



ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER
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November 10, 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
October 2005 Operations, Maintenance, and Monitoring Report

Dear Mr. Chiusano:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide this October 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 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 October 2005, EEEPC offers the following comments and highlights:

Operational Summary

- The treatment system was operational for approximately 100% of the period between 10/3/05 and 10/31/05. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- The effluent totalizer readings for the month of October 2005 indicate that approximately 1,204,074 gallons of groundwater were processed through the treatment system from 10/3/05 through 10/31/05. 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 influent bag filter unit were replaced during weekly inspection on 10/10/05, 10/17/05, and 10/24/05.
- The flexible effluent air exhaust line from the stripper unit was replaced on 10/3/05 with hard piping due to deterioration of the flex pipe.

- Checklists for weekly system inspections from OMEI are provided as Attachment A for 10/3/05, 10/10/05, 10/17/05, 10/24/05 and 10/31/05. Weekly system checks indicated that the air stripper differential pressure was between 22 and 23 inches of water during the month of October 2005. Maintaining the differential pressure of the stripper trays between 17 and 30 inches of water is critical for treated effluent to be in compliance with the discharge criteria.
- Winterization of the treatment building was performed in October 2005.
- The feed rate for the sequestering agent remained the same at 3.0 mg/L. Two drums of Redux 380 were delivered in October 2005 for use with the treatment system.
- The Agway/Matrix system remains in operation since start up in April 2005. OMEI continues to review the system operations on a weekly basis. All air sparge points continue to be functional except for three points in the north area of the field. No repairs are anticipated at the present time?
- The month of October report for the Agway site is as follows: The vacuum pressure on the air sparge / vapor extraction treatment system maintained 11 inches of water vacuum and ranged between 90 to 120 pounds per square inch of air pressure. 5 out of the 8 sparge points were injecting an average of 3.5 standard CFM of air to each sparge point. OMEI has not determined the problem with the 3 non-operational sparge points. The assumption is that these lines may have subsurface leaks and will require excavation work to be performed. The 2005 Agway site groundwater sampling report was issued by EEEPC on October 26, 2005. NYSDEC to review and determine if continued operation of the remedial treatment operating unit at the Agway site is necessary before additional repairs will be performed on the 3 non-operational sparge points.
- The November compliance sampling is planned to take place on November 7, 2005.
- A copy of the site utility costs from EEEPC operations from October 2004 to date is provided as Attachment C.

Analytical Summary – Groundwater

- EEEPC and OMEI personnel collected samples of influent and effluent groundwater for the reporting period 10/03/05 to 10/31/05 on October 3, 2005 as part of the normal weekly O&M services. The analytical results for the October 2005 sampling events are presented in Table 3.
- The October 2005 analytical results indicate that the treated groundwater effluent remains below the site specific Effluent Discharge Limitation Requirements for all compounds including PCE. A comparison between the October 2005 analytical results and the Effluent Discharge Limitation Requirements for the site are provided in Table 4. The treatment system remains in operational and regulatory compliance for the month of October 2005.

Mr. Dave Chiusano, Project Manager

November 10, 2005

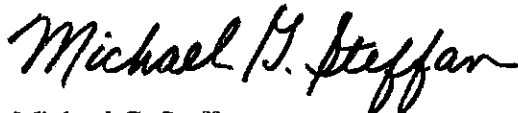
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- Approximately 14.6 pounds of VOCs were removed from the influent groundwater based on calculations using the effluent discharge analytical results during the reporting period. A summary of the calculated pounds of VOC's by month and by date are located 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 October 2005 O&M report summary submitted, please call me a 716-684-8060.

Very Truly Yours,

Ecology and Environment Engineering, P. C.



Michael G. Steffan

Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments
R. Becken, O&M Enterprises w/ attachments
D. Miller, E&E-Buffalo w/ attachments
CTF- 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%
July 6, 2005 - August 1, 2005	605.5	97.00%
August 1, 2005 - August 29, 2005	696	100.00%
August 29, 2005 - October 3, 2005	864	100.00%
October 3, 2005 - October 31, 2005	672	100.00%

Average Operational Up-time = **94.12%**

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
Total		65,193,350

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
October 2005 VOC Analytical Summary

Compound	October 3, 2005		
	Influent Concentration* (µg/L)	Effluent Concentration* (µg/L)	Cleanup Efficiency (%)
Acetone	ND (<50)	6.1 (5.0)	NA
2-Butanone	ND (<50)	ND (5.0)	NA
Methylene chloride	ND (<10)	ND (1.0)	NA
Methyl tert-butyl ether	13	ND (1.0)	100.00%
Tetrachloroethene	1400 D	0.81 J	99.94%
Toluene	ND (<10)	ND (1.0)	NA
Trichloroethene	41	0.0 (1.0)	100.00%
Total Xylenes	ND (<30)	ND (3.0)	NA
October TOTAL (in ug/L) =	1454.0	0.81	99.94%

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 concentration
5. "D" = Compounds identified in analysis required secondary dilution factoring.

