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International Specialists in the Environment
BUFFALO CORPORATE CENTER
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June 7, 2013

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 # D007617, Site # 9-15-157
May 2013 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the May 2013 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 bi-monthly 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 Spectrum Analytical Inc. (SAI), Warwick, Rhode Island 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 site is provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for May 2013, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations Information

- Checklists for system inspections from IEG are provided as Attachment A for 5/6/13, 5/21/13, and 6/3/13. Based on the inspection results performed by IEG, the remedial treatment system had a 100% operational up-time (Table 1) and the treatment of contaminated groundwater totaling of 304,452 gallons (Table 2) for May 2013.
- PW-4 collapsed inner ring during the month of May, 2013.
- The filters in the bag filter unit were changed on May 28, 2013.
- The monthly compliance sampling occurred on May 7, 2013, with the analytical results received on May 14, 2013. 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 (see Table 3).

- The PCE effluent results for May 2013 were not detectable. The analytical results revealed the total volatile organic contaminant concentrations of the influent to be 1097 µg/L or 1097 ppb, and 10 µg/L or 10 ppb of treated effluent. PCE effluent concentrations were not detectable. The summary of influent and effluent contaminant concentrations for the May 2013 sampling event is presented in Table 4.
- The cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 5/6/13 to 6/3/13 was 99.09%. The air stripper unit on the Mr. C's property is currently in compliance and SAI 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 May 2013 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 2.76 lbs. of targeted contaminants from the groundwater below the site in the month of May 2013. The calculations and data for the month are presented in Table 5.

Mr. C's Site – Updated Property Information

- 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 (586 Main Street) – DelTora LLC – Owner - Mr. Paul Bendrowski – 231-313-1954 (Traverse City, MI) – Local Point of Contact – Bob Kowal - . 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 electric meter was removed by NYSEG on April 16, 2013.
- NYSDEC is performing the scheduling of the removal of the shed and ancillary equipment in the next few months.
- Contact again was made on December 13, 2012, from (Liz Megan, Architect, 716-901-3029) regarding the redevelopment of the former Agway for a single story building without a basement. Information forthcoming on conceptual design for the Agway site. Contact information was passed onto NYSDEC PM regarding the discussion.
- EEEPC performed review of the conceptual plan for a building at the 566 Main Street site in March 2013. Conflicts are observed with the pumping and monitoring wells at the site. Site documents and calculations regarding the amount of groundwater pumped and concentrations that attribute to the levels of contamination were issued to the NYSDEC PM.

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

- Site inspection of facility on February 20, 2013, revealed that the south SSDS unit was shut off. System was switched back on by field staff. EEEPC to review changing of the switch for this fan to provide uninterrupted operations.

Bioaugmentation Direct Push Injection Work

- Procurement for obtaining a direct push subcontractor was performed in March 2013. The successful bidder was Nature's Way Environmental, Alden, NY.
- Part 1 of the bioaugmentation direct push injection work was performed by Nature's Way from May 20, through 31, 2013. Part 1 of the program was the injection of the Regenesis HRC primer and 3-D Microemulsion. Oversight of the first for program performance and quality assurance of the scope of work was provided by EEEPC. Next phase of the injection program is scheduled for mid-July.
- Pumping Wells PW-5 and PW-7 have been temporarily turned off due to close proximity to the injection locations of the bioaugmentation program.
- Monthly monitoring and analyses to be performed for twelve months to evaluate the effectiveness of the "pilot" installation on the groundwater from the local area monitoring wells.

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 December 2013 are provided as Attachment C.
- The Agway system power was turned off in December 2011. National Grid has disconnected the power to the Agway system. The meter and wiring removed by National Grid (NYSEG) on April 16, 2013.

Soil Vapor Intrusion Investigation Program

- Soil vapor intrusion investigation, surveys, and sampling were performed at three out four properties surrounding the Mr. C's site on March 6, 7, and 20, 2013. The three properties included the Mr. C's Indoor Air (586 Main Street), The Browschidle building (578-580 Main Street), and the Doeing Building (572-576 Main Street. The Pitt property (19 Whaley Avenue) would not allow access.
- Analytical results have been received for all three locations and a final validated report was delivered to NYSDEC and NYSDOH on May 7, 2013.
- Letters issued from NYSDOH (May 28, 2013) to the property owners regarding the need to install mitigation systems on the property. Further discussions regarding the installation of the mitigation system will be performed with the NYSDEC PM.

Site Management Plan

- Issued the draft Site Management Plan (SMP) on December 28, 2012 for review and comment. The SMP was revised to be consistent with the new NYSDEC template format.

