



ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER

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June 5, 2007

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
May 2007 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the May 2007 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 package 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 May 2007, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations Information

- The treatment system was operational for 100% of the period between 5/1/07 and 5/29/07. 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 May 2007 indicate that approximately 853,697 gallons of groundwater were processed through the treatment system for the period 5/1/07 and 5/29/07. 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 5/1/07, 5/7/07, 5/14/07, 5/21/07 and 5/29/07.

- Checklists for weekly system inspections from OMEI are provided as **Attachment A** for 5/1/07, 5/7/07, 5/14/07, 5/21/07 and 5/29/07. Weekly system checks indicated that the air stripper differential pressure remained between 2.5 and 3.0 inches of water with air stripper pressure at 16-18 inches of water during the month of May 2007.
- The feed rate for the sequestering agent was temporarily increased to 5.0 ml/min on May 14, 2007 when OMEI personnel discovered the Redux supply pump had lost prime. The pump was re-primed and allowed to run at the increased feed rate for approximately one week. The feed rate was reduced on May 21, 2007 after the stripper was inspected and found to be free of excessive fouling. The feed rate was re-established at 3.0 ml/min, based on previous inflow requirements to the system and visual observation of mineral deposits on the stripping trays.
- The analytical results from compliance sampling performed on May 7, 2007 (**Attachment B**) were received by EEEPC on May 25, 2007. A review of the data revealed a PCE effluent level of 0.76 ppb which is well below the discharge limit of 10 ppb for the site. EEEPC and OMEI continue to monitor the status of the effluent PCE levels closely and respond with corrective actions by OMEI and STL as required to resolve non-compliance issues.
- The air stripper trays were pressure washed on May 29, 2007. Post inspection indicated the trays were clean and air stripper holes not occluded.
- The process bay fresh air intake was opened and inspected on May 29, 2007. No obstructions were noted.
- The Work Assignment (D004442-13) was recently approved by NYSDEC on May 23, 2007. The work assignment includes OM&M services for the next four years. EEEPC will be transitioning O&M services to Iyer Environmental Group LLC, Orchard Park, NY and Analytical Services to Mitkem Corporation, Warwick, RI shortly. While subcontracts have been issued to these two subcontractors, transition of services will not take place until signed subcontract agreements are executed and in place.

Agway Site Remedial Information

- OMEI continues to review the system operations on a weekly basis at the Agway site. All systems continue to be operational at the site.

Mr. C's and Agway Energy Usage information

- A copy of the site utility costs from the Mr. C's and Agway remedial operations for May 2007 and year to date are provided as **Attachment C**.

Analytical Summary – Groundwater

- EEEPC and OMEI personnel collected samples of influent and effluent groundwater for the reporting period 5/1/07 to 5/29/07 on May 7, 2007. Overall cleanup efficiency for the May 2007 reporting period was 99.95% based on the May 7, 2007 analytical results. The summary of analytical results for the May 7, 2007 sampling event is presented in **Tables 3-1**.

Mr. William Welling PE, Project Manager

June 5, 2007

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The May 2007 monthly analytical results indicate that the treated groundwater effluent is below the site specific Effluent Discharge Limitation Requirements (SPDES Equivalency Permit) for all compounds. The summary of Effluent Discharge Criteria & Analytical Compliance Results is presented in Table 4.

- Approximately 11.86 pounds of chlorinated volatile organic compounds (cVOCs) 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 cVOC'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 questions regarding the May 2007 OM&M report summary submitted, please call me at 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, EEEPC - Buffalo w/ attachments
J. Kohler, EEEPC - Buffalo w/ attachments
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Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time ¹
September 2002 ²	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 ³	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%
Totals Page 1	25037.5	93.80%

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

Month	Reporting Hours	Operational Up-time
Totals forward from Page 1 (8/29/05)	25037.5	93.80%
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%
October 2, 2006 - October 30, 2006	628	96.91%
October 30, 2006 - November 27, 2006	672	100.00%
November 27, 2006 - December 27, 2006	672	100.00%
December 27, 2006 - February 6, 2007	983	99.00%
February 6, 2007 - February 26, 2007	480	100.00%
February 26, 2007 - March 26, 2007	672	100.00%
March 26, 2007 - May 1, 2007	888	100.00%
May 1, 2007 - May 29, 2007	696	100.00%
Total Hours	39,478.50	
Average Operational Up-time =		95.80%

NOTES:

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

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

Month	Actual Period	Gallons
September 2002 ¹	9/5/02 - 10/2/02	4,362,477
October 2002 ¹	10/2/02 - 11/4/02	4,290,429
November 2002 ¹	11/4/02 - 12/2/02	3,326,126
December 2002 ¹	12/2/02 - 1/7/03	3,349,029
January 2003 ¹	1/7/03 - 2/3/03	1,973,144
February 2003 ¹	2/3/03 - 3/10/03	2,158,771
March 2003 ¹	3/10/03 - 4/7/03	3,263,897
April 2003 ¹	4/7/03 - 5/2/03	2,574,928
May 2003 ¹	5/2/03 - 6/2/03	1,652,538
June 2003 ¹	6/2/03 - 6/30/03	2,002,990
July 2003 ¹	6/30/03 - 7/29/03	2,543,978
August 2003 ¹	7/29/03 - 8/25/03	2,042,424
September 2003 ¹	8/25/03 - 10/22/03	370,446
October 2003 ²	10/22/03 - 10/29/03	67,424
November 2003 ²	10/29/03 - 11/25/03	224,278
December 2003 ²	11/25/03 - 12/29/03	1,496,271
January 2004 ²	12/29/03 - 01/26/04	688,034
February 2004 ²	01/26/04 - 02/24/04	736,288
March 2004 ²	02/24/04 - 03/29/04	2,164,569
April 2004 ²	03/29/04 - 04/26/04	1,741,730
May 2004 ²	4/26/2004 - 5/24/2004	1,408,095
June 2004 ²	5/24/2004 - 6/21/2004	972,132
July 2004 ²	6/22/2004 - 7/26/2004	1,858,790
August 2004 ²	7/27/04 - 8/23/04	1,289,960
September 2004 ²	8/23/04 - 9/27/04	1,201,913
October 2004 ²	9/27/04 - 10/25/04	937,560
November 2004 ²	10/25/04 - 11/23/04	1,098,158
December 2004 ²	11/23/04 - 12/27/04	1,556,063
January 2005 ²	12/27/04 - 1/31/05	1,798,238
February 2005 ²	1/31/05 - 2/28/05	1,271,562
March 2005 ²	2/28/05 - 4/4/05	1,295,692
April 2005 ²	4/4/05 - 5/2/05	1,652,510
May 2005 ²	5/2/05 - 6/6/05	1,423,099
June 2005 ²	6/6/05 - 7/6/05	877,988
July 2005 ²	7/6/05 - 8/1/05	1,283,302
August 2005 ²	8/1/05 - 8/29/05	1,443,195
Total Page 1	9/5/02 - 8/29/05	62,398,028

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

Month	Actual Period	Gallons
Total from Page 1	9/5/02 - 8/29/05	62,398,028
September 2005 ²	8/29/05 - 10/3/05	1,591,248
October 2005 ²	10/3/05 - 10/31/05	1,204,074
November 2005 ²	10/31/05 - 11/28/05	1,038,170
December 2005 ²	11/28/05 - 1/3/06	1,182,854
January 2006 ²	1/3/06 - 2/6/06	1,401,821
February 2006 ²	2/6/06 - 3/6/06	1,927,556
March 2006 ²	3/6/06 - 4/3/06	1,838,541
April 2006 ²	4/3/06 - 5/1/06	1,116,192
May 2006 ²	5/1/06 - 5/30/06	1,053,047
June 2006 ²	5/30/06 - 7/3/06	1,092,786
July 2006 ²	7/3/06 - 7/30/06	813,264
August 2006 ²	7/30/06 - 8/28/06	860,366
September 2006 ²	8/28/06 - 10/2/06	1,107,730
October 2006 ²	10/2/06 - 10/30/06	818,535
November 2006 ²	10/30/06 - 11/27/06	903,959
December 2006 ²	11/27/06 - 12/27/06	967,671
January 2007 ²	12/27/06 - 2/6/07	1,229,105
February 2007 ²	2/6/07 - 2/26/07	913,610
March 2007 ²	2/26/07 - 3/26/07	882,228
April 2007 ²	3/26/07 - 5/1/07	1,127,096
May 2007 ²	5/1/07 - 5/29/07	853,697
Total Gallons Treated To Date:		86,321,578

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
May 2007 VOC Analytical Summary

Compound	5/7/2007 Sampling Results			
	Influent Concentration*		Effluent Concentration*	Cleanup Efficiency
	(ug/L)		(ug/L)	(%)
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	12	J	ND(<1.0)	100%
Methylene chloride	ND (<20)		ND(<1.0)	NA
Methyl tert-butyl ether (MTBE)	ND (<20)		ND(<1.0)	NA
Tetrachloroethene	1600		0.76	J 99.95%
Toluene	ND (<20)		ND(<1.0)	NA
Trichloroethene	54		ND(<1.0)	100%
Total Xylenes	ND (<60)		ND (<3.0)	NA
May 7, 2007 TOTALs (in ug/L) =		1666	0.8	99.95%

Notes:

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

* (<50) - Detection Limit

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

Parameter/Analyte	Daily Maximum ¹	Units	May 7, 2007 Effluent Analytical Values - Compliance
Flow	216,000	gpd	35,570.71 gpd ⁶
pH	6.0 - 9.0	standard units	8.55
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	0.76 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	µg/L	ND (<1.0)
o-Xylene ³	5	µg/L	NA
m, p-Xylene ³	10	µg/L	NA
Total Xylenes	NA	µg/L	ND (<3.0)
Iron, total	600	µg/L	NA ⁹
Aluminum	4,000	µg/L	NA ⁹
Copper	48	µg/L	NA ⁹
Lead	11	µg/L	NA ⁹
Manganese	2,000	µg/L	NA ⁹
Silver	100	µg/L	NA ⁹
Vanadium	28	µg/L	NA ⁹
Zinc	230	µg/L	NA ⁹
Total Dissolved Solids	850	mg/L	NA ⁹
Total Suspended Solids	20	mg/L	NA ⁹
Hardness	N/A	mg/l	599
Cyanide, Free	10	µg/L	NA ⁹

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 May 1, 2007 through May 29, 2007. Total gallons: 853,697 divided by 29 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.
- pH and Hardness results based on May 7, 2007 sample event analytical results.