* (<50) Plus Detection Limit

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

Parameter/Analyte	Daily Maximum ¹	Units	October 3, 2005 Effluent Analytical Values
Flow	216,000	gpd	43,002.7 gpd ⁶
pH	6.0 - 9.0	standard units	8.21
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	0.81 J ⁷
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	425
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 October 3, 2005 through October 31, 2005. Total gallons: 1,204,074 divided by 28 operating days.
7. "J" indicates an estimated value below the detection limit.
8. "B" indicates analyte found in the associated blank.

 Indicates non-compliance with the NYSDEC effluent discharge requirements

Attachment A
OMEI Weekly Inspection Reports
October 2005

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

Date/Time 10/3/05 9:00

Inspection personnel R C Becken

Other personnel on site Greg Jones

Weather Conditions sunny 60 degrees

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

Provide water level readings on control panel

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

Influent Flow Rate 22.4 gpm

Influent Totalizer Reading 72347233 gallons

Sequestering agent drum level ~32" in.

Amount of sequestering agent remaining ~48 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 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 _____ 8 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 3 inches H₂O

Air stripper r Pressure _____ 23 inches H₂O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure _____ 7 psi

Effluent flow rate _____ 76.5 gpm

Effluent Totalizer reading _____ 15912485 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 70 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		9:45	6.2	6.76	59.7
Air stripper effluent		:40	7.07	7.28	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: _____

Agway

vacuum 11"

air pressure 115 psi

Bank 1

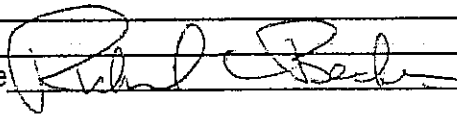
SP-1 2.5 scfm SP-2 2.5 scfm SP-3 2.5 scfm SP-4 0 scfm

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

Describe any other system maintenance performed

Hard piped air duct that was flexible pipe.

Signature



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

Date 10/3/2005

Measurements taken by RC Becken

RW-1	<u>23.1</u>	ft	Comments _____
PZ-1A	_____	ft	Comments <u>car parked on well</u>
PZ-1B	<u>11.75</u>	ft	Comments _____
PZ-1C	<u>12.9</u>	ft	Comments _____
PZ-1D	_____	ft	Comments <u>car parked on well</u>
PW-2	<u>21.4</u>	ft	Comments _____
PZ-2A	<u>11.61</u>	ft	Comments _____
PZ-2B	<u>11.94</u>	ft	Comments _____
PZ-2C	<u>11.47</u>	ft	Comments _____
PZ-2D	_____	ft	Comments <u>gone</u>
PW-3	<u>23.35</u>	ft	Comments _____
PZ-3A	<u>12.05</u>	ft	Comments _____
PZ-3B	<u>12.07</u>	ft	Comments _____
PZ-3C	<u>12.8</u>	ft	Comments _____
PZ-3D	<u>12.11</u>	ft	Comments _____
PW-4	<u>21.82</u>	ft	Comments _____
PZ-4A	<u>12.32</u>	ft	Comments _____
PZ-4B	<u>11.57</u>	ft	Comments _____
PZ-4C	<u>11.7</u>	ft	Comments _____
PZ-4D	<u>11.07</u>	ft	Comments _____

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

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

Date 10/3/2005

Measurements taken by RC Becken

PW-5	<u>21.1</u>	ft	Comments _____
PZ-5A	<u>11.34</u>	ft	Comments _____
PZ-5B	<u>11.37</u>	ft	Comments _____
PZ-5C	<u>10.96</u>	ft	Comments _____
PZ-5D	<u>11.75</u>	ft	Comments _____
PW-6	<u>22.9</u>	ft	Comments _____
PZ-6A	<u>12.03</u>	ft	Comments _____
PZ-6B	_____	ft	Comments <u>car parked on well</u>
PZ-6C	<u>12.11</u>	ft	Comments _____
PZ-6D	<u>11.78</u>	ft	Comments _____
PW-7	<u>18.5</u>	ft	Comments _____
MPI-6S	<u>11.56</u>	ft	Comments _____
PZ-7B	<u>12.2</u>	ft	Comments _____
OW-C	<u>11.77</u>	ft	Comments _____
PZ-7D	<u>11.7</u>	ft	Comments _____
PW-8	<u>19.86</u>	ft	Comments _____
PZ-8A	<u>8.69</u>	ft	Comments _____
PZ-8B	<u>8.57</u>	ft	Comments _____
PZ-8C	<u>8.3</u>	ft	Comments _____
PZ-8D	<u>8.26</u>	ft	Comments _____

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

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

Date/Time 10\10\05 9:15

Inspection personnel R C Becken

Other personnel on site _____

Weather Conditions light rain 51 degrees

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

Provide water level readings on control panel

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

Influent Flow Rate 20.98 gpm

Influent Totalizer Reading 7740495 gallons

Sequestering agent drum level ~26 in.