If you have questions regarding the May 2013 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
CTF- EN-003229-0001-03TTO

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 12/31/12)	**87,871.50**	**96.63%**
January 7, 2013 - February 4, 2013	576	85.71%
February 4, 2013 - March 4, 2013	594	88.39%
March 4, 2013 - April 3, 2013	720	100.00%
April 3, 2013 - May 6, 2013	792	100.00%
May 6, 2013 - June 3, 2013	672	100.00%
		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
Total Hours from System Startup '2/02'	**91,225.50**	
Average Operational Up-time from startup =		**96.57%**
Average Operational Up-time for 2013 =		**95.07%**

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 2012	**9/5/02 - 12/4/12**	**118,436,077**
January 2013[3]	1/7/13 - 2/4/13	261,527
February 2013[3]	2/4/13 - 3/4/13	242,509
March 2013[3]	3/4/13 - 4/3/13	321,888
April 2013[3]	4/3/13 - 5/6/13	398,999
May 2013	5/6/13 - 6/3/13	304,452
June 2013		0
July 2013		0
August 2013		0
September 2013		0
October 2013		0
November 2013		0
December 2013		0
Total Gallons Treated in 2013		**1,529,375**
Total Gallons Treated To Date:		**119,965,452**

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[1]	Units	May 9, 2013 - Effluent Analytical Values - Compliance
Flow	N/A	gpd	**10,873**
pH	6.0 - 9.0	standard units	8.20
1,1 Dichloroethene	10	µg/L	ND(<1.0)
1,1 Dichloroethane	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	ND(<1.0)
Tetrachloroethene	10	µg/L	ND(<1.0)
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[2]	5	µg/L	NA
m, p-Xylene[2]	10	µg/L	NA
Total Xylenes	NA	ug/L	ND(<1.0)
Iron, total	600	µg/L	NA[9]
Aluminum	4,000	µg/L	NA[9]
Copper	48	µg/L	NA[9]
Lead	11	µg/L	NA[9]
Manganese	2,000	µg/L	NA[9]
Silver	100	µg/L	NA[9]
Vanadium	28	µg/L	NA[9]
Zinc	230	µg/L	NA[9]
Total Dissolved Solids	850	mg/L	NA[9]
Total Suspended Solids	20	mg/L	NA[9]
Hardness	N/A	mg/L	590
Cyanide, Free	10	µg/L	NA[9]

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 May 6, 2013 through June 3, 2013. Total gallons: 304,452 divided by 28 operating days.
7. "J" indicates an estimated value below the detection limit.
8. "B" indicates analyte found in the associated blank.
9. Removed from the required analysis list by NYSDEC Region 9 in February 2005.

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
May 2013 VOC Analytical Summary

Compound	Based on the 5/9/13 Effluent Sampling Results				
	Influent Concentration* (ug/L)		Effluent Concentration* (ug/L)		Cleanup Efficiency** (%)
Acetone [6]	ND (<50.0)	U	10		NA
Benzene	ND (<10.0)	U	ND (<1.0)	U	NA
2-Butanone	ND (<50.0)	U	ND (<5.0)	U	NA
cis-1, 2-Dichloroethene	38.0		ND (<1.0)	U	100.00%
Chloroform	ND (<10.0)	U	ND (<1.0)	U	NA
Methylene chloride	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	ND (<10.0)	U	ND (<1.0)	U	NA
Tetrachloroethene (PCE)	1000.0		ND (<1.0)	U	100.00%
Toluene	ND (<10.0)	U	ND (<1.0)	U	NA
Trichloroethene (TCE)	59.0		ND (<1.0)	U	100.00%
Carbon Disulfide	ND (<10.0)	U	ND (<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND (<10.0)	U	ND (<1.0)	U	NA
Cyclohexane	ND (<10.0)	U	ND (<1.0)	U	NA
trans-1,2-dichloroethene	ND (<10.0)	U	ND (<1.0)	U	NA
Chlorobenzene	ND (<10.0)	U	ND (<1.0)	U	NA
Methylcyclohexane	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl acetate	ND (<10.0)	U	ND (<1.0)	U	NA
Total Xylenes	ND (<10.0)	U	ND (<1.0)	U	NA
May 2013 TOTALs (in ug/L) =	**1097.0**		**10.00**		**99.09%**

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 form a secondary dilution analysis.
6. The effluent concentration of accetone was presented as the Lab results reported.

