ecology and environment engineering, p.c.

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

July 8, 2005

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

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

Dear Mr. Chiusano:

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

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

Operational Summary

- The treatment system was operational for approximately 91% of the period between 6/6/05 and 7/6/05. The system was re-started Monday, May 23 when the approved new sequestering agent (Redux 380 by Redux Technologies) was delivered and brought online. 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 2005 indicate that approximately 877,988 gallons of groundwater were processed through the treatment system from 6/6/05 through 7/6/05. Table 2 provides a summary of groundwater volume treated since system start-up. Historical volumes are based on totalizer readings provided by the O&M subcontractor's weekly inspection forms.
- Filters in the bag filter unit were replaced during weekly inspections on 6/6/05 and 7/6/05. Improved filter change out suggested as a result of the new sequestering agent.

- Checklists for weekly system inspections from OMEI are provided as Attachment A for 6/6/05, 6/13/05, 6/20/05, 6/27/05 and 7/6/05. Prior to the installation of the new sequestering agent, weekly system checks indicated that the air stripper differential pressure and vacuum had increased over the month. After installation, the differential pressure has increased only 2 inches of water column over the last month.
- OMEI is still in the process of optimizing the feed rate of the new sequestering agent.
- Waste profile submitted to Clean Harbors for quotation on the transport and disposal of the waste rydlime from previous air stripper cleaning.
- Autodialer call received by OMEI on Saturday, July 2, 2005 regarding shutdown of the treatment unit. OMEI on site the next business day, Tuesday, July 5, 2005. Upon inspection of the system, room high temperature conditions occurred and resulted in the softening and collapse of blower #1 ductwork to the air stripping unit. OMEI switched to blower # 2 and began to repair the ductwork. EEEPC on site to review the conditions encountered to prevent further treatment disruption. As a result of the review of the site, it was discovered the louver insulation over the mandoor was still place. Limited air was allowed to circulate through the treatment room. Fresh air was from only the 8" vent in the roof. Also, the piping to the blower was unsupported and had a great deal of weight from piping located above. The treatment system was restarted after discovery, but repairs to the piping on blower #1 will occur the following week after replacement pipe and support material are delivered. NYSDEC Project Manager and Region 9 officials were called on July 5, 2005 to report findings and future corrective actions.
- Pump in RW-1 and controller are in the process of being replaced. Larger pump controller needs to be installed to handle larger horsepower pump. System is currently operational, but change to occur at a future O&M visit in July.
- A copy of the site utility costs from EEEPC operations from October 2004 to date is provided as Attachment C.

Analytical Summary - Groundwater

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

- Approximately 8.16 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 removal volumes is located in Table 5. These values are calculated based on effluent totalizer readings and assumes that non-detect values given in the analytical data package = 0 µg/L and that the monthly samples are indicative of the influent characteristics and system performance for the entire reporting period.
- The Agway/Matrix system became operational in April 2005. OMEI continues to review the system operations on a weekly basis. All air sparge points seem to be functional except for one point in the north area of the field.
- EEEPC proposes to purge and sample the onsite wells in September 2005 to evaluate the cleanup.

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

Very Truly Yours,

Michael G. Steffan

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

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

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%
Average Operational Up-time =		**93.52%**

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
	TOTAL GALLONS	**59,671,531**

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

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

Compound	June 6, 2005		
	Influent Concentration (µg/L)	Effluent Concentration (µg/L)	Cleanup Efficiency (%)
Acetone	ND (<250)	11	NA
2-Butanone	ND (<250)	ND	NA
Methylene chloride	ND (<50)	ND	NA
Methyl tert-butyl ether	ND (<50)	ND	NA
Tetrachloroethene	1100 B	0.7 JB	99.93%
Toluene	ND (<50)	ND	NA
Trichloroethene	26 J	0 J	100.00%
Total Xylenes	ND (<150)	ND J	NA
May TOTAL (in ug/L) =	**1126**	**11.7**	