Amount of sequestering agent remaining ~35 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 15 13 psi

Bag filter bottom pressure 0 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure _____ 7 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 3 inches H₂O

Air stripper r Pressure _____ 23 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 8 psi

Effluent flow rate _____ 75.4 gpm

Effluent Totalizer reading _____ 16222286 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 63.5 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 4

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

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

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

Were manholes inspected? YES NO

Were electrical boxes inspected? YES (NO)

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

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

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

Other observations: _____

Agway _____

vacuum 11" _____

air pressure 90 psi _____

Bank 1 _____

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

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

Describe any other system maintenance performed

Changed filters, closed vent over the man door preparing for winter, drove steel fence posts into parking area around Pw-2 and PW-3 and associated piezometer well to protect the wells from the snow plow this winter.

Signature  _____

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

Date/Time 10/17/05 9:15

Inspection personnel R C Becken

Other personnel on site _____

Weather Conditions overcast 50 degrees

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

Provide water level readings on control panel

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

Influent Flow Rate 61.93 gpm

Influent Totalizer Reading 8229329 gallons

Sequestering agent drum level ~17 in.

Amount of sequestering agent remaining ~28 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 6 6 psi

Bag filter bottom pressure 0 0 psi

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

Influent feed pump in use (#1) #2

Influent Pump Pressure _____ 8 psi

Air stripper blower in use #1 (#2)

Air stripper differential pressure _____ 3 inches H₂O

Air stripper Pressure _____ 22 inches H₂O

Effluent feed pump in use (#1) #2

Effluent feed pump pressure _____ 7 psi

Effluent flow rate _____ 75 gpm

Effluent Totalizer reading _____ 16525388 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 63.4 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 4

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

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

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

Were manholes inspected? YES NO

Were electrical boxes inspected? YES (NO)

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

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

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

Other observations: _____

Agway

vacuum 11"

air pressure 110 psi

Bank 1

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

SP-5 0 scfm SP-6 4scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

Changed filters

Switched pumps

Signature _____

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

Date/Time 10\24\05 9:00

Inspection personnel R C Becken

Other personnel on site _____

Weather Conditions overcast 38 degrees

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

Provide water level readings on control panel

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

Influent Flow Rate 62.09 gpm

Influent Totalizer Reading 8703753 gallons

Sequestering agent drum level 6 in.

Amount of sequestering agent remaining ~12 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 10 10 psi

Bag filter bottom pressure 0 0 psi

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

Influent feed pump in use #1 (#2)

Influent Pump Pressure _____ 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure _____ 2.5 inches H₂O

Air stripper r Pressure _____ 23 inches H₂O.

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure _____ 7 psi

Effluent flow rate _____ 89 gpm

Effluent Totalizer reading _____ 16818742 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 56 degrees F

Are any leaks present? YES (NO)

Is sump pump in use? YES (NO)

Water level in sump _____ 4

Is treatment building clean and organized? (YES) NO

Samples collected? YES (NO)

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

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

Were manholes inspected? (YES) NO

Were electrical boxes inspected? YES (NO)

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

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

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

Other observations: _____

Agway _____

vacuum 12 _____

air pressure 115 psi _____

Bank 1 _____

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

SP-5 0 scfm SP-6 4scfm SP-7 0scfm SP-8 0 scfm

Describe any other system maintenance performed

Changed filters _____

Finished winterizing treatment plant _____

Received one drum of Redox 380 on time. _____

Signature _____

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

Date/Time 10\31\05 8:46

Inspection personnel R C Becken

Other personnel on site _____

Weather Conditions clear 56 degrees

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

Provide water level readings on control panel

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

Influent Flow Rate 27.56 gpm

Influent Totalizer Reading 9184856 gallons

Sequestering agent drum level ~30 in.

Amount of sequestering agent remaining 50 gallons

Sequestering agent feed rate 3 ml/min.

Sequestering agent metering Pump Pressure 0 psi

Bag filter top pressure 5 0 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 _____ 7 psi

Air stripper blower in use (#1) #2

Air stripper differential pressure _____ 2.5 inches H₂O

Air stripper r Pressure _____ 23 inches H₂O

Effluent feed pump in use #1 (#2)

Effluent feed pump pressure _____ 8 psi

Effluent flow rate _____ 90 gpm

Effluent Totalizer reading _____ 17116559 gallons

Are building heaters in use? YES (NO)

Ambient air temperature _____ 62.8 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 11" _____

air pressure 120 psi _____

Bank 1 _____

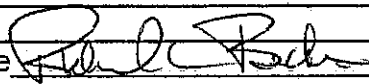
SP-1 2 scfm SP-2 3 scfm SP-3 3 scfm SP-4 0 scfm

SP-5 0 scfm SP-6 4 scfm SP-7 0 scfm SP-8 0 scfm

Describe any other system maintenance performed

One of the steel posts I pounded into the parking area to protect PW-2 and PW-3 was broken off so I replaced it with a new steel post . Waiting for a drum of sequestering agent to arrive.

