



ecology and environment engineering, p.c.

International Specialists in the Environment

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October 10, 2012

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

Re: Mr. C's Dry Cleaners Site, Contract # D004442, DC13, Site # 9-15-157
September 2012 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEP) is pleased to provide the September 2012 Operations, 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 prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in Attachment A. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MLI) are provided as Attachments B. The full analytical reports along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for September 2012, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations Information

- Checklists for weekly system inspections from IEG are provided as Attachment A for 9/4/12, 9/10/12, 9/24/12, and 10/1/12. Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100.00% operational uptime (Table 1) and the treatment of contaminated groundwater totaling of 211,231 gallons (Table 2) for August 2012.
- The remedial treatment system maintained a 100% operational uptime; however, the groundwater treatment volume was reduced from previous month's volumes due to maintenance issues with pumps PW-6, PW-7, and PW-8. These pumps will be replaced and brought back online pending the final work plan approval to purchase new pumps.
- Initial sampling occurred on September 24, 2012 with the analytical results received on October 1, 2012. The results of the sampling indicated no compliance issues with the effluent discharge requirements for Tetrachloroethene (PCE) or any other contaminants on the SPDES Equivalency Permit. The PCE effluent results for September 2012 were "non-detect" (<1.0 ug/L).

- The analytical results revealed the influent concentration to be 153.5 µg/L or 153.5 ppb, and 0.0 µg/L or 0.0 ppb of treated effluent. PCE effluent concentrations were “non-detect” (< 1 µg/L or < 1 ppb) which is under the 10 µg/L or 10 ppb limit. The summary of influent and effluent contaminant concentrations for the September 24, 2012 sampling events is presented in Table 4.
- The cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 9/4/12 to 10/1/12 was 100.0%. The air stripper unit on the Mr. C’s property is currently in compliance and MLI continues to provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. The summary of Effluent Discharge Criteria & Analytical Compliance Results for September 2012 is presented in Table 3.
- The Mr. C’s treatment system based on the total monthly flows has effectively removed 0.27 lbs. of targeted contaminants from the groundwater below the site in the month of September 2012. The calculations and data for the month are presented in Table 5.

Mr. C’s Site – Updated Property Information

- In December 2011, operations ceased with the Mr. C’s Dry Cleaners business. Dry cleaning equipment and ancillary equipment were removed from the premises from January to April 2012. In May, activity was noticed with cosmetic changes inside and outside of the building. In late May, the exterior siding of the building was removed and west side of the building was repainted and refurbished (A photo-documentation report will be sent under separate cover).
- During the week of June 4, the parking lot west of the treatment building was repaved. IEG was on-site to observe the paving program and photo documented the repaving.
- Contact information regarding the property owner and party leasing the Mr. C’s building was provided to the NYSDEC. The information provided is as follows: Property owner – DelTora LLC – Point of Contact - Mr. Paul Bendrowski – 231-313-1954 (Traverse City, MI). Property Lease – Intrepid Automotive Partners – Dave Kern – 716-481-5703 (East Aurora, NY).

Agway Site Remedial Information

- The Agway facility treatment unit was turned off in December 2011.
- The facility was turned off as a results of future bioaugmentation work in that area and as directed by the NYSDEC Project manager.
- Contact was received from a local architect (Liz Megan 901-3029) regarding the redevelopment of the former Agway for a single story building without a basement. Contact report information was passed onto NYSDEC PM and the architectural firm to discuss the issues related to the property.

Subslab Depressurization Systems (SSDS) – First Presbyterian Church and 27 Whaley Ave. sites

- No current operational issues.

Mr. William Welling, Project Manager

October 10, 2012

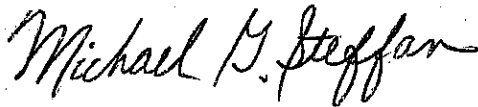
Page 3 of 3

Mr. C's and Agway Energy Usage Information

- A copy of the site utility costs from the Mr. C's and Agway remedial operations for January through September 2012 are provided as Attachment C.
- The Agway system power was turned off in December 2011.

If you have questions regarding the September 2012 OM&M report summary, please do not hesitate to contact me at 716-684-8060.

Very Truly Yours,
Ecology and Environment Engineering, P. C.