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

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
September 2002 ⁶	9/5/02 - 10/2/02	1297	1	47.2
October 2002 ⁶	10/2/02 - 11/4/02	2000	1	71.6
November 2002 ⁶	11/4/02 - 12/2/02	1685	0	46.8
December 2002 ⁶	12/2/02 - 1/7/03	1586	9	44.1
January 2003 ⁶	1/7/03 - 2/3/03	1803	10	29.5
February 2003 ⁶	2/3/03 - 3/10/03	1985	3	35.7
March 2003 ⁶	3/10/03 - 4/7/03	1990	5	54.1
April 2003 ⁶	4/7/03 - 5/2/03	1656	3	35.5
May 2003 ⁶	5/2/03 - 6/2/03	1623	7	22.3
June 2003 ⁶	6/2/03 - 6/30/03	5787	6	96.6
July 2003 ⁶	6/30/03 - 7/29/03	1356	1	28.8
August 2003 ⁶	7/29/03 - 8/25/03	1263	3	21.5
September 2003 ⁶	8/25/03 - 10/22/03	1263	3	3.9
October 2003 ⁷	10/22/03 - 10/29/03	1693.69	1.47	1.0
November 2003 ⁷	10/29/03 - 11/25/03	2510.83	4.4	4.7
December 2003 ⁷	11/25/03 - 12/29/03	503.3	10.5	6.2
January 2004 ⁷	12/29/03 - 01/26/04	3667	15.8	21.0
February 2004 ⁷	01/26/04 - 02/24/04	3348.6	26.7	20.4
March 2004 ⁷	02/24/04 - 03/29/04	1939.3	4.96	34.9
April 2004 ⁷	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004 ⁷	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004 ⁷	5/24/2004 - 6/21/2004	1454	1.7	22.5
July 2004 ⁷	6/22/2004 - 7/26/2004	1313	3.6	20.3
August 2004 ⁷	7/27/04 - 8/23/04	2305	7.4	24.7
September 2004 ⁷	8/23/04 - 9/27/04	1453	6.7	14.5
October 2004 ⁷	9/27/04 - 10/25/04	1504	14.3	11.7
November 2004 ⁷	10/25/04 - 11/23/04	1480	36.42	13.2
December 2004 ^{7, 8}	11/23/04 - 12/27/04	1562	132.21	18.6
January 2005 ⁷	12/27/04 - 1/31/05	1264	47.5	18.3
February 2005 ⁹	1/31/05 - 2/28/05	1538	53.2	15.8
March 2005 ⁹	2/28/05 - 4/4/05	931	56.0	9.5
April 2005 ⁹	4/4/05 - 5/2/05	1269	111.7	15.96
May 2005 ⁹	5/2/05 - 6/6/05	1431	319.0	13.20
June 2005 ⁹	6/6/05 - 7/6/05	1126	12	8.16
July 2005 ⁹	7/6/05 - 8/1/05	1575	5.90	16.80
August 2005 ⁹	8/1/05 - 8/29/05	1359	51.26	15.70
Total pounds of VOCs removed from inception to August 2005 =				928.04

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.)
Total pounds of VOCs removed from inception to August 2005 =				928.04
September 2005 ⁹	8/29/05 - 10/3/05	1239	0.47	16.50
October 2005 ⁹	10/3/05 - 10/31/05	1454	0.81	14.60
November 2005 ⁹	10/31/05 - 11/28/05	2266	6.80	0.00
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
October 2006	10/2/06 - 10/30/06	1262	3.90	8.56
November 2006	10/30/06 - 11/27/06	1152	10.30	8.61
December 2006	11/27/06 - 12/27/06	1210	16.20	9.63
January 2007	12/27/06 - 2/6/07	1406	1.30	14.40
February 2007	2/6/07 - 2/26/07	1017	4.70	7.72
March 2007	2/26/07 - 3/26/07	1693	0.80	12.47
April 2007	3/26/07 - 5/1/07	1665	3.10	15.63
May 2007	5/1/07 - 5/29/07	1666	0.76	11.86
Total pounds of VOCs removed since inception =				1190.58

NOTES:

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

CONVERSIONS:

1 pound = 453.5924 grams
1 gallon = 3.785 liters

Based on the Analytical Results from May 7, 2007:

Pounds of VOCs removed calculated by the following formula:

$$1666 \text{ ug/L} - 0.76 \text{ ug/L} * (.8 \text{ g}/10^6 \text{ ug}) * (1 \text{ lb}/453.5924 \text{ g}) * 853,697 \text{ gallons} * (3.785 \text{ L}/\text{gallon}) \sim 11.86 \text{ lbs}$$

where 853,697 gallons is the monthly process water volume.