Truck arrived at 11:49.

Signature  _____

Attachment B
Selected pages from
Severn-Trent Laboratory
Analytical Data Package #A05-A959

STL Buffalo10 Hazelwood Drive, Suite 106
Amherst, NY 14228Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-A959

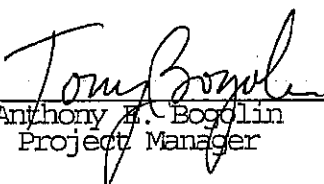
STL Project#: NY5A9393.3

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 H. Bogolin
Project Manager

10/22/2005



SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A5A95901	Effluent	WATER	10/03/2005	09:47	10/03/2005	13:30
A5A95902	Influent	WATER	10/03/2005	09:45	10/03/2005	13:30

METHODS SUMMARY

Job#: A05-A959STL Project#: NY5A9393.3Site Name: Ecology and Environment NYSDEC Standby

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
pH	MCAWW 150.1
Total Hardness	MCAWW 130.2

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

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

NON-CONFORMANCE SUMMARY

Job#: A05-A959STL Project#: NY5A9393.3Site Name: Ecology and Environment NYSDEC StandbyGeneral Comments

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

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

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

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

Sample Receipt Comments

A05-A959

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
Effluent	A5A95901	Total Hardness	2.00	008
Influent	A5A95902	8260	10.00	008
Influent	A5A95902	Total Hardness	2.00	008
Influent	A5A95902DL	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 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: A5A95901
Date Collected: 10/03/2005
Time Collected: 09:47Date Received: 10/03/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection		Date/Time		Analyst
			Limit	Units	Method	Analyzed	
AQUEOUS-SW8463 8260 - TCL VOLATILES - 25 ML							
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,1-Dichloroethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,1-Dichloroethene	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,2-Dibromoethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,2-Dichloroethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,2-Dichloropropane	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	10/15/2005 00:32	
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	10/15/2005 00:32	
2-Butanone	ND		5.0	UG/L	8260	10/15/2005 00:32	
2-Hexanone	ND		5.0	UG/L	8260	10/15/2005 00:32	
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	10/15/2005 00:32	
Acetone	6.1		5.0	UG/L	8260	10/15/2005 00:32	
Benzene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Bromodichloromethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
Bromoform	ND		1.0	UG/L	8260	10/15/2005 00:32	
Bromomethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
Carbon Disulfide	ND		1.0	UG/L	8260	10/15/2005 00:32	
Carbon Tetrachloride	ND		1.0	UG/L	8260	10/15/2005 00:32	
Chlorobenzene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Chloroethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
Chloroform	ND		1.0	UG/L	8260	10/15/2005 00:32	
Chloromethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	10/15/2005 00:32	
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Cyclohexane	ND		1.0	UG/L	8260	10/15/2005 00:32	
Dibromochloromethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
Dichlorodifluoromethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
Ethylbenzene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Isopropylbenzene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Methyl acetate	ND		1.0	UG/L	8260	10/15/2005 00:32	
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	10/15/2005 00:32	
Methylcyclohexane	ND		1.0	UG/L	8260	10/15/2005 00:32	
Methylene chloride	ND		1.0	UG/L	8260	10/15/2005 00:32	
Styrene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Tetrachloroethene	0.81	J	1.0	UG/L	8260	10/15/2005 00:32	
Toluene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Total Xylenes	ND		3.0	UG/L	8260	10/15/2005 00:32	
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	10/15/2005 00:32	
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Trichloroethene	ND		1.0	UG/L	8260	10/15/2005 00:32	
Trichlorofluoromethane	ND		1.0	UG/L	8260	10/15/2005 00:32	
Vinyl chloride	ND		1.0	UG/L	8260	10/15/2005 00:32	

Date: 10/22/2005

Time: 14:26:01

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

Sample ID: Effluent

Lab Sample ID: A5A95901

Date Collected: 10/03/2005

Time Collected: 09:47

Date Received: 10/03/2005

Project No: NY5A9393.3

Client No: 397714

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Wet Chemistry Analysis								
pH	8.21		0	S.U.	150.1	10/04/2005	08:50	LRM
Total Hardness	425		4.0	MG/L	130.2	10/04/2005	19:35	SM