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

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

Parameter	Daily Maximum[1]	Units	June 6, 2005 Effluent Analytical Values
Flow	216,000	gpd	44,471.8 gpd [6]
pH	6.0 - 9.0	standard units	8.19
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	0.72 JB
Vinyl Chloride	10	µg/L	ND (<1.0)
Benzene	5	µg/L	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)
Methylene Chloride	10	µg/L	ND (<1.0)
1,1,1 Trichloroethane	10	µg/L	ND (<1.0)
Toluene	5	µg/L	ND (<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND (<1.0)
o-Xylene[3]	5	µg/L	NA
m, p-Xylene[3]	10	µg/L	NA
Total Xylenes	NA	ug/L	NA
Iron, total	600	µg/L	NA
Aluminum	4,000	µg/L	NA
Copper	48	µg/L	NA
Lead	11	µg/L	NA
Manganese	2,000	µg/L	NA
Silver	100	µg/L	NA
Vanadium	28	µg/L	NA
Zinc	230	µg/L	NA
Total Dissolved Solids	850	mg/L	NA
Total Suspended Solids	20	mg/L	NA
Hardness	N/A	mg/l	472
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 June 6, 2005 through July 6, 2005. Total gallons 877,988 divided by 26 operating days.
7. "J" indicates an estimiated value.
8. "B" indicates analyte found in the associated blank.

Indicates non-compliance with the effluent discharge requirements

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

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
September 2002[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
			Total pounds of VOCs removed from inception =	**895.5**

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.
9. Average influent and effluent concentrations used for December 2004.

CONVERSIONS:
1 pound = 453.5924 grams
1 gallon = 3.785 liters
Pounds of VOCs removed calculated by the following formula:
(1126 ug/L-11.7ug/L)(1g/10^6 ug)*(1 lb/453.5924 g)*877,988gallons*(3.785 L/gallon) =8.16 lbs*

where 877,988 gallons is the monthly process water volume.

Attachment A
OMEI Weekly Inspection Reports
June 2005

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

Date/Time 6\6\05 9:00

Inspection personnel RC Becken

Other personnel on site Jim Mayes

Weather Conditions sunny 73 degrees

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

Provide water level readings on control panel

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

Influent Flow Rate 39 gpm

Influent Totalizer Reading 9992951 gallons

Sequestering agent drum level 19 ft-in

Amount of sequestering agent remaining ~27 gal.

Sequestering agent feed rate 4.5 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 10 psi

Bag filter bottom pressure 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure 8 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 0.14 inches H_2O

Air stripper Pressure 20 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 7 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 11809409 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 75 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 4"

Is treatment building clean and organized? (YES) NO

Samples collected? (YES) NO

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent			7.72	3.26	57.8
Air stripper effluent			8.22	1.33	59.6
GAC influent			NA	NA	
GAC effluent			NA	NA	

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

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

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

Other observations: _____

Describe any other system maintenance performed
Increased flow of sequestering agent to ~5.0 ml/min. Changed filter.

Signature _____

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

Date 6/13/2004 Measurements taken by RC Becken J Mayes

RW-1	14.51	ft	Comments	
PZ-1A	11.49	ft	Comments	
PZ-1B	11.12	ft	Comments	
PZ-1C	12.26	ft	Comments	
PZ-1D		ft	Comments	car parked on well
PW-2	21.3	ft	Comments	
PZ-2A	10.89	ft	Comments	
PZ-2B	11.21	ft	Comments	
PZ-2C	10.89	ft	Comments	
PZ-2D		ft	Comments	
PW-3	20.31	ft	Comments	
PZ-3A	11.39	ft	Comments	
PZ-3B	11.42	ft	Comments	
PZ-3C	11.94	ft	Comments	
PZ-3D	11.46	ft	Comments	
PW-4	23.3	ft	Comments	
PZ-4A	11.55	ft	Comments	
PZ-4B	10.83	ft	Comments	
PZ-4C	10.99	ft	Comments	
PZ-4D	10.36	ft	Comments	