Michael G. Steffan
Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments
D. Iyer, IEG - w/attachments
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Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time
(Up-time from inception to 1/4/12)	79,183.50	96.27%
January 4, 2012 - February 2, 2012	696	100.00%
February 2, 2012 - March 5, 2012	768	100.00%
March 5, 2012 - April 4, 2012	720	100.00%
April 4, 2012 - April 30, 2012	624	100.00%
April 30, 2012 - June 6, 2012	888	100.00%
June 6, 2012 - July 2, 2012	624	100.00%
July 2, 2012 - July 30, 2012	672	100.00%
July 30, 2012 - September 4, 2012	864	100.00%
September 4, 2012 - October 1, 2012	648	100.00%
		#DIV/0!
		#DIV/0!
		#DIV/0!
Total Hours from System Startup '2/02'	85,687.50	

Average Operational Up-time from startup = 96.55%
Average Operational Up-time for 2012 = 100.00%

NOTES:

1. Up-time based as percentage of total reporting hours.
2. Treatment system operated by the Tyree Organization Ltd. from 9/02 - 9/03.
3. Treatment system operated by O&M Enterprises Inc. from 10/03 - 7/07.
4. Treatment system operated by Iyer Environmental Group from 7/07 to present.

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

Month	Actual Period	Gallons (Treated Effluent)
Total - Inception to December 2011	9/5/02 - 12/4/12	118,436,077
January 2012 ³	1/5/12 - 2/2/12	451,020
February 2012 ³	2/2/12 - 3/5/12	422,955
March 2012 ³	3/5/12 - 4/4/12	357,397
April 2012 ³	4/4/12 - 4/30/12	208,864
May 2012	4/30/12 - 6/6/12	348,980
June 2012	6/6/12 - 7/2/12	236,975
July 2012	7/2/12 - 7/30/12	240,837
August 2012	7/30/12 - 9/4/12	268,929
September 2012	9/4/12 - 10/1/12	211,231
Total Gallons Treated in 2012		2,747,188
Total Gallons Treated To Date:		121,183,265

NOTES:

1. System operated by Tyree Organization Ltd. From 9/02 - 9/03.
2. System operated by O&M Enterprises from 10/03 - 7/07.
3. System operated by IEG PLLC from 7/07 - present.

Table 3
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Effluent Discharge Criteria & Analytical Compliance Results

Parameter/Analyte	Daily Maximum	Units	September 24, 2012 - Effluent Analytical Values Compliance
Flow	N/A	gpd	7,823
pH	6.0 - 9.0	standard units	8.3
1,1 Dichloroethene	10	µg/L	1.0 U
1,1 Dichloroethane	10	µg/L	1.0 U
cis-1,2-dichloroethene	10	µg/L	1.0 U
Trichloroethene	10	µg/L	1.0 U
Tetrachloroethene	10	µg/L	1.0 U
Vinyl Chloride	10	µg/L	1.0 U
Benzene	5	µg/L	1.0 U
Ethylbenzene	5	µg/L	1.0 U
Methylene Chloride	10	µg/L	1.0 U
1,1,1 Trichloroethane	10	µg/L	1.0 U
Toluene	5	µg/L	1.0 U
Methyl-t-Butyl Ether (MTBE)	NA	µg/L	1.0 U
o-Xylene ²	5	µg/L	NA
m, p-Xylene ²	10	µg/L	NA
Total Xylenes	NA	µg/L	1.0 U
Iron, total	600	µg/L	NA ⁴
Aluminum	4,000	µg/L	NA ⁴
Copper	48	µg/L	NA ⁴
Lead	11	µg/L	NA ⁴
Manganese	2,000	µg/L	NA ⁴
Silver	100	µg/L	NA ⁴
Vanadium	28	µg/L	NA ⁴
Zinc	230	µg/L	NA ⁴
Total Dissolved Solids	850	mg/L	NA ⁴
Total Suspended Solids	20	mg/L	NA ⁴
Hardness	N/A	mg/L	490
Cyanide, Free	10	µg/L	NA ⁴

NOTES:

1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
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 July 2, 2012 through July 30, 2012. Total gallons: 240,837 divided by 28 operating days.
7. "J" indicates an estimated value below the detection limit.
8. "B" indicates analyte found in the associated blank.

40 Indicates non-compliance with the NYSDEC effluent discharge requirements
NR Indicates Not Reported by Lab

Table 4
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
September 2012 VOC Analytical Summary

Compound	Based on the 9/24/12 Effluent Sampling Results		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency** (%)
Acetone	ND (<50)	U ND (<5.0)	NA
Benzene	ND (<10)	U ND (<1.0)	NA
2-Butanone	ND (<50)	U ND (<5.0)	NA
cis-1, 2-Dichloroethene	0.93	J ND (<1.0)	100.00%
Chloroform	ND (<10)	U ND (<1.0)	NA
Methylene chloride	ND (<10)	U ND (<1.0)	NA
Methyl tert-butyl ether (MTBE)	0.55	J ND (<1.0)	100.00%
Tetrachloroethene	150.0	U ND (<1.0)	100.00%
Toluene	ND (<10)	U ND (<1.0)	NA
Trichloroethene	2.0	U ND (<1.0)	100.00%
Carbon Disulfide	ND (<10)	U ND (<1.0)	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<10)	U ND (<1.0)	NA
1,1,1-Trichloroethene	1.1	U ND (<1.0)	NA
Cyclohexane	ND (<10)	U ND (<1.0)	NA
trans-1,2-dichloroethene	ND (<10)	U ND (<1.0)	NA
Chlorobenzene	ND (<10)	U ND (<1.0)	NA
Methylcyclohexane	ND (<10)	U ND (<1.0)	NA
Methyl acetate	ND (<10)	U ND (<1.0)	NA
Total Xylenes	ND (<10)	U ND (<1.0)	NA
September 2012 TOTALS (in ug/L) =	154.6	0.00	100.00%