Sample ID: Influent
Lab Sample ID: A5A95902
Date Collected: 10/03/2005
Time Collected: 09:45Date Received: 10/03/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection		Method	Date/Time	
			Limit	Units		Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 25 ML							
1,1,1-Trichloroethane	ND		10	UG/L	8260	10/15/2005	13:48
1,1,2,2-Tetrachloroethane	ND		10	UG/L	8260	10/15/2005	13:48
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	8260	10/15/2005	13:48
1,1,2-Trichloroethane	ND		10	UG/L	8260	10/15/2005	13:48
1,1-Dichloroethane	ND		10	UG/L	8260	10/15/2005	13:48
1,1-Dichloroethene	ND		10	UG/L	8260	10/15/2005	13:48
1,2,4-Trichlorobenzene	ND		10	UG/L	8260	10/15/2005	13:48
1,2-Dibromo-3-chloropropane	ND		10	UG/L	8260	10/15/2005	13:48
1,2-Dibromoethane	ND		10	UG/L	8260	10/15/2005	13:48
1,2-Dichlorobenzene	ND		10	UG/L	8260	10/15/2005	13:48
1,2-Dichloroethane	ND		10	UG/L	8260	10/15/2005	13:48
1,2-Dichloropropane	ND		10	UG/L	8260	10/15/2005	13:48
1,3-Dichlorobenzene	ND		10	UG/L	8260	10/15/2005	13:48
1,4-Dichlorobenzene	ND		10	UG/L	8260	10/15/2005	13:48
2-Butanone	ND		50	UG/L	8260	10/15/2005	13:48
2-Hexanone	ND		50	UG/L	8260	10/15/2005	13:48
4-Methyl-2-pentanone	ND		50	UG/L	8260	10/15/2005	13:48
Acetone	ND		50	UG/L	8260	10/15/2005	13:48
Benzene	ND		10	UG/L	8260	10/15/2005	13:48
Bromodichloromethane	ND		10	UG/L	8260	10/15/2005	13:48
Bromoform	ND		10	UG/L	8260	10/15/2005	13:48
Bromomethane	ND		10	UG/L	8260	10/15/2005	13:48
Carbon Disulfide	ND		10	UG/L	8260	10/15/2005	13:48
Carbon Tetrachloride	ND		10	UG/L	8260	10/15/2005	13:48
Chlorobenzene	ND		10	UG/L	8260	10/15/2005	13:48
Chloroethane	ND		10	UG/L	8260	10/15/2005	13:48
Chloroform	ND		10	UG/L	8260	10/15/2005	13:48
Chloromethane	ND		10	UG/L	8260	10/15/2005	13:48
cis-1,2-Dichloroethene	10		10	UG/L	8260	10/15/2005	13:48
cis-1,3-Dichloropropene	ND		10	UG/L	8260	10/15/2005	13:48
Cyclohexane	ND		10	UG/L	8260	10/15/2005	13:48
Dibromochloromethane	ND		10	UG/L	8260	10/15/2005	13:48
Dichlorodifluoromethane	ND		10	UG/L	8260	10/15/2005	13:48
Ethylbenzene	ND		10	UG/L	8260	10/15/2005	13:48
Isopropylbenzene	ND		10	UG/L	8260	10/15/2005	13:48
Methyl acetate	ND		10	UG/L	8260	10/15/2005	13:48
Methyl-t-Butyl Ether (MTBE)	13		10	UG/L	8260	10/15/2005	13:48
Methylcyclohexane	ND		10	UG/L	8260	10/15/2005	13:48
Methylene chloride	ND		10	UG/L	8260	10/15/2005	13:48
Styrene	ND		10	UG/L	8260	10/15/2005	13:48
Tetrachloroethene	1000	EE	10	UG/L	8260	10/15/2005	13:48
Toluene	ND		10	UG/L	8260	10/15/2005	13:48
Total Xylenes	ND		30	UG/L	8260	10/15/2005	13:48
trans-1,2-Dichloroethene	ND		10	UG/L	8260	10/15/2005	13:48
trans-1,3-Dichloropropene	ND		10	UG/L	8260	10/15/2005	13:48
Trichloroethene	41		10	UG/L	8260	10/15/2005	13:48
Trichlorofluoromethane	ND		10	UG/L	8260	10/15/2005	13:48
Vinyl chloride	ND		10	UG/L	8260	10/15/2005	13:48

Date: 10/22/2005

Time: 14:26:01

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

Sample ID: Influent
Lab Sample ID: A5A95902
Date Collected: 10/03/2005
Time Collected: 09:45

Date Received: 10/03/2005
Project No: NY5A9393.3
Client No: 397714
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Wet Chemistry Analysis								
pH	7.37		0	S.U.	150.1	10/04/2005	08:50	LRM
Total Hardness	418		4.0	MG/L	130.2	10/04/2005	19:35	SM

