ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER
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July 10, 2006

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

Re: Mr. C's Dry Cleaners Site, Contract # D003493-27.5, Site # 9-15-157
June 2006 Operations, Maintenance, and Monitoring Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide this June 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 from EEEPC's subcontractor O&M Enterprises, Inc. (OMEI) are provided as Attachment A. Selected pages from the individual analytical data packages prepared by Severn - Trent Laboratories (STL) is provided as Attachment B. All analytical results for the report were analyzed at the lowest detection limits in accordance with the standard method. Remedial treatment system utility costs are provided as Attachment C.

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

Operational Summary

- The treatment system was operational for 98.50% of the period between 5/31/06 and 7/3/06. 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 June 2006 indicate that approximately 1,092,786 gallons of groundwater were processed through the treatment system for the period 5/30/06 and 7/3/06. Table 2 provides a summary of groundwater volume treated since system start-up. Historical volumes are based on totalizer readings provided by the O&M subcontractor's weekly inspection forms.
- Filters in the influent bag filter unit were replaced during weekly inspections on 6/26/06.

- Checklists for weekly system inspections from OMEI are provided as Attachment A for 5/31/06, 6/5/06, 6/19/06, 6/26/06 and 7/3/06. Weekly system checks indicated that the air stripper differential pressure was between 2.5 and 3.5 inches of water during the month of June 2006.
- The feed rate for the sequestering agent is 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.
- Pressure washing was performed on the stripper trays via access ports on June 26, 2006 based on a 3 month maintenance interval. A decrease in influent flow to approximately 22.43 gpm is a result of reduced inflow to the system.
- The Agway/Matrix system remains in operation since start up occurred in April 2005. OMEI continues to review the system operations on a weekly basis. The air sparge system continues to be functional except four out of the eight injection points cannot inject air to the lower injection zones. Pressure is still provided throughout the distribution system and to the individual heads, but air cannot be injected due to blockage below grade. No repairs are anticipated at the present time.
- The month of June 2006 report for the Agway site is as follows: The vacuum pressure on the air sparge / vapor extraction treatment system maintained 13-14 inches of water vacuum and ranged between 100 and 120 pounds per square inch of air pressure. 4 out of the 8 sparge points were injecting an average of 2.16 standard CFM of air to the remaining operational sparge points. The system remains operational pending further NYSDEC review.
- The pump in Recovery Well RW-1 was experiencing variances in electrical amperage to the pump motor on June 5, 2006. As a result, a licensed electrician is being retained to check the service.
- All manholes along Whaley Avenue (Force Main – 3 manholes) were checked for the presence of water. Water was present in each manhole and no significant odor of BETX or volatile organic compounds noted. On June 16, 2006 each manhole was pumped dry and placed into a vac truck. The liquid were then transferred to the on-site equalization tank inside the treatment facility for processing.
- A replacement motor for the pump in Recovery Well RW-1 was installed on June 16, 2006.
- Post installation mitigation system air monitoring was performed at the Presbyterian Church and 27 Whaley Avenue on Monday, June 26, 2006. Results and reporting of results to be provided to NYSDEC and NYSDOH in the middle of July 2006.
- Air sampling was also performed on the Agway system exhaust on June 26, 2006. The sampling was performed to evaluate the amount of cVOVs were being emitted as a result of the AS/SVE system installed by Matrix in 2000. Report to be prepared and submitted to NYSDEC in the middle of July 2006.
- A copy of the site utility costs from EEEPC operations from December 2004 to June 2006 are provided as Attachment C.

Analytical Summary – Groundwater

- EEEPC and OMEI personnel collected samples of influent and effluent groundwater for the reporting period 5/31/06 to 7/3/06 on June 5, 2006 as part of the normal weekly O&M services. Overall cleanup efficiency for the June 2006 reporting period was 99.90%. The analytical results for the June 5, 2006 sampling event are presented in Table 3.

- The June 2006 monthly analytical results indicate that the treated groundwater effluent remains below the site specific Effluent Discharge Limitation Requirements for all compounds.

- Approximately 18.17 pounds of VOCs were removed from the influent groundwater based on calculations using the effluent discharge analytical results during the reporting period. A summary of the calculated pounds of VOC's by month and by date are located in Table 5. These values are calculated based on effluent totalizer readings and assumes that non-detect values given in the analytical data package = 0 μg/L and that the monthly samples are indicative of the influent characteristics and system performance for the entire reporting period.

If you have any questions regarding the June 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
W. Welling, NYSDEC – Albany w/ attachments
R. Becken, O&M Enterprises w/ attachments
D. Miller, E&E-Buffalo w/ attachments
CTF- 002700.DC02.01 (formerly000699.NY06.050

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%
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%

Average Operational Up-time = 98.82%

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

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

Month	Actual Period	Gallons
September 2002[1]	9/5/02 - 10/2/02	4,362,477
October 2002[1]	10/2/02 - 11/4/02	4,290,429
November 2002[1]	11/4/02 - 12/2/02	3,326,126
December 2002[1]	12/2/02 - 1/7/03	3,349,029
January 2003[1]	1/7/03 - 2/3/03	1,973,144
February 2003[1]	2/3/03 - 3/10/03	2,158,771
March 2003[1]	3/10/03 - 4/7/03	3,263,897
April 2003[1]	4/7/03 - 5/2/03	2,574,928
May 2003[1]	5/2/03 - 6/2/03	1,652,538
June 2003[1]	6/2/03 - 6/30/03	2,002,990
July 2003[1]	6/30/03 - 7/29/03	2,543,978
August 2003[1]	7/29/03 - 8/25/03	2,042,424
September 2003[1]	8/25/03 - 10/22/03	370,446
October 2003[2]	10/22/03 - 10/29/03	67,424
November 2003[2]	10/29/03 - 11/25/03	224,278
December 2003[2]	11/25/03 - 12/29/03	1,496,271
January 2004[2]	12/29/03 - 01/26/04	688,034
February 2004[2]	01/26/04 - 02/24/04	736,288
March 2004[2]	02/24/04 - 03/29/04	2,164,569
April 2004[2]	03/29/04 - 04/26/04	1,741,730
May 2004[2]	4/26/2004 - 5/24/2004	1,408,095
June 2004[2]	5/24/2004 - 6/21/2004	972,132
July 2004[2]	6/22/2004 - 7/26/2004	1,858,790
August 2004[2]	7/27/04 - 8/23/04	1,289,960
September 2004[2]	8/23/04 - 9/27/04	1,201,913
October 2004[2]	9/27/04 - 10/25/04	937,560
November 2004[2]	10/25/04 - 11/23/04	1,098,158
December 2004[2]	11/23/04 - 12/27/04	1,556,063
January 2005[2]	12/27/04 - 1/31/05	1,798,238
February 2005[2]	1/31/05 -2/28/05	1,271,562
March 2005[2]	2/28/05 - 4/4/05	1,295,692
April 2005[2]	4/4/05 - 5/2/05	1,652,510
May 2005[2]	5/2/05 - 6/6/05	1,423,099
June 2005[2]	6/6/05 - 7/6/05	877,988
July 2005[2]	7/6/05 - 8/1/05	1,283,302
August 2005[2]	8/1/05 - 8/29/05	1,443,195
September 2005[2]	8/29/05 - 10/3/05	1,591,248
October 2005[2]	10/3/05 - 10/31/05	1,204,074
November 2005[2]	10/31/05 - 11/28/05	1,038,170
December 2005[2]	11/28/05 - 1/3/06	1,182,854
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
Total Gallons Treated To Date:		**75,844,317**