- Notes:
1. "NA" = Not applicable
 2. "U" = Compound analyzed, but was not detected. Detection limit in parentheses.
 3. "DJ" or "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
 4. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
 5. "D" indicates the compound concentration was obtained from a secondary dilution analysis.

* (<50) - Detection Limit
 ** Contaminants of Concern only

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

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
Total pounds of VOCs removed from inception to December 2011 =				1525.66
January 2012	1/4/12 - 2/2/12	2829.0	2.90	10.77
February 2012	2/2/12 - 3/5/12	809.7	3.77	3.03
March 2012	3/5/12 - 4/4/12	653.0	3.30	1.94
April 2012	4/4/12 - 4/30/12	602.0	2.10	1.05
May 2012	4/30/12 - 6/6/12	431.5	1.52	1.25
June 2012	6/6/12 - 7/2/12	690.1	1.80	1.36
July 2012	7/2/12 - 7/30/12	615.6	0.56	0.27
August 2012	7/30/12 - 9/4/12	266.8	0.00	0.60
September 2012	9/4/12 - 10/1/12	153.5	0.00	0.27
October 2012				
November 2012				
December 2012				
Total pounds of VOCs removed from inception =				1,546.21
Total pounds of VOCs removed in 2012 =				20.55

HISTORICAL 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 7/07.
9. Treatment system operated by IEG from 7/07 to present.

CONVERSIONS:

1 pound = 453.5924 grams
1 gallon = 3.785 liters

Based on the Analytical Results from Each Month:

Pounds of VOCs removed calculated by the following formula:

$$(VOCs_{Influent} - VOCs_{Effluent})(\mu g/L) \cdot (1g/10^6 \mu g) \cdot (1 lb/453.5924 g) \cdot (Monthly\ process\ water)(gal) \cdot (3.785 L/gallon)$$

Attachment A
IEG Weekly Inspection Reports
September 2012

Including:

9/4/12

9/10/12

9/24/12

10/1/12

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: <u>4-Sep-12</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____	
WEATHER CONDITIONS: <u>Partly cloudy, warm</u>		OUTSIDE TEMPERATURE (° F): <u>79</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <input checked="" type="checkbox"/> If "NO", provide explanation below			
<u>PW-6, PW-7 and PW-8 are OFF due to maintenance problems.</u>			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>5</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft
PW-5	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>4</u> ft
PW-6	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>13</u> ft
PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>19</u> ft
PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>19</u> ft
EQUALIZATION TANK: <u>3</u> ft		Last Alarm D/T/Condition: <u>7/26/12 Air Stripper Low Level</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>13</u> gpm		INFLUENT TOTALIZER READING: <u>4,100,283.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>15</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>25.5</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>8.0</u> ml/min		METERING PUMP PRESSURE: <u>2.0</u> psi	
BAG FILTER PRESSURES:			
	Top	Bottom	
LEFT:	<u>0</u>	<u>0</u> psi	RIGHT: <u>6</u> Top Bottom <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		INFLUENT PUMP PRESSURE: <u>13</u> psi	
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>16.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.019</u> in. H ₂ O		DISCHARGE PRESSURE: <u>4.4</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>2.0</u> psi	
EFFLUENT FLOW RATE: <u>114</u> gpm		EFFLUENT TOTALIZER READING: <u>68,740,398</u> 198520 gallons	
ARE BUILDING HEATERS IN USE? YES: _____ NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (° F): <u>87</u>	
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: _____	
WATER LEVEL IN SUMP: <u>6.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____	

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

4-Sep-12

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____	_____

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 below:

PW-4 has collapsed inner ring. PZ-1B has missing top cover and is temporarily sealed.

There are puddles on some MWs and UEs from recent rain.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Vent in roof leaked over Air Stripper Control Panel during rainstorm.

Other Actions: Poured remains of old Redux drum into present drum:

Changed bag filters.