Attachment A
OMEI Weekly Inspection Reports
May 2007

Including:

5/1/07

5/8/07

5/15/07

5/22/07

5/29/07

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

Date/Time 5/1/2007 8:50

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions overcast 49 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>8</u>	ft
PW-2	(ON)	OFF	<u>7</u>	ft
PW-3	ON	(OFF)	<u>7</u>	ft
PW-4	(ON)	OFF	<u>5</u>	ft
PW-5	(ON)	OFF	<u>3</u>	ft
PW-6	ON	(OFF)	<u>4</u>	ft
PW-7	(ON)	OFF	<u>9</u>	ft
PW-8	ON	(OFF)	<u>7</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 8 gpm

Influent Totalizer Reading 9603048 gallons

Sequestering agent drum level 36 in.

Amount of sequestering agent remaining 55 gallons

Sequestering agent feed rate 3.5 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 8 16 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 _____ 29 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 3 inches H₂O

Air stripper r Pressure _____ 17 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 8 psi

Effluent flow rate _____ ~100 gpm

Effluent Totalizer reading _____ 35551714 gallons 466560

Are building heaters in use? YES (NO)

Ambient air temperature _____ 62 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 4"

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

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

Is there evidence of tampering/vandalism of wells? YES (NO)

Were manholes inspected? (YES) NO

Were electrical boxes inspected? YES (NO)

Is water present in any manholes or electrical boxes? (YES) NO

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

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

Other observations: _____

Agway _____

vacuum 12 _____

air pressure 85 psi _____

Bank 1 _____

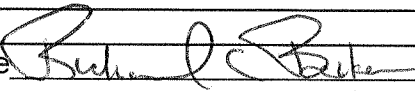
SP-1 1 scfm SP-2 3 scfm SP-3 2 scfm SP-4 0 scfm _____

SP-5 0 scfm SP-6 2 scfm SP-7 scfm SP-8 scfm _____

Describe any other system maintenance performed

Changed filters, started new drum of Redux last Thursday April 26, 07.

Signature



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

Date 5/1/2007

Measurements taken by RC Becken

RW-1	<u>24.43</u>	ft	Comments _____
PZ-1A	<u>10.93</u>	ft	Comments _____
PZ-1B	<u>10.68</u>	ft	Comments _____
PZ-1C	<u>11.89</u>	ft	Comments _____
PZ-1D	<u>11.97</u>	ft	Comments _____
PW-2	<u>22.66</u>	ft	Comments _____
PZ-2A	<u>10.55</u>	ft	Comments _____
PZ-2B	<u>10.9</u>	ft	Comments _____
PZ-2C	<u>10.21</u>	ft	Comments _____
PZ-2D	_____	ft	Comments _____
PW-3	<u>21.16</u>	ft	Comments _____
PZ-3A	<u>11.04</u>	ft	Comments _____
PZ-3B	<u>11.12</u>	ft	Comments _____
PZ-3C	<u>11.6</u>	ft	Comments _____
PZ-3D	<u>11.14</u>	ft	Comments _____
PW-4	<u>26.41</u>	ft	Comments _____
PZ-4A	<u>10.1</u>	ft	Comments _____
PZ-4B	<u>10.7</u>	ft	Comments _____
PZ-4C	<u>10.85</u>	ft	Comments _____
PZ-4D	<u>10.25</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 5/1/2007

Measurements taken by RC Becken

PW-5	<u>26.49</u>	ft	Comments _____
PZ-5A	<u>10.46</u>	ft	Comments _____
PZ-5B	<u>10.49</u>	ft	Comments _____
PZ-5C	<u>10.11</u>	ft	Comments _____
PZ-5D	<u>10.85</u>	ft	Comments _____
PW-6	<u>22.15</u>	ft	Comments _____
PZ-6A	<u>11.24</u>	ft	Comments _____
PZ-6B	<u>11.32</u>	ft	Comments _____
PZ-6C	<u>11.06</u>	ft	Comments _____
PZ-6D	<u>10.98</u>	ft	Comments _____
PW-7	<u>16.9</u>	ft	Comments _____
MPI6S	<u>10.82</u>	ft	Comments _____
PZ-7B	<u>11.1</u>	ft	Comments _____
OW-C	<u>10.91</u>	ft	Comments _____
PZ-7D	<u>10.65</u>	ft	Comments _____
PW-8	<u>21.73</u>	ft	Comments _____
PZ-8A	<u>7.75</u>	ft	Comments _____
PZ-8B	<u>7.68</u>	ft	Comments _____
PZ-8C	<u>7.31</u>	ft	Comments _____
PZ-8D	<u>7.6</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 5/7/2007 9:15

Inspection personnel RC Becken

Other personnel on site E&E personnel

Weather Conditions sunny 53 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>8</u>	ft
PW-2	ON	(OFF)	<u>6</u>	ft
PW-3	ON	(OFF)	<u>7</u>	ft
PW-4	ON	(OFF)	<u>3</u>	ft
PW-5	(ON)	OFF	<u>5</u>	ft
PW-6	ON	(OFF)	<u>3</u>	ft
PW-7	(ON)	OFF	<u>9</u>	ft
PW-8	ON	(OFF)	<u>6</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 64.19 gpm

Influent Totalizer Reading 9899956 gallons

Sequestering agent drum level 33 in.