Sample ID: Influent

Date Received: 10/03/2005

Lab Sample ID: A5A95902DL

Project No: NY5A9393.3

Date Collected: 10/03/2005

Client No: 397714

Time Collected: 09:45

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time	
			Limit	Units		Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 25 ML							
1,1,1-Trichloroethane	ND		50	UG/L	8260	10/15/2005	01:01
1,1,2,2-Tetrachloroethane	ND		50	UG/L	8260	10/15/2005	01:01
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	UG/L	8260	10/15/2005	01:01
1,1,2-Trichloroethane	ND		50	UG/L	8260	10/15/2005	01:01
1,1-Dichloroethane	ND		50	UG/L	8260	10/15/2005	01:01
1,1-Dichloroethene	ND		50	UG/L	8260	10/15/2005	01:01
1,2,4-Trichlorobenzene	ND		50	UG/L	8260	10/15/2005	01:01
1,2-Dibromo-3-chloropropane	ND		50	UG/L	8260	10/15/2005	01:01
1,2-Dibromoethane	ND		50	UG/L	8260	10/15/2005	01:01
1,2-Dichlorobenzene	ND		50	UG/L	8260	10/15/2005	01:01
1,2-Dichloroethane	ND		50	UG/L	8260	10/15/2005	01:01
1,2-Dichloropropane	ND		50	UG/L	8260	10/15/2005	01:01
1,3-Dichlorobenzene	ND		50	UG/L	8260	10/15/2005	01:01
1,4-Dichlorobenzene	ND		50	UG/L	8260	10/15/2005	01:01
2-Butanone	ND		250	UG/L	8260	10/15/2005	01:01
2-Hexanone	ND		250	UG/L	8260	10/15/2005	01:01
4-Methyl-2-pentanone	ND		250	UG/L	8260	10/15/2005	01:01
Acetone	ND		250	UG/L	8260	10/15/2005	01:01
Benzene	ND		50	UG/L	8260	10/15/2005	01:01
Bromodichloromethane	ND		50	UG/L	8260	10/15/2005	01:01
Bromoform	ND		50	UG/L	8260	10/15/2005	01:01
Bromomethane	ND		50	UG/L	8260	10/15/2005	01:01
Carbon Disulfide	ND		50	UG/L	8260	10/15/2005	01:01
Carbon Tetrachloride	ND		50	UG/L	8260	10/15/2005	01:01
Chlorobenzene	ND		50	UG/L	8260	10/15/2005	01:01
Chloroethane	ND		50	UG/L	8260	10/15/2005	01:01
Chloroform	ND		50	UG/L	8260	10/15/2005	01:01
Chloromethane	ND		50	UG/L	8260	10/15/2005	01:01
cis-1,2-Dichloroethene	ND		50	UG/L	8260	10/15/2005	01:01
cis-1,3-Dichloropropene	ND		50	UG/L	8260	10/15/2005	01:01
Cyclohexane	ND		50	UG/L	8260	10/15/2005	01:01
Dibromochloromethane	ND		50	UG/L	8260	10/15/2005	01:01
Dichlorodifluoromethane	ND		50	UG/L	8260	10/15/2005	01:01
Ethylbenzene	ND		50	UG/L	8260	10/15/2005	01:01
Isopropylbenzene	ND		50	UG/L	8260	10/15/2005	01:01
Methyl acetate	ND		50	UG/L	8260	10/15/2005	01:01
Methyl-t-Butyl Ether (MTBE)	ND		50	UG/L	8260	10/15/2005	01:01
Methylcyclohexane	ND		50	UG/L	8260	10/15/2005	01:01
Methylene chloride	ND		50	UG/L	8260	10/15/2005	01:01
Styrene	ND		50	UG/L	8260	10/15/2005	01:01
Tetrachloroethene	1400	D	50	UG/L	8260	10/15/2005	01:01
Toluene	ND		50	UG/L	8260	10/15/2005	01:01
Total Xylenes	ND		150	UG/L	8260	10/15/2005	01:01
trans-1,2-Dichloroethene	ND		50	UG/L	8260	10/15/2005	01:01
trans-1,3-Dichloropropene	ND		50	UG/L	8260	10/15/2005	01:01
Trichloroethene	44	DJ	50	UG/L	8260	10/15/2005	01:01
Trichlorofluoromethane	ND		50	UG/L	8260	10/15/2005	01:01
Vinyl chloride	ND		50	UG/L	8260	10/15/2005	01:01

Batch Quality Control Data

Date: 10/22/2005 15:00:41
Batch No: A5B15Z79

MS/MSD Batch QC Results

Rept: AM1392

Lab Sample ID: A5A89508 A5A89508MS

Analyte	Units of Measure	Concentration		Spike Amount	% Recovery MS	QC LIMITS
		Sample	Matrix Spike			
WET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	MG/L	772.7	1415	800.0	80	74-130