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

Parameter/Analyte	Daily Maximum[1]	Units	June 5, 2006 Effluent Analytical Values - Compliance
Flow	216,000	gpd	30,287 gpd [6]
pH	6.0 - 9.0	standard units	8.3
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	0.95 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	0.47 BJ
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND (<1.0)
o-Xylene[3]	5	µg/L	NA
m, p-Xylene[3]	10	µg/L	NA
Total Xylenes	NA	ug/L	ND (<3.0)
Iron, total	600	µg/L	NA
Aluminum	4,000	µg/L	NA
Copper	48	µg/L	NA
Lead	11	µg/L	NA
Manganese	2,000	µg/L	NA
Silver	100	µg/L	NA
Vanadium	28	µg/L	NA
Zinc	230	µg/L	NA
Total Dissolved Solids	850	mg/L	NA
Total Suspended Solids	20	mg/L	NA
Hardness	N/A	mg/l	471
Cyanide, Free	10	µg/L	NA

NOTES:
1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents.
2. Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
3. Shaded cells indicate that analytical value exceeds the "Daily Maximum"
4. "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
5. "NA" indicates that analyses were not performed and data is unavailable.
6. Average flows based on effluent readings taken May 31, 2006 through July 3, 2006. Total gallons: 1,092,786 divided by 34 operating days.
7. "J" indicates an estimated value below the detection limit.
8. "B" indicates analyte found in the associated blank.

15 Indicates non-compliance with the NYSDEC effluent discharge requirements

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
June 2006 VOC Analytical Summary

Compound	June 5, 2006				
	Influent Concentration* (ug/L)		Effluent Concentration* (ug/L)		Cleanup Efficiency (%)
Acetone	ND (<100)		ND(<1.0)		NA
Benzene	ND (<20)		ND(<1.0)		NA
2-Butanone	ND (<100)		ND (<5.0)		NA
cis-1, 2-Dichloroethene	12 (<20)	J	ND(<1.0)		100%
Methylene chloride	ND (<20)	J	ND(<1.0)		100%
Methyl tert-butyl ether	12 (<20)		ND(<1.0)		NA
Tetrachloroethene	1900	D	0.95	J	99.93%
Toluene	16	DBJ	0.47	BJ	16.07%
Trichloroethene	54	D	ND(<1.0)		100%
Total Xylenes	ND (<60)		ND (<3.0)	J	NA
June TOTAL (in ug/L) =	**1994**		**1.4**		**99.93%**

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

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
September 2002[6]	9/5/02 - 10/2/02	1297	1	47.2
October 2002[6]	10/2/02 - 11/4/02	2000	1	71.6
November 2002[6]	11/4/02 - 12/2/02	1685	0	46.8
December 2002[6]	12/2/02 - 1/7/03	1586	9	44.1
January 2003[6]	1/7/03 - 2/3/03	1803	10	29.5
February 2003[6]	2/3/03 - 3/10/03	1985	3	35.7
March 2003[6]	3/10/03 - 4/7/03	1990	5	54.1
April 2003[6]	4/7/03 - 5/2/03	1656	3	35.5
May 2003[6]	5/2/03 - 6/2/03	1623	7	22.3
June 2003[6]	6/2/03 - 6/30/03	5787	6	96.6
July 2003[6]	6/30/03 - 7/29/03	1356	1	28.8
August 2003[6]	7/29/03 - 8/25/03	1263	3	21.5
September 2003[6]	8/25/03 - 10/22/03	1263	3	3.9
October 2003[7]	10/22/03 - 10/29/03	1693.69	1.47	1.0
November 2003[7]	10/29/03 - 11/25/03	2510.83	4.4	4.7
December 2003[7]	11/25/03 - 12/29/03	503.3	10.5	6.2
January 2004[7]	12/29/03 - 01/26/04	3667	15.8	21.0
February 2004[7]	01/26/04 - 02/24/04	3348.6	26.7	20.4
March 2004[7]	02/24/04 - 03/29/04	1939.3	4.96	34.9
April 2004[7]	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004[7]	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004[7]	5/24/2004 - 6/21/2004	1454	1.7	22.5
July 2004[7]	6/22/2004 - 7/26/2004	1313	3.6	20.3
August 2004[7]	7/27/04 - 8/23/04	2305	7.4	24.7
September 2004[7]	8/23/04 - 9/27/04	1453	6.7	14.5
October 2004[7]	9/27/04 - 10/25/04	1504	14.3	11.7
November 2004[7]	10/25/04- 11/23/04	1480	36.42	13.2
December 2004[7, 8]	11/23/04 - 12/27/04	1562	132.21	18.6
January 2005[7]	12/27/04 - 1/31/05	1264	47.5	18.3
February 2005[9]	1/31/05 - 2/28/05	1538	53.2	15.8
March 2005[9]	2/28/05 - 4/4/05	931	56.0	9.5
April 2005[9]	4/4/05 - 5/2/05	1269	111.7	15.96
May 2005[9]	5/2/05 - 6/6/05	1431	319.0	13.20
June 2005[9]	6/6/05 - 7/6/05	1126	12	8.16
July 2005[9]	7/6/05 - 8/1/05	1575	5.90	16.80
August 2005[9]	8/1/05 - 8/29/05	1359	51.26	15.70
September 2005[9]	8/29/05 - 10/3/05	1239	0.47	16.50
October 2005[9]	10/3/05 - 10/31/05	1454	0.81	14.60
November 2005[9]	10/31/05 - 11/28/05	2266	6.80	18.17
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
	Total pounds of VOCs removed from inception =			1037.04

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 June 5, 2006:
Pounds of VOCs removed calculated by the following formula:

(1994 ug/L- 1.4ug/L)(1g/10^6 ug)*(1 lb/453.5924 g)*1,092,786 gallons*(3.785 L/gallon) ~ 18.17 lbs*

where 1,092,786 gallons is the monthly process water volume.