* (<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 2012 =				**1556.45**
January 2013	01/7/13 - 2/4/13	1094.9	0.91	2.39
February 2013	2/4/13 - 3/4/13	1112.2	12.44	2.23
March 2013	3/4/13 - 4/3/13	1306.0	23.65	3.44
April 2013	4/3/13 - 5/6/13	1744.0	5.80	5.79
May 2013	5/6/13 - 6/3/13	1097.0	10.00	2.76
June 2013				0.00
July 2013				0.00
August 2013				0.00
September 2013				0.00
October 2013				0.00
November 2013				0.00
December 2013				0.00
			Total pounds of VOCs removed from inception =	**1,573.06**
			Total pounds of VOCs removed in 2013 =	**16.61**

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:

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

Attachment A
IEG Weekly Inspection Reports
May 2013

Including:

5/6/13

5/21/13

6/3/13

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

DATE: 6-May-13 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: ———

WEATHER CONDITIONS: Sunny, warm OUTSIDE TEMPERATURE (°F): 69

ARE WELL PUMPS OPERATING IN AUTO: YES: ____ NO: √ If "NO", provide explanation below

PW-4 and PW-6 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: ____	OFF: √	6 ft	PW-5	ON: ____	OFF: √	6 ft
PW-2	ON: ____	OFF: √	5 ft	PW-6	ON: ____	OFF: √	65507 ft
PW-3	ON: ____	OFF: √	4 ft	PW-7	ON: ____	OFF: √	6 ft
PW-4	ON: √	OFF: ____	13 ft	PW-8	ON: ____	OFF: √	5' ft

EQUALIZATION TANK: 5 ft Last Alarm D/T/Condition: 4/29/13 Air Stripper Low Level

NOTES: ____

INFLUENT FLOW RATE: 13 gpm INFLUENT TOTALIZER READING: 8,277,583.0 gallons

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

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

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	0	0 psi	RIGHT:	6	0 psi

INFLUENT FEED PUMP IN USE: #1 √ #2 ____ INFLUENT PUMP PRESSURE: 12 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 ____ AIR STRIPPER PRESSURE: 31.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.01 in. H_2O DISCHARGE PRESSURE: 1.2 in. H_2O

EFFLUENT PUMP IN USE: #1 ____ #2 √ EFFLUENT FEED PUMP PRESSURE: 2.0 psi

EFFLUENT FLOW RATE: 116 gpm EFFLUENT TOTALIZER READING: 71,240,230 | 748610 gallons

ARE BUILDING HEATERS IN USE? YES: ____ NO: √ INSIDE TEMPERATURE (°F): 82

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

WATER LEVEL IN SUMP: 7.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: √ NO: ____

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

6-May-13

SAMPLES COLLECTED? YES: √ NO: _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	8:45 AM	7.59	8.40	18.6	2829
AIR STRIPPER EFFLUENT:	EFF	9:00 AM	8.28	7.00	18.4	2770

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.

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

Remarks:

Other Actions:

AGWAY

SYSTEM VACUUM: _____ in. H_2O *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: 21-May-13 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: Bender Aaron Plumbing

WEATHER CONDITIONS: Partly cloudy, warm OUTSIDE TEMPERATURE (°F): 77

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: √ If "NO", provide explanation below

PW-4 and PW-6 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: √	6 ft	PW-5	ON: _____	OFF: √	7 ft
PW-2	ON: _____	OFF: √	5 ft	PW-6	ON: _____	OFF: √	65507 ft
PW-3	ON: _____	OFF: √	4 ft	PW-7	ON: √	OFF: _____	5 ft
PW-4	ON: √	OFF: _____	13 ft	PW-8	ON: _____	OFF: √	7 ft

EQUALIZATION TANK: 5 ft Last Alarm D/T/Condition: 5/16/13 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 32 gpm INFLUENT TOTALIZER READING: 8,568,533.0 gallons

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

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

BAG FILTER PRESSURES:	Top	Bottom		Top	Bottom	
LEFT:	0	0	psi	RIGHT: 6	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 √ #2 _____ AIR STRIPPER PRESSURE: 35.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.011 in. H_2O DISCHARGE PRESSURE: 0.1 in. H_2O

EFFLUENT PUMP IN USE: #1 _____ #2 √ EFFLUENT FEED PUMP PRESSURE: 2.0 psi

EFFLUENT FLOW RATE: _____ gpm EFFLUENT TOTALIZER READING: 71,420,986 | 929470 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: √ INSIDE TEMPERATURE (°F): 90

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

21-May-13

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.

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

Remarks: Nature's Way and Ecology & Environment, Inc are doing sub surface injection.

Other Actions: Randy Bender inspected the backflow preventer.