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

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

Date 6/13/2005 Measurements taken by RC Becken J Mayes

PW-5	16.39	ft	Comments	
PZ-5A	10.54	ft	Comments	
PZ-5B	10.61	ft	Comments	
PZ-5C	10.26	ft	Comments	
PZ-5D	11.02	ft	Comments	
PW-6	15.5	ft	Comments	
PZ-6A	11.1	ft	Comments	
PZ-6B	10.98	ft	Comments	
PZ-6C	11.22	ft	Comments	
PZ-6D	10.92	ft	Comments	
PW-7	18.02	ft	Comments	
OW-C	10.95	ft	Comments	
PZ-7B	11.51	ft	Comments	
MPI-6S	10.55	ft	Comments	
PZ-7D	10.96	ft	Comments	
PW-8	20.6	ft	Comments	
PZ-8A	7.81	ft	Comments	
PZ-8B	7.71	ft	Comments	
PZ-8C	7.3	ft	Comments	
PZ-8D	7.57	ft	Comments	

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

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

Date/Time 6\20\05 6:00

Inspection personnel CD Becken

Other personnel on site

Weather Conditions sunny 65 degrees

Are all well pumps operating in auto? (YES) NO
If "NO", provide explanation
at the time of reading well measurements the pumps had been just restarted after being off for appr. 6 hrs.

Provide water level readings on control panel

RW-1	(ON)	OFF	17	ft
PW-2	(ON)	OFF	17	ft
PW-3	(ON)	OFF	15	ft
PW-4	(ON)	OFF	16	ft
PW-5	(ON)	OFF	16	ft
PW-6	(ON)	OFF	14	ft
PW-7	(ON)	OFF	14	ft
PW-8	(ON)	OFF	19	ft
	Equalization tank		4	ft

Influent Flow Rate 48 gpm

Influent Totalizer Reading 875362 gallons

Sequestering agent drum level 24 in.

Amount of sequestering agent remaining 40 gallons

Sequestering agent feed rate 5 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 0 psi

Bag filter bottom pressure 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure 9 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 0.18 inches H_2O

Air stripper Pressure 20 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 10 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 12362300 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 79 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: _____

Describe any other system maintenance performed

Signature _____

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

Date/Time 6\27\05 2:30

Inspection personnel CD Becken

Other personnel on site

Weather Conditions sunny hot 92 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	11	ft
PW-2	ON	(OFF)	5	ft
PW-3	(ON)	OFF	7	ft
PW-4	ON	(OFF)	4	ft
PW-5	(ON)	OFF	9	ft
PW-6	(ON)	OFF	11	ft
PW-7	ON	(OFF)	7	ft
PW-8	ON	(OFF)	4	ft
	Equalization tank		4	ft

Influent Flow Rate 31.25 gpm

Influent Totalizer Reading 1158397 gallons

Sequestering agent drum level 18 in.

Amount of sequestering agent remaining 30 gallons

Sequestering agent feed rate 5 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 0 psi

Bag filter bottom pressure 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure 9 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure 0.15 inches H_2O

Air stripper Pressure 20 inches H_2O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure 9 psi

Effluent flow rate ~90 gpm

Effluent Totalizer reading 12542500 gallons

Are building heaters in use? YES (NO)

Ambient air temperature 84 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 4

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

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

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

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

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

Other observations: _____

Describe any other system maintenance performed

Signature _____

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

Date/Time 7\6\05 1:30

Inspection personnel RC Becken

Other personnel on site Mike Steffan

Weather Conditions overcast 75 degrees

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

Provide water level readings on control panel

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

Influent Flow Rate 39.55 gpm

Influent Totalizer Reading 1387072 gallons

Sequestering agent drum level 12 in.