Amount of sequestering agent remaining 50 gallons

Sequestering agent feed rate 3.5 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 3 5 psi

Bag filter bottom pressure 0 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure _____ 29 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 3 inches H₂O

Air stripper r Pressure _____ 18 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 6 psi

Effluent flow rate _____ ~100 gpm

Effluent Totalizer reading _____ 35741373 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 64.5 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		11:20	6.5	3	56.6
Air stripper effluent		11:25	7.08	4	55
GAC influent	_____		NA	NA	
GAC effluent	_____		NA	NA	

Is there evidence of tampering/vandalism of wells? YES (NO)

Were manholes inspected? (YES) NO

Were electrical boxes inspected? YES (NO)

Is water present in any manholes or electrical boxes? (YES) NO

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

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

Other observations: _____

Agway _____

vacuum 12 _____

air pressure 105 psi _____

Bank 1 _____

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

SP-5 0 scfm SP-6 2.5 SP-7 2scfm SP-8 scfm _____

Describe any other system maintenance performed

Checked all manholes, all have water levels just below the force main pipe except the manholes on Whaley Ave. which the water level is just below the street base or approx. 12 inches below the street surface.

Signature Richard C. Becken

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

Date/Time 5/14/2007 9:00

Inspection personnel RC Becken

Other personnel on site _____

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

Influent Flow Rate 68.79 gpm

Influent Totalizer Reading 236485 gallons

Sequestering agent drum level 33 in.

Amount of sequestering agent remaining 50 gallons

Sequestering agent feed rate 5.5 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 5 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 _____ 29 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 3 inches H₂O

Air stripper r Pressure _____ 18 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 6 psi

Effluent flow rate _____ ~100 gpm

Effluent Totalizer reading _____ 35956466 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 63.1 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					
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 14 _____

air pressure 100 psi _____

Bank 1 _____

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

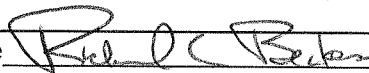
SP-5 0 scfm SP-6 2 SP-7 2scfm SP-8 scfm _____

Describe any other system maintenance performed

Changed filters.

The sequestering agent pump apparently lost it's prime as there was no significant change in the level of liquid in the drum. I reprimed the pump, shut down the system and checked the stripper trays all were fine except the bottom tray. I was unable to do anything about it today as I didn't have my pressure washer with me, but I increased the flow of sequestering agent to appr. 5 ml/min. this should help clean the bottom tray. I will have my pressure washer with me next Monday and will pressure wash the trays if needed.

Signature



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

Date/Time 5/21/2007 9:05

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions clear 52 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>6</u>	ft
PW-3	(ON)	OFF	<u>8</u>	ft
PW-4	(ON)	OFF	<u>8</u>	ft
PW-5	(ON)	OFF	<u>3</u>	ft
PW-6	ON	(OFF)	<u>5</u>	ft
PW-7	(ON)	OFF	<u>9</u>	ft
PW-8	(ON)	OFF	<u>7</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 75.08 gpm

Influent Totalizer Reading 568316 gallons

Sequestering agent drum level 23 in.

Amount of sequestering agent remaining ~37 gallons

Sequestering agent feed rate 3.5 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 8 13 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 _____ 29 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 3 inches H₂O

Air stripper r Pressure _____ 18 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 5 psi

Effluent flow rate _____ ~100 gpm

Effluent Totalizer reading _____ 36167635 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 61.5 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 14 _____

air pressure 120 psi _____

Bank 1 _____

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

SP-5 0 scfm SP-6 2 SP-7 2scfm SP-8 scfm _____

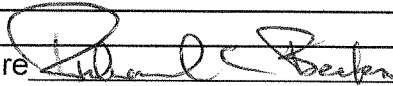
Describe any other system maintenance performed

Changed filters. _____

Lowered flow of sequestering agent to appr. 3.5 ml/min. _____

Checked interior of stripper tray, it looked good. _____

Signature _____



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

Date/Time 5/29/2007 8:50

Inspection personnel RC Becken

Other personnel on site _____

Weather Conditions clear 56 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>11</u>	ft
PW-2	ON	(OFF)	<u>7</u>	ft
PW-3	ON	(OFF)	<u>7</u>	ft
PW-4	(ON)	OFF	<u>5</u>	ft
PW-5	(ON)	OFF	<u>3</u>	ft
PW-6	ON	(OFF)	<u>5</u>	ft
PW-7	(ON)	OFF	<u>9</u>	ft
PW-8	ON	(OFF)	<u>7</u>	ft
Equalization tank			<u>4</u>	ft

Influent Flow Rate 29.92 gpm

Influent Totalizer Reading 939417 gallons

Sequestering agent drum level 12 in.