AGWAY

SYSTEM VACUUM: _____ in. H ₂ O			AIR PRESSURE: _____ psi		
SP-1:	_____ scfm	_____ psi	SP-5:	_____ scfm	_____ psi
SP-2:	_____ scfm	_____ psi	SP-6:	_____ scfm	_____ psi
SP-3:	_____ scfm	_____ psi	SP-7:	_____ scfm	_____ psi
SP-4:	_____ scfm	_____ psi	SP-8:	_____ scfm	_____ psi

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: System is OFF until further instructions.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: <u>10-Sep-12</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____									
WEATHER CONDITIONS: <u>Partly cloudy, warm</u>		OUTSIDE TEMPERATURE (° F): <u>65</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <input checked="" type="checkbox"/>											
If "NO", provide explanation below <u>PW-6, PW-7 and PW-8 are OFF due to maintenance problems.</u>											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-5 ON: _____ OFF: <input checked="" type="checkbox"/> <u>7</u> ft								
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-6 ON: <input checked="" type="checkbox"/> OFF: _____ <u>13</u> ft								
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: _____ <u>19</u> ft								
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: _____ <u>18</u> ft								
EQUALIZATION TANK: <u>5</u> ft		Last Alarm D/T/Condition: <u>9/4/12 Air Stripper Low Level</u>									
NOTES: _____											
INFLUENT FLOW RATE: <u>11</u> gpm		INFLUENT TOTALIZER READING: <u>4,180,488.0</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>15</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>25.5</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>9.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</u> psi									
BAG FILTER PRESSURES:											
LEFT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	0	0	RIGHT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">6</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	6	0
Top	Bottom										
0	0										
Top	Bottom										
6	0										
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		INFLUENT PUMP PRESSURE: <u>13</u> psi									
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>17.0</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.015</u> in. H ₂ O		DISCHARGE PRESSURE: <u>4.6</u> in. H ₂ O									
EFFLUENT PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>3.0</u> psi									
EFFLUENT FLOW RATE: <u>0.015</u> gpm		EFFLUENT TOTALIZER READING: <u>68,785,760</u> 244850 gallons									
ARE BUILDING HEATERS IN USE? YES: _____ NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (° F): <u>70</u>									
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: _____ NO: <input checked="" type="checkbox"/>									
WATER LEVEL IN SUMP: <u>7.5</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____									

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

10-Sep-12

SAMPLES COLLECTED? YES: _____ NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____	_____

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 below:

PW-4 has collapsed inner ring. PZ-1B has missing top cover and is temporarily sealed.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Decreased Jesco Pump slightly to: Left 2.4; Right 1.4.

Other Actions: Swept spruce needles from Library parking lot around groups PW-4, PW-6 and PW-7.

AGWAY

SYSTEM VACUUM: _____ in. H ₂ O			AIR PRESSURE: _____ psi		
SP-1: _____	scfm _____	psi _____	SP-5 _____	scfm _____	psi _____
SP-2: _____	scfm _____	psi _____	SP-6 _____	scfm _____	psi _____
SP-3: _____	scfm _____	psi _____	SP-7 _____	scfm _____	psi _____
SP-4: _____	scfm _____	psi _____	SP-8 _____	scfm _____	psi _____

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: System is OFF until further instructions.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 24-Sep-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, drizzle, cool OUTSIDE TEMPERATURE (°F): 50

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-6, PW-7 and PW-8 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>7</u> ft	PW-5	ON: <input checked="" type="checkbox"/>	OFF: <u>5</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: <u>13</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: <u>23</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: <u>19</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 9/4/12 Air Stripper Low Level

NOTES: Pumps at PW-6, PW-7 and PW-8 need to be replaced; PW-8 needs a higher HP pump; awaiting work plan approval to purchase the pumps

INFLUENT FLOW RATE: 6 gpm INFLUENT TOTALIZER READING: 4,359,525.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 10 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 17 gallons
 SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 3.0 psi

	Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT: <u>50</u>	<u>0</u> psi	RIGHT:	<u>53</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 13 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 16.0 in. H₂O
 AIR STRIPPER DIFFERENTIAL PRESSURE: 0.013 in. H₂O DISCHARGE PRESSURE: 4.3 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 3.0 psi
 EFFLUENT FLOW RATE: 116 gpm EFFLUENT TOTALIZER READING: 68,890,711 352160 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: INSIDE TEMPERATURE (°F): 64

IS SUMP PUMP IN USE: YES: NO: _____ ARE ANY LEAKS PRESENT? YES: _____ NO:
 WATER LEVEL IN SUMP: 6.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

24-Sep-12

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	2:00 PM	7.45	6.44	16.4	990
AIR STRIPPER EFFLUENT:	EFF	2:00 PM	8.77	7.18	16.6	2204

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 below:

PW-4 has collapsed inner ring. PZ-1B has missing top cover and is temporarily sealed.