Amount of sequestering agent remaining ~15 gallons

Sequestering agent feed rate 5 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 18 psi

Bag filter bottom pressure 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure 8 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure 3.5 inches H_2O

Air stripper Pressure 22 inches H_2O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure 7 psi

Effluent flow rate ~95 gpm

Effluent Totalizer reading 12687397 gallons

Are building heaters in use? YES (NO)

Ambient air temperature ~75 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump 4

Is treatment building clean and organized? (YES) NO

Samples collected? (YES) NO

	Sample ID	Time of Sampling	pH	Turbidity	Temp.
Air stripper influent		1:00	6.74	10.84	60.1
Air stripper effluent		12:45	7	10.45	61.9
GAC influent	_____		NA	NA	
GAC effluent	_____		NA	NA	

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

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

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

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

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

Signature

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

Date 7/6/2005 Measurements taken by RC Becken

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

PW-5	17.4	ft	Comments _____
PZ-5A	10.85	ft	Comments _____
PZ-5B	10.97	ft	Comments _____
PZ-5C	10.56	ft	Comments _____
PZ-5D	11.38	ft	Comments _____
PW-6	17.56	ft	Comments _____
PZ-6A	11.8	ft	Comments _____
PZ-6B	11.66	ft	Comments _____
PZ-6C	11.94	ft	Comments _____
PZ-6D	11.6	ft	Comments _____
PW-7	19.55	ft	Comments _____
MPI6S	11.3	ft	Comments _____
PZ-7B	12.14	ft	Comments _____
OCW	11.65	ft	Comments _____
PZ-7D	11.6	ft	Comments _____
PW-8	20.74	ft	Comments _____
PZ-8A	8.56	ft	Comments _____
PZ-8B	8.45	ft	Comments _____
PZ-8C	8.05	ft	Comments _____
PZ-8D	8.26	ft	Comments _____

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

Attachment B
Selected pages from
Severn-Trent Laboratory
Analytical Data Package #A05-5779

SEVERN TRENT STL

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

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

ANALYTICAL REPORT

Job#: A05-5779

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

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

STL Buffalo

Tony Boglin
Anthony E. Boglin
Project Manager

06/25/2005

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP 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	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5577901	Effluent	WATER	06/06/2005	09:50	06/06/2005	11:05
A5577902	Influent	WATER	06/06/2005	09:40	06/06/2005	11:05

METHODS SUMMARY

Job#: A05-5779

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

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

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

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

NON-CONFORMANCE SUMMARY

Job#: A05-5779

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

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

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

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

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

Sample Receipt Comments

A05-5779
Sample Cooler(s) were received at the following temperature(s); 2.8 °C
All samples were received in good condition.

GC/MS Volatile Data

The analytes 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Tetrachloroethene, and 1,2,4-Trichlorobenzene were detected in VBLK58 (A5B0922902) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recoveries of all analytes in the Matrix Spike and the Matrix Spike Duplicate of sample Influent exceeded quality control limits. The Matrix Spike Blank recoveries were compliant, so no corrective action is required.

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	A5577902	8260	50.00	008
Influent	A5577902MS	8260	50.00	008
Influent	A5577902SD	8260	50.00	008

Dilution Code Definition:

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

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: Effluent
Lab Sample ID: A5577901
Date Collected: 06/06/2005
Time Collected: 09:50

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

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 25 ML							
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,1-Dichloroethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,1-Dichloroethene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,2-Dibromoethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,2-Dichloroethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,2-Dichloropropane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
2-Butanone	ND		5.0	UG/L	8260	06/17/2005 20:46	BJ
2-Hexanone	ND		5.0	UG/L	8260	06/17/2005 20:46	BJ
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	06/17/2005 20:46	BJ
Acetone	11		5.0	UG/L	8260	06/17/2005 20:46	BJ
Benzene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Bromodichloromethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Bromoform	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Bromomethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Carbon Disulfide	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Carbon Tetrachloride	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Chlorobenzene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Chloroethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Chloroform	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Chloromethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Cyclohexane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Dibromochloromethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Dichlorodifluoromethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Ethylbenzene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Isopropylbenzene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Methyl acetate	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Methylcyclohexane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Methylene chloride	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Styrene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Tetrachloroethene	0.72	BJ	1.0	UG/L	8260	06/17/2005 20:46	BJ
Toluene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Total Xylenes	ND		3.0	UG/L	8260	06/17/2005 20:46	BJ
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Trichloroethene	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Trichlorofluoromethane	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ
Vinyl chloride	ND		1.0	UG/L	8260	06/17/2005 20:46	BJ