Amount of sequestering agent remaining 20 gallons

Sequestering agent feed rate 3.5 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 4 6 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 _____ 29 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 2.5 inches H₂O

Air stripper r Pressure _____ 16 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 5 psi

Effluent flow rate _____ ~100 gpm

Effluent Totalizer reading _____ 36405411 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 69.1 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					
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 14 _____

air pressure 100 psi _____

Bank 1 _____

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

SP-5 0 scfm SP-6 2 SP-7 2scfm SP-8 scfm _____

Describe any other system maintenance performed

Pressure washed stripper tray interior.

Removed plug in ceiling air intake.

Signature Richard C. Becker

Attachment B
Analytical Report from
Severn-Trent Laboratory

Analytical Data Package #A07-4849
Sampled: May 7, 2007

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#: A07-4849

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. Bogdlin
Project Manager

05/25/2007

STL Buffalo Current Certifications

As of 5/16/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA, NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	NELAP SDWA, CWA, RCRA	NY455
New York	NELAP AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	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>
A7484901	Effluent	WATER	05/07/2007	11:25	05/07/2007	12:10
A7484902	Influent	WATER	05/07/2007	11:20	05/07/2007	12:10

METHODS SUMMARY

Job#: A07-4849STL 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.

SDG NARRATIVE

Job#: A07-4849STL 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

A07-4849

Sample Cooler(s) were received at the following temperature(s); 5.5 °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	A7484901	Total Hardness	5.00	008
Influent	A7484902	8260	20.00	008
Influent	A7484902	Total Hardness	5.00	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

STL

DATA QUALIFIER PAGE

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

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit.
- * 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: A7484901
Date Collected: 05/07/2007
Time Collected: 11:25

Date Received: 05/07/2007
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
AQUEOUS-SW8463 8260 - TCL VOLATILES								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,1-Dichloroethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,1-Dichloroethene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,2-Dibromoethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,2-Dichloroethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,2-Dichloropropane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
2-Butanone	ND		5.0	UG/L	8260	05/08/2007	19:16	LH
2-Hexanone	ND		5.0	UG/L	8260	05/08/2007	19:16	LH
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	05/08/2007	19:16	LH
Acetone	ND		5.0	UG/L	8260	05/08/2007	19:16	LH
Benzene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Bromodichloromethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Bromoform	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Bromomethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Carbon Disulfide	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Carbon Tetrachloride	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Chlorobenzene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Chloroethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Chloroform	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Chloromethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Cyclohexane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Dibromochloromethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Dichlorodifluoromethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Ethylbenzene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Isopropylbenzene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Methyl acetate	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Methylcyclohexane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Methylene chloride	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Styrene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Tetrachloroethene	0.76	J	1.0	UG/L	8260	05/08/2007	19:16	LH
Toluene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Total Xylenes	ND		3.0	UG/L	8260	05/08/2007	19:16	LH
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Trichloroethene	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Trichlorofluoromethane	ND		1.0	UG/L	8260	05/08/2007	19:16	LH
Vinyl chloride	ND		1.0	UG/L	8260	05/08/2007	19:16	LH

Date: 05/25/2007

Time: 11:28:02

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

Sample ID: Effluent
Lab Sample ID: A7484901
Date Collected: 05/07/2007
Time Collected: 11:25

Date Received: 05/07/2007
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection	Units	Method	Date/Time		Analyst
			Limit			Analized		
Wet Chemistry Analysis								
pH	8.55		0.500	s.U.	150.1	05/08/2007	08:19	LRM
Total Hardness	599		10	MG/L	130.2	05/10/2007	09:39	LRM

Sample ID: Influent
Lab Sample ID: A7484902
Date Collected: 05/07/2007
Time Collected: 11:20