Attachment A
OMEI Weekly Inspection Reports
June 2006

Including:

5/31/06

6/5/06

6/19/06

6/26/06

7/3/06

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

Date/Time 6/5/2006 9:00

Inspection personnel R C Becken

Other personnel on site

Weather Conditions clear 66 degrees

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

Provide water level readings on control panel

RW-1	(ON)	OFF	4	ft
PW-2	ON	(OFF)	5	ft
PW-3	ON	(OFF)	7	ft
PW-4	ON	(OFF)	5	ft
PW-5	ON	(OFF)	5	ft
PW-6	ON	(OFF)	3	ft
PW-7	(ON)	OFF	9	ft
PW-8	ON	(OFF)	6	ft
	Equalization tank		4	ft

Influent Flow Rate 51.38 gpm

Influent Totalizer Reading 2719025 gallons

Sequestering agent drum level ~12 in.

Amount of sequestering agent remaining ~17 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 0 5 psi

Bag filter bottom pressure 0 0 psi

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

Influent feed pump in use #1 (#2)

Influent Pump Pressure 26 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 2.5 inches H_2O

Air stripper Pressure 17.5 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 7 psi

Effluent flow rate 116.1 gpm

Effluent Totalizer reading 25386161 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 70.7 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		1:20	7.33	3.05	57.2
Air stripper effluent		1:30	8.15	3.19	60.5
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 pressur re100 psi

Bank 1
SP-1 1 scfm SP-2 2 scfm SP-3 2.5 scfm SP-4 0 4 0 scfm

SP-5 0 scfm SP-6 3.5scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

The pump in RW-1 sent out an overload alarm while I was on site. I changed out the pump putting in the spare. When the pump was turned on it overloaded after running approximately one minute I reset the overload protector then it ran fine. I checked the ampreage and found 5.5, 12.5, and 17.4 amps far too many amps. After discussion with Mr. Steffan it was decided that I may call in an electrician to solve the problem. When I left the site the pump had been operational for appr. 3 hours without overloading.

Signature

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

Date 6/5/2006 Measurements taken by _____

RW-1	24.78	ft	Comments	
PZ-1A	12.21	ft	Comments	
PZ-1B	11.87	ft	Comments	
PZ-1C	132.02	ft	Comments	
PZ-1D	13.15	ft	Comments	
PW-2	24.31	ft	Comments	
PZ-2A	11.72	ft	Comments	
PZ-2B		ft	Comments	truck parked on well
PZ-2C	11.62	ft	Comments	
PZ-2D		ft	Comments	
PW-3	17	ft	Comments	
PZ-3A	12.15	ft	Comments	
PZ-3B	12.2	ft	Comments	
PZ-3C	12.71	ft	Comments	
PZ-3D	12.26	ft	Comments	
PW-4	22.15	ft	Comments	
PZ-4A	12.26	ft	Comments	
PZ-4B	11.7	ft	Comments	
PZ-4C	11.83	ft	Comments	
PZ-4D	11.19	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 6/5/2006 Measurements taken by _____

PW-5	18.11 ft	Comments	
PZ-5A	11.2 ft	Comments	
PZ-5B	11.47 ft	Comments	
PZ-5C	11.04 ft	Comments	
PZ-5D	11.87 ft	Comments	
PW-6	17.81 ft	Comments	
PZ-6A	12.12 ft	Comments	
PZ-6B	11.98 ft	Comments	
PZ-6C	12.31 ft	Comments	
PZ-6D	11.86 ft	Comments	
PW-7	17.16 ft	Comments	
MPI6S	11.58 ft	Comments	
PZ-7B	12.11 ft	Comments	
OWC	11.8 ft	Comments	
PZ-7D	11.62 ft	Comments	
PW-8	20.1 ft	Comments	
PZ-8A	8.71 ft	Comments	
PZ-8B	8.63 ft	Comments	
PZ-8C	8.22 ft	Comments	
PZ-8D	8.51 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 6/12/2006 9:00

Inspection personnel R C Becken

Other personnel on site Ferguson Electric employee Joe Nelson

Weather Conditions overcast 61 degrees

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

Provide water level readings on control panel

RW-1	(ON)	OFF	4	ft
PW-2	ON	(OFF)	6	ft
PW-3	ON	(OFF)	4	ft
PW-4	ON	(OFF)	7	ft
PW-5	(ON)	OFF	8	ft
PW-6	ON	(OFF)	5	ft
PW-7	(ON)	OFF	9	ft
PW-8	(ON)	OFF	5	ft
	Equalization tank		4	ft

Influent Flow Rate 47.39 gpm

Influent Totalizer Reading 3096712 gallons

Sequestering agent drum level ~10 in.

Amount of sequestering agent remaining ~15 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 10 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 26 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 3 inches H_2O

Air stripper Pressure 16 inches H_2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 5 psi

Effluent flow rate 83.8 gpm

Effluent Totalizer reading 25607974 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 65.8 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 pressur re115 psi

Bank 1
SP-1 0 scfm SP-2 3.5 scfm SP-3 3.5 scfm SP-4 (4 0 scfm

SP-5 0 scfm SP-6 3.5scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

Changed filters.
RW-1 manhole water is 12" from the forcemain pipe.
PW-2 and PW-3 manhole the water is appr. 16" from the bottom of the forcemain pipe.
PW-4 and PW-5 the water is at the bottom of the forcemain pipe.
PW-6 and PW-7 the water is at the bottom of the forcemain pipe.
PW-8 manhole the water is touching the bottom of the forcemain pipe.
All electrical boxes were dry.
The manhole at the corner of Fillmore and Whaley is full of water.
The manhole at the corner of Ridge and Whaley has appr. 3 feet of water in it.

Signature

SERVICE REPORT

ferguson electric
your connection to quality

FERGUSON ELECTRIC SERVICE CO., INC.