Most of the MWs and UEs have puddles on them from ongoing rain.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks:

Other Actions: Change bag filters

AGWAY

SYSTEM VACUUM: _____ in. H ₂ O			AIR PRESSURE: _____ psi		
SP-1: _____	scfm _____	psi _____	SP-5: _____	scfm _____	psi _____
SP-2: _____	scfm _____	psi _____	SP-6: _____	scfm _____	psi _____
SP-3: _____	scfm _____	psi _____	SP-7: _____	scfm _____	psi _____
SP-4: _____	scfm _____	psi _____	SP-8: _____	scfm _____	psi _____

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: System is OFF until further instructions.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 1-Oct-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, warm OUTSIDE TEMPERATURE (°F): 64

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-6, PW-7 and PW-8 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>8</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>4</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>13</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>4</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>12</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>8</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>17</u> ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 9/24/12 Air Stripper Low Level

NOTES: Pumps at PW-6, PW-7 and PW-8 need to be replaced; PW-8 needs a higher HP pump; awaiting work plan approval to purchase the pumps

INFLUENT FLOW RATE: 13 gpm INFLUENT TOTALIZER READING: 4,460,575.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 6 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 10 gallons

SEQUESTERING AGENT FEED RATE: 9.0 ml/min METERING PUMP PRESSURE: 3.0 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>0</u>	<u>0</u> psi	RIGHT:	<u>6</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 13 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 16.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.012 in. H₂O DISCHARGE PRESSURE: 4.5 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 3.0 psi

EFFLUENT FLOW RATE: 116 gpm EFFLUENT TOTALIZER READING: 68,951,629 414300 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: INSIDE TEMPERATURE (°F): 70

IS SUMP PUMP IN USE: YES: NO: _____ ARE ANY LEAKS PRESENT? YES: _____ NO:

WATER LEVEL IN SUMP: 7.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

1-Oct-12

SAMPLES COLLECTED? YES: _____ NO:

Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____

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 below:

PW-4 has collapsed inner ring. PZ-1B has missing top cover and is temporarily sealed.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Have (1) full drum of Redux.

Other Actions:

AGWAY

SYSTEM VACUUM: _____ in. H ₂ O			AIR PRESSURE: _____ psi		
SP-1: _____	scfm _____	psi _____	SP-5: _____	scfm _____	psi _____
SP-2: _____	scfm _____	psi _____	SP-6: _____	scfm _____	psi _____
SP-3: _____	scfm _____	psi _____	SP-7: _____	scfm _____	psi _____
SP-4: _____	scfm _____	psi _____	SP-8: _____	scfm _____	psi _____

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: System is OFF until further instructions.

Other Actions:

MR. C's DRY CLEANERS SITE
 NYSDEC Site #9-15-157
OM&M: PIEZOMETER WATER LEVEL LOG

Date: 17-Sep-12

Measurements taken by: R. Allen

RW-1	15.20 ft	Comments:	
PZ-1A	12.11 ft	Comments:	
PZ-1B	----- ft	Comments:	damaged
PZ-1C	19.71 ft	Comments:	
PZ-1D	13.39 ft	Comments:	
PW-2	13.70 ft	Comments:	
PZ-2A	11.94 ft	Comments:	
PZ-2B	12.27 ft	Comments:	
PZ-2C	11.63 ft	Comments:	
MW-7	12.26 ft	Comments:	Substitute for 2D
PW-3	19.40 ft	Comments:	
PZ-3A	12.41 ft	Comments:	
PZ-3B	12.82 ft	Comments:	
PZ-3C	12.95 ft	Comments:	
PZ-3D	12.48 ft	Comments:	
PW-4	----- ft	Comments:	collapsed ring
PZ-4A	12.53 ft	Comments:	
PZ-4B	11.76 ft	Comments:	
PZ-4C	----- ft	Comments:	sealed over
PZ-4D	11.38 ft	Comments:	

PW-5	17.90 ft	Comments:	
PZ-5A	11.70 ft	Comments:	
PZ-5B	11.75 ft	Comments:	
PZ-5C	11.32 ft	Comments:	
PZ-5D	12.12 ft	Comments:	
PW-6	12.30 ft	Comments:	
PZ-6A	12.50 ft	Comments:	
PZ-6B	12.35 ft	Comments:	
PZ-6C	12.66 ft	Comments:	
PZ-6D	14.20 ft	Comments:	Shown as RW-2 on map
PW-7	4.00 ft	Comments:	
MPI-6S	12.18 ft	Comments:	
PZ-7B	12.15 ft	Comments:	
OW-B	12.09 ft	Comments:	
PZ-7D	12.10 ft	Comments:	
PW-8	8.20 ft	Comments:	
PZ-8A	9.06 ft	Comments:	
PZ-8B	9.00 ft	Comments:	
PZ-8C	8.83 ft	Comments:	
PZ-8D	8.59 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS			
RW-1 pump on?	Yes	<input checked="" type="checkbox"/> No	
PW-2 pump on?	Yes	<input checked="" type="checkbox"/> No	
PW-3 pump on?	Yes	<input checked="" type="checkbox"/> No	
PW-4 pump on?	Yes	<input checked="" type="checkbox"/> No	
PW-5 pump on?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
PW-6 pump on?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
PW-7 pump on?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
PW-8 pump on?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 9/2012