Date Received: 05/07/2007
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								
1,1,1-Trichloroethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,1,2,2-Tetrachloroethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,1,2-Trichloroethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,1-Dichloroethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,1-Dichloroethene	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,2,4-Trichlorobenzene	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,2-Dibromo-3-chloropropane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,2-Dibromoethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,2-Dichlorobenzene	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,2-Dichloroethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,2-Dichloropropane	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,3-Dichlorobenzene	ND		20	UG/L	8260	05/08/2007	19:38	LH
1,4-Dichlorobenzene	ND		20	UG/L	8260	05/08/2007	19:38	LH
2-Butanone	ND		100	UG/L	8260	05/08/2007	19:38	LH
2-Hexanone	ND		100	UG/L	8260	05/08/2007	19:38	LH
4-Methyl-2-pentanone	ND		100	UG/L	8260	05/08/2007	19:38	LH
Acetone	ND		100	UG/L	8260	05/08/2007	19:38	LH
Benzene	ND		20	UG/L	8260	05/08/2007	19:38	LH
Bromodichloromethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
Bromoform	ND		20	UG/L	8260	05/08/2007	19:38	LH
Bromomethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
Carbon Disulfide	ND		20	UG/L	8260	05/08/2007	19:38	LH
Carbon Tetrachloride	ND		20	UG/L	8260	05/08/2007	19:38	LH
Chlorobenzene	ND		20	UG/L	8260	05/08/2007	19:38	LH
Chloroethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
Chloroform	ND		20	UG/L	8260	05/08/2007	19:38	LH
Chloromethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
cis-1,2-Dichloroethene	12	J	20	UG/L	8260	05/08/2007	19:38	LH
cis-1,3-Dichloropropene	ND		20	UG/L	8260	05/08/2007	19:38	LH
Cyclohexane	ND		20	UG/L	8260	05/08/2007	19:38	LH
Dibromochloromethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
Dichlorodifluoromethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
Ethylbenzene	ND		20	UG/L	8260	05/08/2007	19:38	LH
Isopropylbenzene	ND		20	UG/L	8260	05/08/2007	19:38	LH
Methyl acetate	ND		20	UG/L	8260	05/08/2007	19:38	LH
Methyl-t-Butyl Ether (MTBE)	ND		20	UG/L	8260	05/08/2007	19:38	LH
Methylcyclohexane	ND		20	UG/L	8260	05/08/2007	19:38	LH
Methylene chloride	ND		20	UG/L	8260	05/08/2007	19:38	LH
Styrene	ND		20	UG/L	8260	05/08/2007	19:38	LH
Tetrachloroethene	1600		20	UG/L	8260	05/08/2007	19:38	LH
Toluene	ND		20	UG/L	8260	05/08/2007	19:38	LH
Total Xylenes	ND		60	UG/L	8260	05/08/2007	19:38	LH
trans-1,2-Dichloroethene	ND		20	UG/L	8260	05/08/2007	19:38	LH
trans-1,3-Dichloropropene	ND		20	UG/L	8260	05/08/2007	19:38	LH
Trichloroethene	54		20	UG/L	8260	05/08/2007	19:38	LH
Trichlorofluoromethane	ND		20	UG/L	8260	05/08/2007	19:38	LH
Vinyl chloride	ND		20	UG/L	8260	05/08/2007	19:38	LH

Date: 05/25/2007

Time: 11:28:02

Ecology and Environment NYSDEC Standby

Mr. C's Site-002700.DC02

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Rept: AN1178

Sample ID: Influent

Lab Sample ID: A7484902

Date Collected: 05/07/2007

Time Collected: 11:20

Date Received: 05/07/2007

Project No: NY5A9393.3

Client No: 397714

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Wet Chemistry Analysis								
pH	7.46		0.500	S.U.	150.1	05/08/2007	08:19	LRM
Total Hardness	530		10	MG/L	130.2	05/10/2007	09:39	LRM

Batch Quality Control Data

Date: 05/25/2007 11:29:20
 Batch No: A7B07143

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A7492202 A7492202MS A7492202SD

Analyte	Units of Measure	Sample	Concentration		% Recovery		Spike Amount MSD	MS	MSD	Avg	% RPD	QC LIMITS	
			Matrix Spike	Spike Duplicate	MS	MSD						RPD	REC.
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	MG/L	144.3	231.3	221.9	87	78	100.0	100.0	83	11	15.0	74-130	

1325

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

Lab Sample ID: A7492302 A7492302MS A7492302SD

Analyte	Units of Measure	Sample	Concentration		Spike Amount		% Recovery			QC LIMITS		
			Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	AVG	% RPD	RPD	REC.
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	MG/L	228.3	280.6	283.3	100.0	100.0	52 *	55 *	54	6	15.0	74-130