321 Ellicott Street Buffalo, NY 14203 (716) 853-3321

COVERAGE CODE	SERVICE CALL I.D.	AGR/JOB/ACCT.#	EMPLOYEE #
		U12748	987

CUSTOMER CONTACT	SERVICE PERFORMED MONTH	DAY	YEAR	PAY PERIOD ENDING MONTH	DAY	YEAR
Rich Becker	06	12	06	06	18	06

SERVICE COMPLETE? Y / N — CERTIFIED TEGG ELECTRICIAN/ TECHNICIAN SIGNATURE: Roger P Nelson

Providing the Finest in Electrical Services

TEGG SERVICE

	LABOR AND MILEAGE AGREEMENT P.M./URGENT	LABOR AND MILEAGE EXTRA	EXPENSES AGREEMENT	EXPENSES EXTRA
REGULAR TIME	2.0			
OVERTIME				
PREM. TIME				
MILES/KM	32			

JOB NAME AND LOCATION: Mr "C" Cleaners, 586 MAIN ST

URGENT CALL AND EXTRA ONLY

CUSTOMER AUTHORIZATION OR P.O. NUMBER: OEM ENTERPRISES

ATTENTION TO: 7134 Marigold Dr. North Tonawanda, NY 120

CUSTOMER AUTHORIZATION TO PERFORM WORK/ CUSTOMER SIGNATURE: X CHECK IN

REASON FOR CALL: ☒ URGENT ☐ PROJECT ☐ PREVENTIVE MAINTENANCE ☐ WARRANTY ☐ START-UP ☐ POWER OUT ☐ LIGHTING ☐ ELECTRICAL SYSTEMS ANALYSIS ☐ POWER QUALITY ANALYSIS ☐ OTHER: _____

TYPE OF VEHICLE: ☒ SERVICE VAN ☐ BUCKET TRUCK ☐ DIGGER TRUCK ☐ LADDER TRUCK ☐ OTHER: _____

ARC FLASH HAZARD ANALYSIS

1. Is there a shock and arc/flash hazard potential? ☐ Yes ☒ No
2. If yes, can the equipment be de-energized? ☐ Yes ☐ No
3. If no, referencing the NFPA 70e, determine PPE requirements? ☐ Class 2 ☐ 2* ☐ Class 4
4. Is Barrier Protection established to restrict access and remind qualified personnel of hazards? ☐ Yes
5. Did you communicate these hazards to the crew? ☐ Yes

DESCRIPTION OF WORK

Pump ckt 3ϕ Tripping. Customer changed motor & was operating. OLd pump motor had nylon wrapped Around shaft. Shaft sized. Customer did not want Motor Meggered.

EQUIPMENT AND MATERIALS

1	DESCRIPTION	2	QUANTITY	PO #
	N/A			

THANK YOU FOR YOUR BUSINESS.

[1] X = EXTRA WORK; A = AGREEMENT WORK [2] SOURCE: I=INVENTORY; P=PURCHASE ORDER; C=CASH SLIP

RECOMMENDED ADDITIONAL WORK:

ADDITIONAL WORK: ☐ AUTHORIZED ☐ DECLINED ☐ NEED ESTIMATE CUSTOMER SIGNATURE:

ACKNOWLEDGEMENT OF SERVICE/ CUSTOMER SIGNATURE: X CHECK OUT

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

Date/Time 6/19/2006 9:00

Inspection personnel R C Becken

Other personnel on site Green Environmental employees

Weather Conditions rain 67 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	8	ft
PW-2	ON	(OFF)	4	ft
PW-3	ON	(OFF)	5	ft
PW-4	ON	(OFF)	6	ft
PW-5	(ON)	OFF	5	ft
PW-6	ON	(OFF)	3	ft
PW-7	(ON)	OFF	9	ft
PW-8	ON	(OFF)	5	ft
	Equalization tank		4	ft

Influent Flow Rate 12.1 gpm

Influent Totalizer Reading 3490625 gallons

Sequestering agent drum level ~3 in.

Amount of sequestering agent remaining <5 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 1 psi

Bag filter top pressure 0 5 psi

Bag filter bottom pressure 0 0 psi

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

Influent feed pump in use #1 (#2)

Influent Pump Pressure 26 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 3 inches H_2O

Air stripper Pressure 17 inches H_2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 5 psi

Effluent flow rate 84.9 gpm

Effluent Totalizer reading 25840840 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 75.3 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 pressur re120 psi

Bank 1
SP-1 0 scfm SP-2 3 3.0scfm 4 0 scfm

SP-5 0 scfm SP-6 3.0scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

Changed sequestering agent drum. Pumped water out of all manholes and run run water through the treatment system.
Received a new motor for RW-1 well installed the motor on the pump which was removed from RW-1 two weeks ago.

Signature

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

Date/Time 6/26/2006 9:00

Inspection personnel R C Becken

Other personnel on site Dave Symanski NYDEC

Weather Conditions overcast 72 degrees

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

Provide water level readings on control panel

RW-1	(ON)	OFF	6	ft
PW-2	ON	(OFF)	4	ft
PW-3	ON	(OFF)	5	ft
PW-4	ON	(OFF)	6	ft
PW-5	(ON)	OFF	8	ft
PW-6	ON	(OFF)	5	ft
PW-7	(ON)	OFF	9	ft
PW-8	ON	(OFF)	4	ft
	Equalization tank		4	ft

Influent Flow Rate 64.9 gpm

Influent Totalizer Reading 3490625 gallons

Sequestering agent drum level ~34 in.

Amount of sequestering agent remaining ~51 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 18 24 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 26 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 3 inches H_2O

Air stripper Pressure 17 inches H_2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 10 psi

Effluent flow rate 115.4 gpm

Effluent Totalizer reading 26058960 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 77.7 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 pressur re 120 psi

Bank 1
SP-1 0 scfm SP-2 3 scfm SP-3 3 scfm SP-4 0 s(4 0 scfm

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

Describe any other system maintenance performed

Changed filters, Pressure washed the stripper trays.

Signature

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

Date/Time 7/03/2006 9:00

Inspection personnel R C Becken

Other personnel on site

Weather Conditions overcast 73 degrees

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

Provide water level readings on control panel

RW-1	(ON)	OFF	9	ft
PW-2	ON	(OFF)	5	ft
PW-3	ON	(OFF)	6	ft
PW-4	(ON)	OFF	7	ft
PW-5	(ON)	OFF	4	ft
PW-6	ON	(OFF)	7	ft
PW-7	(ON)	OFF	8	ft
PW-8	(ON)	OFF	8	ft
	Equalization tank		4	ft

Influent Flow Rate 14.65 gpm

Influent Totalizer Reading 4233295 gallons

Sequestering agent drum level ~26 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 5 5 psi

Bag filter bottom pressure 0 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure 25 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 3.5 inches H_2O

Air stripper Pressure 18 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 7 psi

Effluent flow rate 121 gpm

Effluent Totalizer reading 26276660 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 79.4 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		10:45	7.1	1.67	59.7
Air stripper effluent		10:55	8.04	0	63.1
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 3"
air pressur re 120 psi

Bank 1
SP-1 0 scfm SP-2 2 scfm SP-3 2.5 scfm SP-4 0 4 0 scfm

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

Describe any other system maintenance performed

Checked manholes, did water level measurements.