DATE	ACTIVITY
4-Sep	OM&M Weekly Inspection. Changed bag filters. Met with IAE about roof vent leak. End of month summaries.
5-Sep	UM office work
10-Sep	OM&M Weekly Inspection. Swept spruce needles off of Library parking lot.
17-Sep	Piezometer Readings
18-Sep	OM&M Weekly Inspection
24-Sep	OM&M Weekly Inspection and Sampling. Changed bag filters.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 9/2012

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Clean Effluent Pumps and	Effluent Meter is running slowly. Disassemble and clean pumps and meter.	Apr-12
Repair Blower #2	Determined that bearing is failing in Air Stripper Blower Motor. Replace motor with new motor. Determine that replacement motor is defective. Pull new motor for warranty repair. Have blower fan balanced before reinstalling.	Jun-12
Add Inline filter to Compressor	The Condensate Removal Valve (CRV) on the Air Compressor gets stuck open by occasional pieces of debris from the air tank. Put filter on hose before the CRV.	on hold
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	on hold
AS / SVE System Evaluation	Agway Shed - test & evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	on hold
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezometer in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Agway Shed Concrete Dump	Approximately 1/4 yard of concrete was washed out on the north side of the Agway Shed. Concrete should be removed.	on hold
Trim Broken Piezometers	Many of the piezometers are broken. Measuring water levels is not precise when a pipe is broken. Identify and trim all broken piezometers.	in progress
Cool Treatment Room	Temperature in Treatment Room is well above 90 degrees during the summer months. Need to increase outside air inflow to the room.	in progress
Replace Air Stripper Exhaust	Present Air Stripper exhaust is very heavy and leaks moisture. Replace with lighter system.	in progress
Bank 2 Timer is defective	The Bank 2 Timer inside the Agway Shed stopped working. Dismantle Timer and take for repair or replace defective parts.	on hold
PW-7 pitless adapter	Pitless adapter does not seal well. Repair or replacer pitless adapter	in progress
PW-8 pitless adapter	Pitless adapter feels brokent/does not seal well. Repair/replace pitless adapter	in progress
PZ-1B Repair	Top cover was knocked off and lost by snowplow. Replace inner ring and lower height so MW will not be as susceptible to snowplow damage.	in progress
Adjust Air Stripper	Effluent lab results were below standard. Troubleshoot and adjust Air Stripper to achieve better results.	in progress
Mr Cs Building Remodel	The Mr Cs building is being remodeled - In May, it included siding and lights around the Treatment Room. Photo document the remodeling.	Aug-12
Mr Cs Parking Lot Repaving	During early June the paved parking lot is being repaved. Talk to property manager and paving contractors about MWs and UEs. Photo document the remodeling.	Jun-12
Auto Alarm will not program	Remove Verbatim Auto Alarm and send to RACO for repair. Reinstall repaired unit.	Jun-12
Replace Discharge Vent Cap	Air Stripper exhaust vent is not large enough and creates too much backpressure. Replace existing cap with one that has a larger exhaust vent.	in progress
Replace Panelview Bulb	OEM bulb burns very hot and is expensive to replace. Replace with aftermarket bulb that burns cooler and lasts longer.	in progress
PW-6, PW-7 and PW-8 are not pumping down	Inspect and clean pump and transducer. Inspect pitless adapter to gauge condition of horizontal lines; awaiting Work Plan approval to get replacement pumps	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2012

as of Sep 12

ID	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PITLESS ADAPTER	HORIZONTAL PIPE	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	May 10, Jan 12	Feb 08, Jan 12	May-10			May 10, Jan 12					
PW - 2	Aug 09, May 10	Jul-08				Nov 11, May 10	Sep 09, Nov 11		Aug-09	Nov-11	Sep-09
PW - 3	Aug 09, May 10	Jul 08, Dec 11		Repair adapter		Aug 09, Nov 11	Nov-11		Aug-09	Nov-11	
PW - 4	Sep 09, May 10, Jan 12	Dec 07, Jan 12				May 10, Nov 11	Nov-11		Jul 09, Sep 09	Sep 09, Nov 11	Sep-09
PW - 5	Jan-12	Jul 08, Jan 12				Mar-11	Jan-12	Sep-09		Jan-12	
PW - 6	Jul 09, Jul 12	Jun 08, Aug 09			Pipe 8/09, Jul 12	Apr 09, Aug 09, Jul 12	Sep-09		Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	May 10, Oct 10, Aug 11, Mar 12, Jul 12	Nov 07, Aug 09, Oct 10			Pipe 8/09, Jul 12	Aug 09, May 10, Oct 10, Aug 11, Mar 12, Jul 12			Aug 09, May 10, Aug 11		
PW - 8	Aug 09, May 10, Aug 11, Jul 12	Jul 08, Sep 09, Aug 11			Pipe 8/09, Jul 12	Aug 09, May 10, Aug 11, Jul 12			Aug 09, May 10, Aug 11		