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

Chronology and QC
Summary Package

Client ID	Lab ID	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Job No	VBLK91		ND	5.0	NA		NA	
Sample Date	A07-4849		ND	1.0	NA		NA	
		UG/L	ND	1.0	NA		NA	
Analyte		UG/L	ND	1.0	NA		NA	
Acetone		UG/L	ND	1.0	NA		NA	
Benzene		UG/L	ND	1.0	NA		NA	
Bromodichloromethane		UG/L	ND	1.0	NA		NA	
Bromoform		UG/L	ND	1.0	NA		NA	
Bromomethane		UG/L	ND	5.0	NA		NA	
2-Butanone		UG/L	ND	1.0	NA		NA	
Carbon Disulfide		UG/L	ND	1.0	NA		NA	
Carbon Tetrachloride		UG/L	ND	1.0	NA		NA	
Chlorobenzene		UG/L	ND	1.0	NA		NA	
Chloroethane		UG/L	ND	1.0	NA		NA	
Chloroform		UG/L	ND	1.0	NA		NA	
Chloromethane		UG/L	ND	1.0	NA		NA	
Cyclohexane		UG/L	ND	1.0	NA		NA	
1,2-Dibromoethane		UG/L	ND	1.0	NA		NA	
Dibromochloromethane		UG/L	ND	1.0	NA		NA	
1,2-Dibromo-3-chloropropane		UG/L	ND	1.0	NA		NA	
1,2-Dichlorobenzene		UG/L	ND	1.0	NA		NA	
1,3-Dichlorobenzene		UG/L	ND	1.0	NA		NA	
1,4-Dichlorobenzene		UG/L	ND	1.0	NA		NA	
1,1-Dichloroethane		UG/L	ND	1.0	NA		NA	
1,2-Dichloroethane		UG/L	ND	1.0	NA		NA	
1,1-Dichloroethene		UG/L	ND	1.0	NA		NA	
cis-1,2-Dichloroethene		UG/L	ND	1.0	NA		NA	
trans-1,2-Dichloroethene		UG/L	ND	1.0	NA		NA	
1,2-Dichloropropane		UG/L	ND	1.0	NA		NA	
cis-1,3-Dichloropropene		UG/L	ND	1.0	NA		NA	
trans-1,3-Dichloropropene		UG/L	ND	1.0	NA		NA	
Ethylbenzene		UG/L	ND	5.0	NA		NA	
2-Hexanone		UG/L	ND	1.0	NA		NA	
Isopropylbenzene		UG/L	ND	1.0	NA		NA	
Methyl acetate		UG/L	ND	1.0	NA		NA	
Methylcyclohexane		UG/L	ND	1.0	NA		NA	
Methylene chloride		UG/L	ND	1.0	NA		NA	
4-Methyl-2-pentanone		UG/L	ND	5.0	NA		NA	
Methyl-t-Butyl Ether (MTBE)		UG/L	ND	1.0	NA		NA	
Styrene		UG/L	ND	1.0	NA		NA	
1,1,2,2-Tetrachloroethane		UG/L	ND	1.0	NA		NA	
Tetrachloroethene		UG/L	ND	1.0	NA		NA	
Toluene		UG/L	ND	1.0	NA		NA	
1,2,4-Trichlorobenzene		UG/L	ND	1.0	NA		NA	
1,1,1-Trichloroethane		UG/L	ND	1.0	NA		NA	
1,1,2-Trichloroethane		UG/L	ND	1.0	NA		NA	

Client ID	Lab ID	VBLK91 A07-4849	A7B0696802	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
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	NA		NA		NA	
Trichloroethene	UG/L	ND	1.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	1.0	NA		NA		NA	
Total Xylenes	UG/L	ND	3.0	NA		NA		NA	
---IS/SURROGATE(S)---									
Chlorobenzene-D5	%	98	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	98	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	85	50-200	NA		NA		NA	
Toluene-D8	%	99	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	99	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	95	66-137	NA		NA		NA	

Client ID	Lab ID	Method Blank	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Job No		A07-4849	ND	2.0	NA		NA	
Sample Date		A7B0714302						
Analyte	Units							
Total Hardness	MG/L							

Client Sample ID: VBLK91
 Lab Sample ID: A7B0696802

MSB91
 A7B0696801

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	24.1	25.0	97	71-147
Trichloroethene	UG/L	24.7	25.0	99	71-120
Benzene	UG/L	24.2	25.0	97	79-121
Toluene	UG/L	25.0	25.0	100	69-120
Chlorobenzene	UG/L	25.0	25.0	100	79-118

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

Client sample ID: Method Blank LCS
 Lab sample ID: A7B0714302 A7B0714301

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery Blank Spike	QC LIMITS
		Blank Spike				
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	MG/L	244.1		250.0	98	90-110

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

SAMPLE CHRONOLOGY

METHOD 8260 - TCL VOLATILE ORGANICS

Job No & Lab Sample ID	Client Sample ID	Effluent	Influent
	A07-4849 A7484901	A07-4849 A7484902	
Sample Date	05/07/2007 11:25	05/07/2007 11:20	
Received Date	05/07/2007 12:10	05/07/2007 12:10	
Extraction Date			
Analysis Date	05/08/2007 19:16	05/08/2007 19:38	
Extraction HT Met?	YES	YES	
Analytical HT Met?	WATER	WATER	
Sample Matrix	1.0	20.0	
Dilution Factor	0.005	0.005	
Sample wt/vol	LITERS	LITERS	
% Dry			

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab sample ID	VBLK91 A07-4849 A7B0696802			
Sample Date Received Date Extraction Date Analysis Date Extraction HI Met? Analytical HI Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	05/08/2007 11:28 - - - WATER 1.0 0.005 LITERS			

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Date: 05/25/2007 11:28
 Job No: A07-4849

MR. C'S SITE-002700.DC02
 SAMPLE CHRONOLOGY

Rept: AN1250
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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
										H		INI	H
A7484901	Effluent	RECNY	pH	150.1	1.0		05/07/07 11:25	05/07 12:10	NA		05/08 08:19	LRM	Y
		RECNY	Total Hardness	130.2	5.0		05/07/07 11:25	05/07 12:10	NA		05/10 09:39	LRM	Y
A7484902	Influent	RECNY	pH	150.1	1.0		05/07/07 11:20	05/07 12:10	NA		05/08 08:19	LRM	Y
		RECNY	Total Hardness	130.2	5.0		05/07/07 11:20	05/07 12:10	NA		05/10 09:39	LRM	Y

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STL Buffalo

ANL INI = Analyst Initials
 DF = Dilution Factor

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

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	Matrix
A780714302	Method Blank	RECNY	Total Hardness	130.2	1.0		-	-	NA		05/10 09:39	LRM	Y WATER

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STL Buffalo

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