Signature

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

Date 7/3/2006 Measurements taken by RCB

RW-1	24.1	ft	Comments
PZ-1A	12.52	ft	Comments
PZ-1B	12.21	ft	Comments
PZ-1C	13.35	ft	Comments
PZ-1D	13.47	ft	Comments
PW-2	23.41	ft	Comments
PZ-2A	11.98	ft	Comments
PZ-2B	12.26	ft	Comments
PZ-2C	11.84	ft	Comments
PZ-2D		ft	Comments
PW-3	26.61	ft	Comments
PZ-3A	12.48	ft	Comments
PZ-3B	12.5	ft	Comments
PZ-3C	13.06	ft	Comments
PZ-3D	12.36	ft	Comments
PW-4	23.25	ft	Comments
PZ-4A	12.46	ft	Comments
PZ-4B	12.02	ft	Comments
PZ-4C	12.15	ft	Comments
PZ-4D	11.53	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 7/3/2006 Measurements taken by RCB

PW-5	21.4	ft	Comments
PZ-5A	11.76	ft	Comments
PZ-5B	11.8	ft	Comments
PZ-5C	11.38	ft	Comments
PZ-5D	12.19	ft	Comments
PW-6	21.45	ft	Comments
PZ-6A	12.4	ft	Comments
PZ-6B	12.36	ft	Comments
PZ-6C	12.48	ft	Comments
PZ-6D	12.17	ft	Comments
PW-7	18.1	ft	Comments
MPI6S	11.84	ft	Comments
PZ-7B	12.34	ft	Comments
OWC	12.11	ft	Comments
PZ-7D	11.9	ft	Comments
PW-8	21.63	ft	Comments
PZ-8A	8.83	ft	Comments
PZ-8B	8.8	ft	Comments
PZ-8C	8.57	ft	Comments
PZ-8D	8.75	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 #A06-6374
Sampled: June 5, 2006

SEVERN TRENT STL

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

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

ANALYTICAL REPORT

Job#: A06-6374

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

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

STL Buffalo

Anthony E. Bogolin
Project Manager

06/25/2006

STL Buffalo
Current Certifications

As of 4/10//2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6637401	Effluent	WATER	06/05/2006	13:30	06/05/2006	14:25
A6637402	Influent	WATER	06/05/2006	13:20	06/05/2006	14:25
A6637403	Trip Blank	WATER	06/05/2006		06/05/2006	14:25

METHODS SUMMARY

Job#: A06-6374

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

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

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

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

NON-CONFORMANCE SUMMARY

Job#: A06-6374

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

General Comments

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

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

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

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

Sample Receipt Comments

A06-6374
Sample Cooler(s) were received at the following temperature(s); 4.2 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte Toluene was detected in the Method Blanks A6B2083402 and A6B2084302 at a level below the project established reporting limit. Samples had levels of Toluene less than ten times that of the Method Blank value. All sample detections for toluene may potentially be due to laboratory contamination and should be evaluated accordingly. All associated sample detections were qualified with a "B".

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
Influent	A6637402DL	8260	20.00	008

Dilution Code Definition:

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

SEVERN TRENT STL

DATA QUALIFIER PAGE

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

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

Sample ID: Effluent
Lab Sample ID: A6637401
Date Collected: 06/05/2006
Time Collected: 13:30

Date Received: 06/05/2006
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,1-Dichloroethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,1-Dichloroethene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,2-Dibromoethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,2-Dichloroethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,2-Dichloropropane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
2-Butanone	ND		5.0	UG/L	8260	06/09/2006 11:28	LH
2-Hexanone	ND		5.0	UG/L	8260	06/09/2006 11:28	LH
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	06/09/2006 11:28	LH
Acetone	ND		5.0	UG/L	8260	06/09/2006 11:28	LH
Benzene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Bromodichloromethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Bromoform	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Bromomethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Carbon Disulfide	1.3		1.0	UG/L	8260	06/09/2006 11:28	LH
Carbon Tetrachloride	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Chlorobenzene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Chloroethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Chloroform	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Chloromethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Cyclohexane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Dibromochloromethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Dichlorodifluoromethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Ethylbenzene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Isopropylbenzene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Methyl acetate	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Methylcyclohexane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Methylene chloride	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Styrene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Tetrachloroethene	0.95	J	1.0	UG/L	8260	06/09/2006 11:28	LH
Toluene	0.47	BJ	1.0	UG/L	8260	06/09/2006 11:28	LH
Total Xylenes	ND		3.0	UG/L	8260	06/09/2006 11:28	LH
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Trichloroethene	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Trichlorofluoromethane	ND		1.0	UG/L	8260	06/09/2006 11:28	LH
Vinyl chloride	ND		1.0	UG/L	8260	06/09/2006 11:28	LH

Sample ID: Effluent
Lab Sample ID: A6637401
Date Collected: 06/05/2006
Time Collected: 13:30

Date Received: 06/05/2006
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
pH	8.30		0.500	S.U.	150.1	06/06/2006 18:55	SM
Total Hardness	471		2.0	MG/L	130.2	06/07/2006 11:07	LRM

Sample ID: Influent
Lab Sample ID: A6637402
Date Collected: 06/05/2006
Time Collected: 13:20

Date Received: 06/05/2006
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	0.61	J	1.0	UG/L	8260	06/08/2006 11:59	JMB
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,1-Dichloroethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,1-Dichloroethene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,2-Dibromoethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,2-Dichloroethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,2-Dichloropropane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
2-Butanone	ND		5.0	UG/L	8260	06/08/2006 11:59	JMB
2-Hexanone	ND		5.0	UG/L	8260	06/08/2006 11:59	JMB
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	06/08/2006 11:59	JMB
Acetone	ND		5.0	UG/L	8260	06/08/2006 11:59	JMB
Benzene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Bromodichloromethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Bromoform	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Bromomethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Carbon Disulfide	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Carbon Tetrachloride	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Chlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Chloroethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Chloroform	0.45	J	1.0	UG/L	8260	06/08/2006 11:59	JMB
Chloromethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
cis-1,2-Dichloroethene	12		1.0	UG/L	8260	06/08/2006 11:59	JMB
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Cyclohexane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Dibromochloromethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Dichlorodifluoromethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Ethylbenzene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Isopropylbenzene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Methyl acetate	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Methyl-t-Butyl Ether (MTBE)	12		1.0	UG/L	8260	06/08/2006 11:59	JMB
Methylcyclohexane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Methylene chloride	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Styrene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Tetrachloroethene	1400	E	1.0	UG/L	8260	06/08/2006 11:59	JMB
Toluene	0.56	BJ	1.0	UG/L	8260	06/08/2006 11:59	JMB
Total Xylenes	ND		3.0	UG/L	8260	06/08/2006 11:59	JMB
trans-1,2-Dichloroethene	1.1		1.0	UG/L	8260	06/08/2006 11:59	JMB
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Trichloroethene	49		1.0	UG/L	8260	06/08/2006 11:59	JMB
Trichlorofluoromethane	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB
Vinyl chloride	ND		1.0	UG/L	8260	06/08/2006 11:59	JMB