Sample ID: Effluent
Lab Sample ID: A5577901
Date Collected: 06/06/2005
Time Collected: 09:50

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

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
pH	8.19		0	S.U.	150.1	06/07/2005 09:54	LRM
Total Hardness	472		2.0	MG/L	130.2	06/15/2005 14:15	SM

Sample ID: Influent
Lab Sample ID: A5577902
Date Collected: 06/06/2005
Time Collected: 09:40

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

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 25 ML							
1,1,1-Trichloroethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,1,2,2-Tetrachloroethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,1,2-Trichloroethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,1-Dichloroethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,1-Dichloroethene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,2,4-Trichlorobenzene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,2-Dibromo-3-chloropropane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,2-Dibromoethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,2-Dichlorobenzene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,2-Dichloroethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,2-Dichloropropane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,3-Dichlorobenzene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
1,4-Dichlorobenzene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
2-Butanone	ND		250	UG/L	8260	06/17/2005 21:13	BJ
2-Hexanone	ND		250	UG/L	8260	06/17/2005 21:13	BJ
4-Methyl-2-pentanone	ND		250	UG/L	8260	06/17/2005 21:13	BJ
Acetone	ND		250	UG/L	8260	06/17/2005 21:13	BJ
Benzene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Bromodichloromethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Bromoform	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Bromomethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Carbon Disulfide	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Carbon Tetrachloride	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Chlorobenzene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Chloroethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Chloroform	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Chloromethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
cis-1,2-Dichloroethene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
cis-1,3-Dichloropropene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Cyclohexane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Dibromochloromethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Dichlorodifluoromethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Ethylbenzene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Isopropylbenzene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Methyl acetate	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Methyl-t-Butyl Ether (MTBE)	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Methylcyclohexane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Methylene chloride	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Styrene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Tetrachloroethene	1100	B	50	UG/L	8260	06/17/2005 21:13	BJ
Toluene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Total Xylenes	ND		150	UG/L	8260	06/17/2005 21:13	BJ
trans-1,2-Dichloroethene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
trans-1,3-Dichloropropene	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Trichloroethene	26	J	50	UG/L	8260	06/17/2005 21:13	BJ
Trichlorofluoromethane	ND		50	UG/L	8260	06/17/2005 21:13	BJ
Vinyl chloride	ND		50	UG/L	8260	06/17/2005 21:13	BJ

Sample ID: Influent
Lab Sample ID: A5577902
Date Collected: 06/06/2005
Time Collected: 09:40

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

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
pH	7.84		0	S.U.	150.1	06/07/2005 09:54	LRM
Total Hardness	448		2.0	MG/L	130.2	06/15/2005 14:15	SM

Batch Quality Control Data

Date: 06/25/2005 07:02:49
Batch No: A5B08931

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A5563211 · A5563211MS A5563211SD

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	840.0	1260	1290	400.0	400.0	105	112	109	6	15.0	74-130

13/27

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

STL Buffalo

Lab Sample ID: A5577902 A5577902MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CACO3	MG/L	448.0	600.0	160.0	95	74-130