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2012

as of Sep 12

ID	NEEDS CLEANING & INSPECTION	NEEDS NEW PUMP	NEEDS NEW INNER RING	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	PITLESS ADAPTER	NEEDS HORIZONTAL LINE PURGE	NEEDS TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	NEEDS U.E. REPAIR
RW-1	DONE 1/12	NO	PZ-1B		YES			NO	NO	NO	NO	YES - bolts
PW-2	NO	NO			YES			NO		NO	NO	YES - bolts
PW-3	NO	NO		REPAIRED 8/09	DONE 8/09			NO		NO	NO	NO
PW-4	DONE 1/12	NO	YES		DONE 9/09			NO		NO	NO	YES - Asphalt patch
PW-5	DONE 1/12	NO			YES			NO	DONE 1/12	DONE 1/12	NO	NO
PW-6	YES	DONE 8/09		Replaced pipe 8/09	DONE 8/09		YES	NO	NO	DONE 9/09	NO	DONE
PW-7	YES	DONE 10/10		Replaced pipe 8/09	YES	YES	YES	NO	NO	DONE	NO	NO
PW-8	YES	DONE 8/11		Replaced pipe 8/09	NO	YES	YES	NO	NO	YES	NO	NO

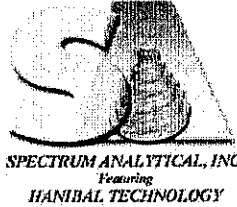
Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: L2014

Sampled: September 24, 2012

Received: October 1, 2012

Report Date:
01-Oct-12 14:52



- Final Report
 Re-Issued Report
 Revised Report

Laboratory Report

Ecology and Environment Engineering P.C.
368 Pleasant View Drive
Lancaster, NY 14086

Work Order: L2014
Project: Mr. C's Dry Cleaning
Project #: 4500000623/EN-003229-0001-03TTO

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L2014-01	INFLUENT	Aqueous	24-Sep-12 14:30	25-Sep-12 10:00
L2014-02	EFFLUENT	Aqueous	24-Sep-12 15:00	25-Sep-12 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirements have been met.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033



Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

Sample Transmittal Documentation



SPECTRUM ANALYTICAL, INC.
HANDBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling: Std
TAT- Indicate Date Needed:
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
Samples disposed of after 30 days unless otherwise instructed.

Report To: E & E, Inc
368 Pleasantview Dr
LANCASTER, NY 14086
Telephone #: (716) 684-8060
Project Mgr.: Mike Steffan

Invoice To: E & E, Inc
P.O. No.: _____ RQN: _____

Project No.: Mr Cs OMRM
Site Name: _____
Location: East Aurora State: NY
Sampler(s): R. Allen

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9= _____ 10= _____ 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

List preservative code below:

1 2 _____

Containers:

of VOA Vials

of Amber Glass

of Clear Glass

of Plastic

Analyses:

pH

VOC

QA/QC Reporting Level

Level I

Level II

Level III

Level IV

Other CAT A

State specific reporting standards:

Please send another sample kit

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix
<u>01</u>	<u>INFLUENT</u>	<u>Sep 24, 2012</u>	<u>2:30 P</u>	<u>G</u>	<u>GW</u>
	<u>INFLUENT</u>		<u>2:30 P</u>	<u>G</u>	<u>GW</u>
	<u>INFLUENT</u>		<u>2:30 P</u>	<u>G</u>	<u>GW 2</u>
<u>02</u>	<u>EFFLUENT</u>		<u>3:00 P</u>	<u>G</u>	<u>GW</u>
	<u>EFFLUENT</u>		<u>3:00 P</u>	<u>G</u>	<u>GW</u>
	<u>EFFLUENT</u>		<u>3:00 P</u>	<u>G</u>	<u>GW 2</u>

E-mail to m.steffan@ene.com

EDD Format PDF

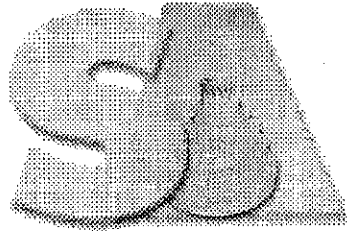
Condition upon receipt: Ice Ambient 4

Reinquished by: Richard C Allen Jr

Received by: [Signature]