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

Chronology and QC
Summary Package

Date: 10/22/2005
Time: 14:26:08

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

Rept: AM1247

16/26

Client ID Job No Sample Date	Lab ID	VBLK51 A05-A959	A5B1593502	vblk52 A05-A959	A5B1607202	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	5.0	ND	5.0	NA	5.0	NA	5.0	NA	5.0
Benzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Bromodichloromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Bromoform	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Bromomethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
2-Butanone	UG/L	ND	5.0	ND	5.0	NA	5.0	NA	5.0	NA	5.0
Carbon Disulfide	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Carbon Tetrachloride	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Chlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Chloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Chloroform	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Chloromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Cyclohexane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,2-Dibromoethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Dibromochloromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,2-Dibromo-3-chloropropane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,2-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,3-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,4-Dichlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Dichlorodifluoromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,1-Dichloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,2-Dichloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,1-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
cis-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
trans-1,2-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,2-Dichloropropane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
cis-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
trans-1,3-Dichloropropene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Ethylbenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
2-Hexanone	UG/L	ND	5.0	ND	5.0	NA	5.0	NA	5.0	NA	5.0
Isopropylbenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Methyl acetate	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Methylcyclohexane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Methylene chloride	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
4-Methyl-2-pentanone	UG/L	ND	5.0	ND	5.0	NA	5.0	NA	5.0	NA	5.0
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Styrene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,1,2,2-Tetrachloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Tetrachloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Toluene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,2,4-Trichlorobenzene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,1,1-Trichloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,1,2-Trichloroethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0

NA = Not Applicable ND = Not Detected

STL Buffalo

Client ID	Lab ID	VBLK51 A05-A959	A5B1593502	vblk52 A05-A959	A5B1607202	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Trichlorofluoromethane	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Trichloroethene	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Vinyl chloride	UG/L	ND	1.0	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Total Xylenes	UG/L	ND	3.0	ND	3.0	NA	3.0	NA	3.0	NA	3.0
IS/SURROGATE(S)											
Chlorobenzene-D5	%	99	50-200	97	50-200	NA	50-200	NA	50-200	NA	50-200
1,4-Difluorobenzene	%	101	50-200	97	50-200	NA	50-200	NA	50-200	NA	50-200
1,4-Dichlorobenzene-D4	%	95	50-200	95	50-200	NA	50-200	NA	50-200	NA	50-200
Toluene-D8	%	103	7.6-122	98	7.6-122	NA	7.6-122	NA	7.6-122	NA	7.6-122
p-Bromofluorobenzene	%	95	73-120	90	73-120	NA	73-120	NA	73-120	NA	73-120
1,2-Dichloroethane-D4	%	118	72-143	128	72-143	NA	72-143	NA	72-143	NA	72-143

Date: 10/22/2005
Time: 14:26:18

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

Rept: AN1247

Client ID	Lab ID	Method Blank		Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Job No		A05-A959	A5B1527902						
Sample Date									
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	NA	NA

1826

Client Sample ID: VBLK51 MSB51
 Lab Sample ID: A581593502 A581593501

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	29.0	25.0	116	65-142
Trichloroethene	UG/L	29.5	25.0	118	71-120
Benzene	UG/L	30.1	25.0	120	67-126
Toluene	UG/L	25.6	25.0	103	69-120
Chlorobenzene	UG/L	25.3	25.0	102	73-120

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

Client Sample ID: vblk52
 Lab Sample ID: A5B1607202

msb52

A5B1607201

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	24.6	25.0	98	65-142
Trichloroethene	UG/L	25.3	25.0	101	71-120
Benzene	UG/L	26.7	25.0	107	67-126
Toluene	UG/L	20.7	25.0	83	69-120
Chlorobenzene	UG/L	21.3	25.0	85	73-120

Client sample ID: Method Blank LCS
 Lab sample ID: A5B15Z7902 A5B15Z7901

Analyte	Units of Measure	Blank spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
NET CHEMISTRY ANALYSIS METHOD 130.2 - TOTAL HARDNESS AS CaCO3	MG/L	229.2	233.0	98	90-110

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Effluent A05-A959 A5A95901	Influent A05-A959 A5A95902	Influent A05-A959 A5A95902DL
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	10/03/2005 09:47 10/03/2005 13:30 10/15/2005 00:32 - YES WATER 1.0 0.005 LITERS	10/03/2005 09:45 10/03/2005 13:30 10/15/2005 13:48 - YES WATER 10.0 0.005 LITERS	10/03/2005 09:45 10/03/2005 13:30 10/15/2005 01:01 - YES WATER 50.0 0.005 LITERS

METHOD 8260 - TCL VOLATILE ORGANICS.

Client Sample ID Job No & Lab Sample ID	VBLK51 A05-A959 A5B1593502	VBLK52 A05-A959 A5B1607202	
Sample Date	10/14/2005 22:36	10/15/2005 12:49	
Received Date	-	-	
Extraction Date	-	-	
Analysis Date	-	-	
Extraction HT Met?	-	-	
Analytical HT Met?	-	-	
Sample Matrix	WATER	WATER	
Dilution Factor	1.0	1.0	
Sample wt/vol	0.005 LITERS	0.005 LITERS	
% Dry			