Sample ID: Influent
Lab Sample ID: A6637402
Date Collected: 06/05/2006
Time Collected: 13:20

Date Received: 06/05/2006
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
pH	7.40		0.500	S.U.	150.1	06/06/2006 18:55	SM
Total Hardness	476		2.0	MG/L	130.2	06/07/2006 11:07	LRM

Sample ID: Influent
Lab Sample ID: A6637402DL
Date Collected: 06/05/2006
Time Collected: 13:20

Date Received: 06/05/2006
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,1,2,2-Tetrachloroethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,1,2-Trichloroethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,1-Dichloroethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,1-Dichloroethene	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,2,4-Trichlorobenzene	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,2-Dibromo-3-chloropropane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,2-Dibromoethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,2-Dichlorobenzene	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,2-Dichloroethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,2-Dichloropropane	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,3-Dichlorobenzene	ND		20	UG/L	8260	06/09/2006 11:52	LH
1,4-Dichlorobenzene	ND		20	UG/L	8260	06/09/2006 11:52	LH
2-Butanone	ND		100	UG/L	8260	06/09/2006 11:52	LH
2-Hexanone	ND		100	UG/L	8260	06/09/2006 11:52	LH
4-Methyl-2-pentanone	ND		100	UG/L	8260	06/09/2006 11:52	LH
Acetone	ND		100	UG/L	8260	06/09/2006 11:52	LH
Benzene	ND		20	UG/L	8260	06/09/2006 11:52	LH
Bromodichloromethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
Bromoform	ND		20	UG/L	8260	06/09/2006 11:52	LH
Bromomethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
Carbon Disulfide	ND		20	UG/L	8260	06/09/2006 11:52	LH
Carbon Tetrachloride	ND		20	UG/L	8260	06/09/2006 11:52	LH
Chlorobenzene	ND		20	UG/L	8260	06/09/2006 11:52	LH
Chloroethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
Chloroform	ND		20	UG/L	8260	06/09/2006 11:52	LH
Chloromethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
cis-1,2-Dichloroethene	12	DJ	20	UG/L	8260	06/09/2006 11:52	LH
cis-1,3-Dichloropropene	ND		20	UG/L	8260	06/09/2006 11:52	LH
Cyclohexane	ND		20	UG/L	8260	06/09/2006 11:52	LH
Dibromochloromethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
Dichlorodifluoromethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
Ethylbenzene	ND		20	UG/L	8260	06/09/2006 11:52	LH
Isopropylbenzene	ND		20	UG/L	8260	06/09/2006 11:52	LH
Methyl acetate	ND		20	UG/L	8260	06/09/2006 11:52	LH
Methyl-t-Butyl Ether (MTBE)	12	DJ	20	UG/L	8260	06/09/2006 11:52	LH
Methylcyclohexane	ND		20	UG/L	8260	06/09/2006 11:52	LH
Methylene chloride	16	DJ	20	UG/L	8260	06/09/2006 11:52	LH
Styrene	ND		20	UG/L	8260	06/09/2006 11:52	LH
Tetrachloroethene	1900	D	20	UG/L	8260	06/09/2006 11:52	LH
Toluene	16	BDJ	20	UG/L	8260	06/09/2006 11:52	LH
Total Xylenes	ND		60	UG/L	8260	06/09/2006 11:52	LH
trans-1,2-Dichloroethene	ND		20	UG/L	8260	06/09/2006 11:52	LH
trans-1,3-Dichloropropene	ND		20	UG/L	8260	06/09/2006 11:52	LH
Trichloroethene	54	D	20	UG/L	8260	06/09/2006 11:52	LH
Trichlorofluoromethane	ND		20	UG/L	8260	06/09/2006 11:52	LH
Vinyl chloride	ND		20	UG/L	8260	06/09/2006 11:52	LH

Sample ID: Trip Blank
Lab Sample ID: A6637403
Date Collected: 06/05/2006
Time Collected:

Date Received: 06/05/2006
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,1-Dichloroethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,1-Dichloroethene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,2-Dibromoethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,2-Dichloroethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,2-Dichloropropane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
2-Butanone	ND		5.0	UG/L	8260	06/08/2006 11:12	JMB
2-Hexanone	ND		5.0	UG/L	8260	06/08/2006 11:12	JMB
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	06/08/2006 11:12	JMB
Acetone	ND		5.0	UG/L	8260	06/08/2006 11:12	JMB
Benzene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Bromodichloromethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Bromoform	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Bromomethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Carbon Disulfide	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Carbon Tetrachloride	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Chlorobenzene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Chloroethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Chloroform	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Chloromethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Cyclohexane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Dibromochloromethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Dichlorodifluoromethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Ethylbenzene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Isopropylbenzene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Methyl acetate	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Methylcyclohexane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Methylene chloride	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Styrene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Tetrachloroethene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Toluene	0.46	BJ	1.0	UG/L	8260	06/08/2006 11:12	JMB
Total Xylenes	ND		3.0	UG/L	8260	06/08/2006 11:12	JMB
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Trichloroethene	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Trichlorofluoromethane	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB
Vinyl chloride	ND		1.0	UG/L	8260	06/08/2006 11:12	JMB

Batch Quality Control Data

Date: 06/25/2006 16:40:58
Batch No: A6B20586

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A6631101 A6631101MS A6631101SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS ALLIED - 130.2 - TOTAL HARDNESS AS CAC	MG/L	591.3	391.9	399.1	65.90	65.90	-303 *	-292 *	-298	4	15.0	74-130