Date: 9/25/12

Time: 10:00



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

*** Volatiles ***

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L2014 Mod. Ref No.: _____ SDG No.: SL2014
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L2014-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I0077.D
 Level: (TRACE/LOW/MED) LOW Date Received: 09/25/2012
 % Moisture: not dec. Date Analyzed: 09/27/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		1.0	U
75-09-2	Methylene chloride		1.0	U
156-60-5	trans-1,2-Dichloroethene		1.0	U
1634-04-4	Methyl tert-butyl ether		0.55	J
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
156-59-2	cis-1,2-Dichloroethene		0.93	J
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.1	
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethene		2.0	
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
127-18-4	Tetrachloroethene		150	
591-78-6	2-Hexanone		5.0	U
124-48-1	Dibromochloromethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylene (Total)		1.0	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L2014 Mod. Ref No.: _____ SDG No.: SL2014
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L2014-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I0077.D
 Level: (TRACE/LOW/MED) LOW Date Received: 09/25/2012
 % Moisture: not dec. Date Analyzed: 09/27/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
98-82-8	Isopropylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U
110-82-7	Cyclohexane		1.0	U
79-20-9	Methyl acetate		1.0	U
108-87-2	Methylcyclohexane		1.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L2014 Mod. Ref No.: _____ SDG No.: SL2014
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L2014-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I0045.D
 Level: (TRACE/LOW/MED) LOW Date Received: 09/25/2012
 % Moisture: not dec. Date Analyzed: 09/26/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
67-64-1	Acetone		6.7	
75-15-0	Carbon disulfide		1.0	U
75-09-2	Methylene chloride		1.0	U
156-60-5	trans-1,2-Dichloroethene		1.0	U
1634-04-4	Methyl tert-butyl ether		1.0	U
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
156-59-2	cis-1,2-Dichloroethene		1.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
127-18-4	Tetrachloroethene		1.0	U
591-78-6	2-Hexanone		5.0	U
124-48-1	Dibromochloromethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylene (Total)		1.0	U

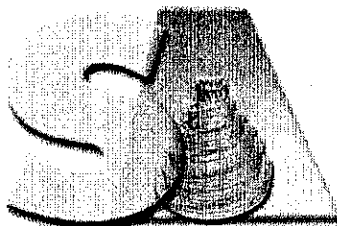
1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L2014 Mod. Ref No.: _____ SDG No.: SL2014
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L2014-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I0045.D
 Level: (TRACE/LOW/MED) LOW Date Received: 09/25/2012
 % Moisture: not dec. Date Analyzed: 09/26/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
98-82-8	Isopropylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U
110-82-7	Cyclohexane		1.0	U
79-20-9	Methyl acetate		1.0	U
108-87-2	Methylcyclohexane		1.0	U



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

*** Wet Chemistry ***

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

09/27/2012

Client: Ecology and Environment Engineering P.C.
Client Sample ID: INFLUENT
Lab ID: L2014-01

Project: Mr. C's Dry Cleaning
Collection Date: 09/24/12 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	430		4.0	mg/L CaCO3		1 09/27/2012 10:16	68350
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	6.8		1.0	S.U.		1 09/25/2012 17:03	R69690

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

09/27/2012

Client: Ecology and Environment Engineering P.C.

Client Sample ID: EFFLUENT

Lab ID: L2014-02

Project: Mr. C's Dry Cleaning

Collection Date: 09/24/12 15:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	490		4.0	mg/L CaCO3		1 09/27/2012 10:20	68350
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	8.3		1.0	S.U.		1 09/25/2012 17:07	R69690

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Attachment C
Summary of Site Utility Costs and Projections
January to December 2012

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

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

September 2012 Report

	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:	Budget Remaining:	Electric:
January-12	682	682	100.00%	13.8%	Mild January		\$1,150.88
February-12	768	768	100.00%	11.7%	Mild February		\$540.00
March-12	720	720	100.00%	10.6%	Very Mild March		-\$258.54
April-12	624	624	100.00%	7.2%	Warm and Fair April		
May-12	888	888	100.00%	8.4%	Sunny May		
June-12	624	624	100.00%	8.0%	Sunny June		
July-12	672	672	100.00%	7.7%	Very Dry		\$1,432.34
August-12	864	864	100.00%	6.6%	Very Dry		
September-12	648	648	100.00%	6.9%	Dry		
October-12							
November-12							
December-12							
Totals to Date	6500	6500	100.00%				

* 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 others run on a batch basis.

Monthly Average Costs

Mr. C's Electric	\$	1,239.08					
Agway Electric	\$	99.48					
Mr. C's Gas	\$	108.73					
Mr. C's Telephone	\$						
Ave. Utility Cost Total	\$	1,447.29	times	12 Month Estimate	\$18,814.74		

ATTACHMENT C