MR. C'S SITE-000699.NY06
 SAMPLE CHRONOLOGY

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	T	Analysis Date	ANL A	Matrix
A5A95901	Effluent	RECNY	pH	150.1	1.0		10/03/05 09:47	10/03 13:30	NA	H	10/04 08:50	INI	Matrix
A5A95902	Influent	RECNY	Total Hardness	130.2	2.0		10/03/05 09:47	10/03 13:30	NA		10/04 19:35	LRM	Y WATER
		RECNY	pH	150.1	1.0		10/03/05 09:45	10/03 13:30	NA		10/04 08:50	SM	Y WATER
		RECNY	Total Hardness	130.2	2.0		10/03/05 09:45	10/03 13:30	NA		10/04 19:35	SM	Y WATER

2426

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

Date: 10/22/2005 14:26
 Job No: A05-A959

MR. C'S SITE-000699.NY06
 GC CHRONOLOGY

Rept: AN1250
 Page: 2

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	T	Analysis Date	ANL INI	A H Matrix
A5B1527902	Method Blank	RECNY	Total Hardness	130.2	1.0	-	-	-	NA	H	10/04 19:35	SM	Y WATER

25126

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 Laboratories, Inc.

STL-4124 (0901)

Client: Ecology and Environment, Inc.
 Address: 368 Pleasant View Dr
 City: Lancaster, NY 14086
 Project Name and Location (State): Mr. C's East Aurora, New York
 Contract/Purchase Order/Quote No.:
 Project Manager: Mike Steffan
 Telephone Number (Area Code)/Fax Number: 716-684-8060
 Date: 10-3-05
 Lab Number: 241966
 Chain of Custody Number: 241966
 Page 1 of 1

Sample I.D. No. and Description! (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc			HNOH	
INFILTRANT	10-3-05	0945	X								X					
EFFLUENT	10-3-05	0947	X								X					

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other

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

1. Relinquished By: [Signature] Date: 10-3-05 Time: 0950
 2. Relinquished By: [Signature] Date: 10/3/05 Time: 1330
 3. Relinquished By: [Signature] Date: 10/3/05 Time: 1330

1. Received By: [Signature] Date: 10/3/05 Time: 1330
 2. Received By: [Signature] Date: 10/3/05 Time: 1330
 3. Received By: [Signature] Date: 10/3/05 Time: 1330

Comments:

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

Month	Possible OP		Actual OP Hours	Up-Time		Percent Capacity*	General Operation Comments
	Hours	Percent		Hours	Percent		
September-03	96	100.00%	96	100.00%	58%	Shutdown by Tyree after Separable Part B inspection	
October-03	168	100.00%	168	100.00%	6%	Official Startup by O&M Enterprises on 10/22/03	
November-03	720	100.00%	720	100.00%	5%		
December-03	744	100.00%	744	100.00%	28%		
January-04	672	100.00%	672	100.00%	16%		
February-04	696	100.00%	696	100.00%	21%		
March-04	816	99.88%	815	99.88%	51%		
April-04	672	99.70%	670	99.70%	50%		
May-04	696	73.71%	513	73.71%	43%	Equipment shutdown- low flow of water to air stripper - 5/17-24/04	
June-04	696	98.43%	692	98.43%	30%	Individual pumps shutdown for inspection and cleaning	
July-04	840	100.00%	840	100.00%	47%	100% operational	
August-04	672	100.00%	672	100.00%	42%	100% operational	
September-04	840	97.62%	820	97.62%	31%	Temporary Stripper Shutdown	
October-04	672	90.33%	607	90.33%	33%	65 hour weekend shutdown due to low pressure problems with the airstripper	
November-04	696	92.17%	641.5	92.17%	37%		
December-04	816	97.06%	792	97.06%	42%	GAC units removed from treatment system operations	
January-05	840	100.00%	840	100.00%	46%	GAC units removed from project site 1/14/05	
February-05	672	99.21%	660	99.21%	41%	Unit cleaned February 4, 2005	
March-05	840	98.57%	828	98.57%	33%	Unit shut down for additional cleaning and sequestering agent review.	
April-05	696	87.50%	609	87.50%	58%	Unit cleaned April 8, 2005. Back in service until new sequestering agent approved and installed.	
May-05	840	91.43%	768	91.43%	36%	Unit re-cleaned and new water treatment chemical started operations on 5/19/05	
June-05	744	86.56%	644	86.56%	30%	Extremely dry month of June.	
July-05	624	97.04%	605.5	97.04%	44%	Extremely dry month of July.	
August-05	696	100.00%	696	100.00%	44%	Extremely dry month of August.	
September-05	864	100.00%	864	100.00%	40%	Extremely dry month of September.	
October-05	672	100.00%	672	100.00%	39%	Extremely dry month of October.	
Totals to Date	18000	96.36%	17345	96.36%		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 (11/04 to 11/05)							
	Ave./Month						
Mr. C's Electric	\$ 1,557.21						
Agway Electric	\$ 199.71						
Mr. C's Gas	\$ 21.79						
Mr. C's Telephone	\$ 39.09						
Ave. Utility Cost Total	\$ 1,957.78		times	12 month Estimate	\$25,451.18		