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

Chronology and QC Summary Package

Client ID		VBLK58							
Job No	Lab ID	A05-5779	A5B092290Z						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	NA		NA		NA	
Benzene	UG/L	ND	1.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	1.0	NA		NA		NA	
Bromoform	UG/L	ND	1.0	NA		NA		NA	
Bromomethane	UG/L	ND	1.0	NA		NA		NA	
2-Butanone	UG/L	ND	5.0	NA		NA		NA	
Carbon Disulfide	UG/L	ND	1.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	1.0	NA		NA		NA	
Chloroethane	UG/L	ND	1.0	NA		NA		NA	
Chloroform	UG/L	ND	1.0	NA		NA		NA	
Chloromethane	UG/L	ND	1.0	NA		NA		NA	
Cyclohexane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	1.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	1.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	0.28 J	1.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	0.37 J	1.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	1.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	1.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	1.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	1.0	NA		NA		NA	
2-Hexanone	UG/L	ND	5.0	NA		NA		NA	
Isopropylbenzene	UG/L	ND	1.0	NA		NA		NA	
Methyl acetate	UG/L	ND	1.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	1.0	NA		NA		NA	
Methylene chloride	UG/L	ND	1.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	5.0	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	NA		NA		NA	
Styrene	UG/L	ND	1.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	NA		NA		NA	
Tetrachloroethene	UG/L	0.29 J	1.0	NA		NA		NA	
Toluene	UG/L	ND	1.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	0.29 J	1.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	1.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK58							
Job No	Lab ID	A05-5779	A5B0922902						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	1.0	NA		NA		NA	
Trichloroethene	UG/L	ND	1.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	1.0	NA		NA		NA	
Total Xylenes	UG/L	ND	3.0	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	85	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	88	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	71	50-200	NA		NA		NA	
Toluene-D8	%	89	76-116	NA		NA		NA	
p-Bromofluorobenzene	%	84	73-117	NA		NA		NA	
1,2-Dichloroethane-D4	%	79	72-143	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Sample Date	Lab ID	Method Blank A05-5779	A5B0893102						
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

SAMPLE DATE 06/06/2005

Client Sample ID: Influent | Influent | Influent
Lab Sample ID: A5577902 | A5577902MS | A5577902SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
METHOD 8260 - TCL VOLATILE ORGANICS												
1,1-Dichloroethene	UG/L	0	793	753	500	500	159 *	151 *	155	5	16.0	65-138
Trichloroethene	UG/L	25.6	874	826	500	500	170 *	160 *	165	6	14.0	71-120
Benzene	UG/L	0	855	804	500	500	171 *	161 *	166	6	11.0	67-126
Toluene	UG/L	10.9	729	714	500	500	144 *	141 *	143	2	15.0	71-120
Chlorobenzene	UG/L	0	711	696	500	500	142 *	139 *	141	2	13.0	74-120

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

Client Sample ID: VBLK58 MSB58
Lab Sample ID: A5B0922902 A5B0922901

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	9.38	10.0	94	65-138
Trichloroethene	UG/L	9.76	10.0	98	71-120
Benzene	UG/L	9.68	10.0	97	67-126
Toluene	UG/L	8.86	10.0	89	71-120
Chlorobenzene	UG/L	8.75	10.0	88	74-120

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

Client Sample ID: Influent Influent
Lab Sample ID: A5577902 A5577902MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CACO3	MG/L	448.0	600.0	160.0	95	74-130

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

Client Sample ID: Method Blank LCS
Lab Sample ID: A5B0893102 A5B0893101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CACO3	MG/L	196.0	200.0	98	90-110

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

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Effluent A05-5779 A5577901	Influent A05-5779 A5577902			
Sample Date	06/06/2005 09:50	06/06/2005 09:40			
Received Date	06/06/2005 11:05	06/06/2005 11:05			
Extraction Date					
Analysis Date	06/17/2005 20:46	06/17/2005 21:13			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	50.0			
Sample wt/vol	0.025 LITERS	0.025 LITERS			
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK58 A05-5779 A5B0922902				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/17/2005 12:06				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.025 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
A5577901	Effluent	RECNY	pH	150.1	1.0		06/06/05 09:50	06/06 11:05	NA		06/07 09:54	LRM	Y	WATER
		RECNY	Total Hardness	130.2	1.0		06/06/05 09:50	06/06 11:05	NA		06/15 14:15	SM	Y	WATER
A5577902	Influent	RECNY	pH	150.1	1.0		06/06/05 09:40	06/06 11:05	NA		06/07 09:54	LRM	Y	WATER
		RECNY	Total Hardness	130.2	1.0		06/06/05 09:40	06/06 11:05	NA		06/15 14:15	SM	Y	WATER

