$ 0.00	\$ 2,788.81										
Electric				\$ 24,571.25																	
Natural Gas				\$ 625.37																	
Grand Total - NYSE&G/National Fuel Gas Costs To Date			\$	25,196.63																	
Phone																					
Utility Provider	Phone #	E&E Cost Center	August '05	September '05	October '05	November '05	December '05	January '06	February '06	March '06											
Verizon	716-652-0094	000699.NY06.05		\$ 38.60	\$ 39.71	\$ 38.94	\$ 38.66	\$ 38.56	\$ 39.03	\$ 38.59											
Account#																					
716 652 0094 416 26 2			April '06	May '06	June '06	July '06	August '06	Sept '06	Oct '06	Nov '06	Ave./Month										
			\$ 38.59	\$ 43.63	\$ 42.37	\$ 41.00	\$ -	\$ -	\$ -	\$ -	\$ 48.65										
Grand Total - Verizon Costs to Date			\$	437.88																	
Grand Total All Utilities To Date			\$	25,634.51																	
****This includes initial connection fees for the phone company of approximately \$180.																					

Month	Possible OP		Actual OP		Up-Time Percent	Percent Capacity	General Operation Comments	Budget Remaining:	Electric:	Telephone:	Gas	Total:	
	Hours	Hours	Hours	Hours									
September-03	96	96	96	96	100.00%	58%	Shutdown by Tyres after Separable Part B inspection Official Startup by O&M Enterprises on 10/22/03						
October-03	168	168	168	168	100.00%	6%							
November-03	720	720	720	720	100.00%	5%							
December-03	744	744	744	744	100.00%	28%							
January-04	672	672	672	672	100.00%	16%							
February-04	696	696	696	696	100.00%	21%							
March-04	816	816	816	816	99.88%	51%							
April-04	672	672	670	670	99.70%	50%							
May-04	696	696	513	513	73.71%	43%	Equipment shutdown- low flow of water to air stripper - 5/17-24/04						
June-04	696	696	692	692	99.43%	30%	Individual pumps shutdown for inspection and cleaning						
July-04	840	840	840	840	100.00%	47%	100% operational						
August-04	672	672	672	672	100.00%	42%	100% operational						
September-04	840	840	820	820	97.62%	31%	Temporary Stripper Shutdown						
October-04	672	672	607	607	90.33%	33%	65 hour weekend shutdown due to low pressure problems with the airstripper						
November-04	696	696	641.5	641.5	92.17%	37%							
December-04	816	816	792	792	97.06%	42%	GAC units removed from treatment system operations						
January-05	840	840	840	840	100.00%	46%	GAC units removed from project site 1/14/05						
February-05	672	672	660	660	98.21%	41%	Unit cleaned February 4, 2005						
March-05	840	840	828	828	98.57%	33%	Unit shut down for additional cleaning and sequestering agent review.						
April-05	696	696	609	609	87.50%	58%	Unit cleaned April 8, 2005. Back in service until new sequestering agent approved and installed.						
May-05	840	840	768	768	91.43%	36%	Unit re-cleaned and new water treatment chemical started operations on 5/19/05						
June-05	744	744	644	644	86.56%	30%	Extremely dry month of June.						
July-05	624	624	605.5	605.5	97.04%	44%	Extremely dry month of July.						
August-05	696	696	696	696	100.00%	44%	Extremely dry month of August.						
September-05	864	864	864	864	100.00%	40%	Extremely dry month of September.						
October-05	672	672	672	672	100.00%	39%	Extremely dry month of October.						
November-05	672	672	659	659	98.07%	34%	Power outage occurred November 6, 2005						
December-05	864	864	854	854	98.84%	29.6%	Air Stripper cleaning occurred on 12/27/05						
January-06	816	816	816	816	100.00%	36.7%							
February-06	696	696	696	696	100.00%	54.8%							
March-06	696	696	696	696	100.00%	56.4%							
April-06	696	696	689	689	98.99%	34.3%	Dry month, 5 hours for cleaning the stripper						
May-06	696	696	689	689	98.99%	32.3%	Dry month, 5 hours for cleaning the stripper						
June-06	816	816	812	812	99.51%	28.6%							
July-06	624	624	621	621	99.52%	27.8%							
August-06	696	696	696	696	100.00%	26.4%							
September-06	840	840	834	834	99.29%	28.2%							
Totals to Date	26112	26112	25407	25407	97.30%		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													
<b>Projected Utility Costs for the O&amp;M year (10/05 to 4/06)</b>													
	Ave./Month												
Mr. C's Electric	\$	2,457.13											
Agway Electric	\$	279.57											
Mr. C's Gas	\$	52.11											
Mr. C's Telephone	\$	48.65											
Ave. Utility Cost Total	\$	2,837.46	times	12	month	Estimate	\$36,887.03						