15/29

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

STL Buffalo

Date: 06/25/2006 16:40:58
Batch No: A6B20586

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A6631102 A6631102MS A6631102SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS ALLIED - 130.2 - TOTAL HARDNESS AS CAC	MG/L	414.2	355.1	352.8	65.90	65.90	-90 *	-93 *	-92	3	15.0	74-130

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

Chronology and QC Summary Package

Client ID		VBLK25		VBLK27					
Job No	Lab ID	A06-6374	A6BZ083402	A06-6374	A6BZ084302				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	ND	5.0	NA		NA	
Benzene	UG/L	ND	1.0	ND	1.0	NA		NA	
Bromodichloromethane	UG/L	ND	1.0	ND	1.0	NA		NA	
Bromoform	UG/L	ND	1.0	ND	1.0	NA		NA	
Bromomethane	UG/L	ND	1.0	ND	1.0	NA		NA	
2-Butanone	UG/L	ND	5.0	ND	5.0	NA		NA	
Carbon Disulfide	UG/L	ND	1.0	ND	1.0	NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	ND	1.0	NA		NA	
Chlorobenzene	UG/L	ND	1.0	ND	1.0	NA		NA	
Chloroethane	UG/L	ND	1.0	ND	1.0	NA		NA	
Chloroform	UG/L	ND	1.0	ND	1.0	NA		NA	
Chloromethane	UG/L	ND	1.0	ND	1.0	NA		NA	
Cyclohexane	UG/L	ND	1.0	ND	1.0	NA		NA	
1,2-Dibromoethane	UG/L	ND	1.0	ND	1.0	NA		NA	
Dibromochloromethane	UG/L	ND	1.0	ND	1.0	NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	ND	1.0	NA		NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA		NA	
1,3-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA		NA	
1,4-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA		NA	
Dichlorodifluoromethane	UG/L	ND	1.0	ND	1.0	NA		NA	
1,1-Dichloroethane	UG/L	ND	1.0	ND	1.0	NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	ND	1.0	NA		NA	
1,1-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA		NA	
1,2-Dichloropropane	UG/L	ND	1.0	ND	1.0	NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	NA		NA	
Ethylbenzene	UG/L	ND	1.0	ND	1.0	NA		NA	
2-Hexanone	UG/L	ND	5.0	ND	5.0	NA		NA	
Isopropylbenzene	UG/L	ND	1.0	ND	1.0	NA		NA	
Methyl acetate	UG/L	ND	1.0	ND	1.0	NA		NA	
Methylcyclohexane	UG/L	ND	1.0	ND	1.0	NA		NA	
Methylene chloride	UG/L	ND	1.0	ND	1.0	NA		NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	ND	5.0	NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	ND	1.0	NA		NA	
Styrene	UG/L	ND	1.0	ND	1.0	NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	ND	1.0	NA		NA	
Tetrachloroethene	UG/L	ND	1.0	ND	1.0	NA		NA	
Toluene	UG/L	0.55 J	1.0	0.55 J	1.0	NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	1.0	ND	1.0	NA		NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	ND	1.0	NA		NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	ND	1.0	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK25		VBLK27					
Job No	Lab ID	A06-6374	A6B2083402	A06-6374	A6B2084302				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	ND	1.0	NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	ND	1.0	NA		NA	
Trichloroethene	UG/L	ND	1.0	ND	1.0	NA		NA	
Vinyl chloride	UG/L	ND	1.0	ND	1.0	NA		NA	
Total Xylenes	UG/L	ND	3.0	ND	3.0	NA		NA	
======IS/SURROGATE(S)======									
Chlorobenzene-D5	%	98	50-200	99	50-200	NA		NA	
1,4-Difluorobenzene	%	99	50-200	99	50-200	NA		NA	
1,4-Dichlorobenzene-D4	%	91	50-200	92	50-200	NA		NA	
Toluene-D8	%	99	76-122	97	76-122	NA		NA	
p-Bromofluorobenzene	%	97	73-120	96	73-120	NA		NA	
1,2-Dichloroethane-D4	%	85	72-143	83	72-143	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Sample Date	Lab ID	Method Blank A06-6374	A6B2058602						
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Hardness	MG/L	ND	2.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK25 MSB25
Lab Sample ID: A6B2083402 A6B2083401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	26.9	25.0	108	65-142
Trichloroethene	UG/L	26.0	25.0	104	71-120
Benzene	UG/L	26.3	25.0	106	67-126
Toluene	UG/L	27.6	25.0	108	69-120
Chlorobenzene	UG/L	28.2	25.0	113	73-120

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

Client Sample ID: VBLK27 MSB27
Lab Sample ID: A6B2084302 A6B2084301

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	29.5	25.0	118	65-142
Trichloroethene	UG/L	25.5	25.0	102	71-120
Benzene	UG/L	25.7	25.0	103	67-126
Toluene	UG/L	26.7	25.0	105	69-120
Chlorobenzene	UG/L	27.3	25.0	110	73-120

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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: A6B2058602 A6B2058601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CACO3	MG/L	70.22	65.90	106	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 A06-6374 A6637401	Influent A06-6374 A6637402	Influent A06-6374 A6637402DL		
Sample Date	06/05/2006 13:30	06/05/2006 13:20	06/05/2006 13:20		
Received Date	06/05/2006 14:25	06/05/2006 14:25	06/05/2006 14:25		
Extraction Date					
Analysis Date	06/09/2006 11:28	06/08/2006 11:59	06/09/2006 11:52		
Extraction HT Met?	-	-	-		
Analytical HT Met?	YES	YES	YES		
Sample Matrix	WATER	WATER	WATER		
Dilution Factor	1.0	1.0	20.0		
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS		
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Trip Blank A06-6374 A6637403				
Sample Date	06/05/2006				
Received Date	06/05/2006 14:25				
Extraction Date					
Analysis Date	06/08/2006 11:12				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK25 A06-6374 A6B2083402	VBLK27 A06-6374 A6B2084302			
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/08/2006 09:51	06/09/2006 11:02			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

NA = Not Applicable

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6637401	Effluent	RECNY	pH	150.1	1.0		06/05/06 13:30	06/05 14:25	NA		06/06 18:55	SM	Y	WATER
		RECNY	Total Hardness	130.2	1.0		06/05/06 13:30	06/05 14:25	NA		06/07 11:07	LRM	Y	WATER
A6637402	Influent	RECNY	pH	150.1	1.0		06/05/06 13:20	06/05 14:25	NA		06/06 18:55	SM	Y	WATER
		RECNY	Total Hardness	130.2	1.0		06/05/06 13:20	06/05 14:25	NA		06/07 11:07	LRM	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A6B2058602	Method Blank	RECNY	Total Hardness	130.2	1.0		-	-	NA		06/07 11:07	LRM	Y	WATER