25/27

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
A5B0893102	Method Blank	RECNY	Total Hardness	130.2	1.0		-	-	NA		06/15 14:15	SM	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	Project Manager	Date	Chain of Custody Number
Ecology and Environment, Inc.	MIKE STEFFAN	6/6/05	193015
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
368 PLEASANT VIEW DRIVE	(716) 684-8060 (716) 684-0844		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Lancaster NY 14086			
Project Name and Location (State)	**Carrier/Waybill Number**		
MR C's Dry Cleaners East Aurora monthly	HAND DELIVER		
Contract/Purchase Order/Quote No.			
000699.NY06.05			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOA's 624.60	Total Hardness As CaCO3 130.2	pH - 150.1
INFLUENT	6/06/05	0940		X			1		1	3			3	1	1
EFFLUENT	6/06/05	0950		X			1		1	3			3	1	1

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

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
1. Relinquished By	6/6/05	1105
2. Relinquished By		
3. Relinquished By		

	Date	Time
1. Received By	6/6/05	1105
2. Received By		
3. Received By		

Comments

2 of 2

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

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

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

ATTACHMENT C

NYSDEC Work Assignment #27.5

12 Months of System Operation and Maintenance

June 2005 Report

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

Gas and Electric

Utility Provider	Account #	E&E Cost Center	Description	October '04	November	December	January '05	February	March '05	April '05	May '05	
New York State E&G	06-311-11-002	000699.NY06.05	Mr. C's Electric Costs	$ 1,016.84	$ 1,531.47	$ 1,681.89	$ 1,863.21	$ 1,835.14	$ 2,002.24	$ 1,619.14	$ 1,538.09	
	76-311-11-015900-18		Agway Site - Electric									
National Fuel Gas	5819628-05	000699.NY06.05	Mr. C's Natural Gas Costs	$ -	$ -	$ -	$ 39.23	$ 481.04	$ 184.90	$ 300.38	$ 94.77	
			Totals	$ 1,016.84	$ 1,531.47	$ 1,681.89	$ 1,902.44	$ 2,316.18	$ 2,187.14	$ 1,919.52	$ 1,632.86	

				June '05	July '05	August '05	September	October	November	December		Ave. /Month
			Mr. C's Electric Costs	$ 111.38	$ 1,355.04							$ 1,455.44
			Agway Electric		$ 94.84							$ 94.84
			Mr. C's Natural Gas Costs	$ -	$ -							$ 220.06
			Totals	$ 111.38	$ 1,449.88	$ -	$ -	$ -	$ -	$ -		$ 1,837.22
			Electric		$ 14,554.44							
			Natural Gas		$ 1,100.32			Overbilled natural gas costs				
		Grand Total - NYSE&G/National Fuel Gas Costs To Date		$ 15,654.76				Estimated Reading				

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	October '04	November	December	January '05	February '05	March '05	April '05	May '05	
Verizon	716-652-0094	000699.NY06.05	Mr. C's Telephone Costs	$ 39.56	$ 38.76	$ 39.10	$ 39.08	$ 38.66	$ 38.89	$ 38.64	$ 38.97	
Account#												
716 652 0094 416 26 2												

				June '05	July '05	August	September	October	November	December		Ave./Month
												$ 38.96
		Grand Total - Verizon Costs to Date		$ 234.05			****This includes initial connection fees for the phone company of approximately $180.					
		Grand Total All Utilities To Date		$ 15,888.81								

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

ATTACHMENT C

NYSDEC Work Assignment #27.4

12 Months of System Operation and Maintenance

Budget Remaining:

Electric:	$9,469.56
Telephone:	$445.95
Gas	-$0.32
Total:	$9,915.19

Monthly Treatment System Operational Time by O&M Services

O&M Months Remaining: 6

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.
Totals to Date	**15144**	**14507.5**	**95.80%**		

* 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%.

Projected Utility Costs for the O&M year (11/04 to 11/05)

	Ave./Month			
Electric	$ 1,617.16			
Gas	$ 220.06			
Telephone	$ 44.52			
Ave. Utility Cost Total	$ 1,881.75	times	12 months	$24,462.71