AGWAY

SYSTEM VACUUM: _____ in. H_2O *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: 3-Jun-13 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Partly cloudy, warm OUTSIDE TEMPERATURE (°F): 54

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: √ If "NO", provide explanation below

PW-4 and PW-6 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: √	7 ft	PW-5	ON: √	OFF: _____	12 ft
PW-2	ON: _____	OFF: √	7 ft	PW-6	ON: _____	OFF: √	65507 ft
PW-3	ON: _____	OFF: √	4 ft	PW-7	ON: √	OFF: _____	14 ft
PW-4	ON: √	OFF: _____	14 ft	PW-8	ON: √	OFF: _____	5 ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 5/28/13 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 66 gpm INFLUENT TOTALIZER READING: 8,764,049.0 gallons

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

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

BAG FILTER PRESSURES:	Top	Bottom		Top	Bottom	
LEFT:	0	0	psi	RIGHT: 6	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 _____ INFLUENT PUMP PRESSURE: 12 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 _____ AIR STRIPPER PRESSURE: 36.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.012 in. H_2O DISCHARGE PRESSURE: 0.4 in. H_2O

EFFLUENT PUMP IN USE: #1 _____ #2 √ EFFLUENT FEED PUMP PRESSURE: 5.0 psi

EFFLUENT FLOW RATE: 110 gpm EFFLUENT TOTALIZER READING: 71,544,682 | 53420 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: √ INSIDE TEMPERATURE (°F): 75

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

WATER LEVEL IN SUMP: 7.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: √ NO: _____

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

3-Jun-13

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.

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

Remarks: Moved some equipment from the office back to the Treatment Room.

Other Actions: Swept spruce needles off of Library Parking Lot near well groups PW-6 and PW-7.

AGWAY

SYSTEM VACUUM: _____ in. H_2O ***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: 30-May-13 **Measurements taken by:** R. Allen

RW-1	15.20 ft	Comments:	
PZ-1A	11.19 ft	Comments:	
PZ-1B	10.82 ft	Comments:	
PZ-1C	12.02 ft	Comments:	
PZ-1D	12.11 ft	Comments:	
PW-2	15.30 ft	Comments:	
PZ-2A	10.58 ft	Comments:	
PZ-2B	10.95 ft	Comments:	
PZ-2C	10.46 ft	Comments:	
MW-7	11.90 ft	Comments:	Substitute for 2D
PW-3	13.70 ft	Comments:	
PZ-3A	11.08 ft	Comments:	
PZ-3B	11.27 ft	Comments:	
PZ-3C	11.71 ft	Comments:	
PZ-3D	11.15 ft	Comments:	
PW-4	----- ft	Comments:	collapsed ring
PZ-4A	12.07 ft	Comments:	
PZ-4B	10.38 ft	Comments:	
PZ-4C	----- ft	Comments:	sealed over
PZ-4D	9.98 ft	Comments:	

PW-5	12.10 ft	Comments:	
PZ-5A	10.01 ft	Comments:	
PZ-5B	10.34 ft	Comments:	
PZ-5C	9.95 ft	Comments:	
PZ-5D	11.14 ft	Comments:	
PW-6	9.90 ft	Comments:	collapsing ring
PZ-6A	11.11 ft	Comments:	
PZ-6B	10.98 ft	Comments:	
PZ-6C	11.30 ft	Comments:	
PZ-6D	10.98 ft	Comments:	Shown as RW-2 on map
PW-7	10.50 ft	Comments:	
MPI-6S	----- ft	Comments:	injection interference
PZ-7B	10.82 ft	Comments:	
OW-B	10.81 ft	Comments:	
PZ-7D	----- ft	Comments:	injection interference
PW-8	18.40 ft	Comments:	
PZ-8A	7.78 ft	Comments:	
PZ-8B	7.70 ft	Comments:	
PZ-8C	7.47 ft	Comments:	
PZ-8D	7.75 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

RW-1 pump on?		Yes	√	No	PW-5 pump on?		Yes	√	No
PW-2 pump on?		Yes	√	No	PW-6 pump on?		Yes		No
PW-3 pump on?		Yes	√	No	PW-7 pump on?		Yes	√	No
PW-4 pump on?		Yes		No	PW-8 pump on?	√	Yes		No

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 5/2013

DATE	ACTIVITY
6-May	Weekly Inspection. Swept spruce needles from Library Parking lot.
7-May	Sampling. End of month summaries.
13-May	OM&M Weekly Inspection.
14-May	Record and Photo Sludge drum and bag filter drums. UM office work.
16-May	Clean Air Stripper through ports.
17-May	Demobilize equipment from Treatment Room. Get supplies. Install hasp and lock on Equipment Box.
21-May	OM&M Weekly Inspection. UM office work.
23-May	Open Treatment Room for Aaron Bender Plumbing for backflow preventer reading.
28-May	OM&M Weekly Inspection. Changed bag filters.
30-May	Piezometer Readings
31-May	Piezometer readings. Get supplies.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 5/2013