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

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Ecology + Environment Inc	Project Manager: Mr. M. Steffan	Date: 6/05/06	Chain of Custody Number: 209941
Address: 368 Pleasant View Dr.	Telephone Number (Area Code)/Fax Number: (716) 684-8060 (716) 684-0844	Lab Number:	Page 1 of 1
City: Lancaster / State: NY / Zip Code: 14086	Site Contact: T Bolgonia →	Lab Contact: M. Steffan	
Project Name and Location (State):	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 Full List	Special Instructions/ Conditions of Receipt
Influent	6/5/06	1320		X			1		1	3			1 1 3	
Effluent	6/5/06	1330		X			1		1	3			1 1 3	

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	6/5/06	1425	1. Received By: STL BUFFALO	6/5/06	1425
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 4.2°C

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

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

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

ATTACHMENT D

NYSDEC Work Assignment #27.5

12 Months of System Operation and Maintenance

June 2006 Report

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

Gas and Electric

Utility Provider	Account #	E&E Cost Center	Description	October '05	November '05	December '05	January '06	February '06	March '06	April '06	May '06
New York State E&G	06-311-11-002616-26	000699.NY06.05	Mr. C's Electric Costs	$ 1,871.38	$ 1,813.41	$ 1,446.70	$1,762.12	$ 1,908.70	$ 2,459.47	$ 2,113.40	$ 2,294.83
New York State E&G	76-311-11-015900-18		Agway Site - Electric	$ 294.32	$ 227.81	$ 314.54	$267.23	$ 316.73	$ 356.57	$ 315.85	$ 325.53
National Fuel Gas	5819628-05	000699.NY06.05	Mr. C's Natural Gas Costs		$ 8.61	$ 181.57		$ 159.08	$ 93.57	$ 149.49	$ -
			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

	June '06	July '06	August '06	September '06	October '06	November	December	January '06	Ave. /Month
Mr. C's Electric Costs	$ 1,916.90	$ 1,627.85							$ 2,134.97
Agway Electric	$ 308.98	$ 299.15							$ 336.30
Mr. C's Natural Gas Costs	$ -	$ 0.73							$ 65.89
Totals	$ 2,225.88	$ 1,927.73	$ -	$ -	$ -	$ -	$ -	$0.00	$ 2,537.17

Electric	$ 19,214.76	
Natural Gas	$ 593.05	Overbilled natural gas costs
Grand Total - NYSE&G/National Fuel Gas Costs To Date	$ 19,807.81	Estimated Reading

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	October '05	November '05	December '05	January '06	February '06	March '06	April '06	May '06
Verizon	716-652-0094	000699.NY06.05	Mr. C's Telephone Costs								
Account#				$ -	$ 38.60	$ 39.71	$ 38.94	$ 38.86	$ 38.56	$ 39.03	$ 38.59
716 652 0094 416 26 2											

	June '06	July '06	August	September	October	November	December		Ave./Month
	$ 38.59	$ -	$ -	$ -	$ -	$ -	$ -		$ 38.86

Grand Total - Verizon Costs to Date	$ 310.88
Grand Total All Utilities To Date	$ 20,118.69

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

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

ATTACHMENT D

NYSDEC Work Assignment #27.4

12 Months of System Operation and Maintenance

June 2006 Report

Budget Remaining:

Electric:	$4,809.24
Telephone:	$369.12
Gas	$506.95
Total:	$5,685.31

Monthly Treatment System Operational Time by O&M Services

Month	Possible OP Hours	Actual OP Hours	Up-Time Percent	Percent Capacity*	General Operation Comments
September-03	96	96	100.00%	58%	Shutdown by Tyree after Separable Part B inspection
October-03	168	168	100.00%	6%	Official Startup by O&M Enterprises on 10/22/03
November-03	720	720	100.00%	5%	
December-03	744	744	100.00%	28%	
January-04	672	672	100.00%	16%	
February-04	696	696	100.00%	21%	
March-04	816	815	99.88%	51%	
April-04	672	670	99.70%	50%	
May-04	696	513	73.71%	43%	Equipment shutdown- low flow of water to air stripper - 5/17-24/04
June-04	696	692	99.43%	30%	Individual pumps shutdown for inspection and cleaning
July-04	840	840	100.00%	47%	100% operational
August-04	672	672	100.00%	42%	100% operational
September-04	840	820	97.62%	31%	Temporary Stripper Shutdown
October-04	672	607	90.33%	33%	65 hour weekend shutdown due to low pressure problems with the airstripper
November-04	696	641.5	92.17%	37%	
December-04	816	792	97.06%	42%	GAC units removed from treatment system operations
January-05	840	840	100.00%	46%	GAC units removed from project site 1/14/05
February-05	672	660	98.21%	41%	Unit cleaned February 4, 2005
March-05	840	828	98.57%	33%	Unit shut down for additional cleaning and sequestering agent review.
April-05	696	609	87.50%	58%	Unit cleaned April 8, 2005. Back in service until new sequestering agent approved and installed.
May-05	840	768	91.43%	36%	Unit re-cleaned and new water treatment chemical stsrted operations on 5/19/05
June-05	744	644	86.56%	30%	Extremely dry month of June.
July-05	624	605.5	97.04%	44%	Extremely dry month of July.
August-05	696	696	100.00%	44%	Extremely dry month of August.
September-05	864	864	100.00%	40%	Extremely dry month of September.
October-05	672	672	100.00%	39%	Extremely dry month of October.
November-05	672	659	98.07%	34%	Power outage occurred November 6, 2005
December-05	864	854	98.84%	29.6%	Air Stripper cleaning occurred on 12/27/05
January-06	816	816	100.00%	36.7%	
February-06	696	696	100.00%	54.8%	
March-06	696	696	100.00%	56.4%	
April-06	696	689	98.99%	34.3%	Dry month, 5 hours for cleaning the stripper
May-06	696	689	98.99%	32.3%	Dry month, 5 hours for cleaning the stripper
June-06	816	812	99.51%	28.6%	
Totals to Date	**23952**	**23256**	**97.09%**		Based on OM services provided by EEEPC/OMEI since 9/03.

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

Projected Utility Costs for the O&M year (10/05 to 4/06)

	Ave./Month			
Mr. C's Electric	$ 2,134.97			
Agway Electric	$ 336.30			
Mr. C's Gas	$ 65.89			
Mr. C's Telephone	$ 38.86			
Ave. Utility Cost Total	$ 2,576.03	times	12 month Estimate	$33,488.38