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
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
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
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
Demobilize Agway Shed	Remove all equipment from shed and deliver to owner/recycle/dispose as needed; dismantle electrical installations; disassemble/remove shed structure/base.	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
Blower #2 makes loud noise	Fan seems to have slipped off of the motor shaft. Disassemble, inspect and repair.	in progress
Temperature Alarm dials in very cold weather	Instal electric heater from Agway Shed to sump box corner to warm Main Control Panel	Jan-13
PW-8 cycles erratically	Transducer appears to be defective. Inspect and clean transducer and aneroid bellows.	Apr-13
PW-2 not pumping	Inspect and clean pump and transducer. Replace defective well pump.	Apr-13
PW-6 pumping into itself	Water enters well when well pump is running. Suspect faulty check valve. Test and repair as needed.	in progress
Dispose Open Top Sludge Drum	Plastic 55 gal drum with open top is almost full of sludge. Dispose of drum to free up space in the cramped Treatment Room.	in progress
Dispose used Bag Filters	There are (2) Metal 55 gal drums filled with used bag filters. Dispose of both drums and get new drum to store used bag filters.	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2013

as of May 2013

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	Jan 08, May 10, Jan 12	Feb 08, Jan 12	May 10, Nov 08			May 10, Jan 12					
PW - 2	Jun 08, Aug 09, May 10, Apr 13	Jul 08, Apr 13				Nov 11 May 10, Apr 13	Sep 09, Dec 11		Aug-09	Nov-11	Sep-09
PW - 3	Jun 08, Aug 09, May 10	Jul 08, Dec 11		Repair adapter		Aug 09, Nov 11	Dec 11		Aug-09	Nov-11	
PW - 4	Dec 07, May 08, Sep 09, May 10, Jan 12	Dec 07, Jan 12				May 10, Nov 11	Dec 11, Mar 08, Sep 08	Sep-08	Jul 09, Sep 09	Sep 09, Nov 11	Sep-09
PW - 5	Jan 12, May 08	Jul 08, Jan 12				Mar-11	Jan 12, Sep 08	Sep-09		Jan-12	
PW - 6	Jun 08, Jul 09, Jul 12, Nov 12	Jun 08, Jul 09, Aug 12, Nov 12			Jul 12, Nov 12	Aug 09, Jul 12, Dec 12, Apr 13	Sep-09	Jun-08	Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	Jun 08, Jul 09, May 10, Oct 10, Aug 11, Mar 12, Jul 12, Nov 12	Nov 07, Jul 09, Oct 10, Nov 12			Jul 12, Nov 12	Oct 10, Aug 11, Mar 12, Jul 12, Dec 12		Jun-08	Aug 09, May 10, Aug 11		
PW - 8	Jun 08, Aug 09, May 10, Aug 11, Jul 12, Dec 12	Jul 08, Sep 09, Aug 11, Dec 12			Pipe 8/09, Jul 12	May 10, Aug 11, Jul 12, Dec 12, Apr 13			Aug 09, May 10, Aug 11	Apr-13	Apr-13

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2013

as of May 2013

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	NO		**YES**			NO		NO	NO	YES - bolts
PW-3	NO	NO	NO	**REPAIRED 8/09**	**DONE 8/09**			NO		NO	NO	NO
PW-4	**YES**	NO	**YES**		**DONE 9/09**			NO		NO	NO	YES - Asphalt patch
PW-5	**DONE 1/12**	NO	NO		YES			NO	DONE 1/12	DONE 1/12	NO	NO
PW-6	**YES**	**YES**	NO	**Replaced pipe 8/09**	**DONE 8/09**		NO	NO	NO	**DONE 9/09**	NO	DONE
PW-7	NO	NO	NO	**Replaced pipe 8/09**	**YES**	**YES**	NO	NO	NO	DONE	NO	NO
PW-8	NO	**DONE 8/11**	NO	**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: M0683
Sampled: May 7, 2013
Received: May 8, 2013

Report Date:
14-May-13 14:14

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

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

Work Order: M0683
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
M0683-01	INFLUENT	Aqueous	07-May-13 09:30	08-May-13 08:50
M0683-02	EFFLUENT	Aqueous	07-May-13 09:30	08-May-13 08:50

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 requirments have been meet.

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
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
DoD ELAP
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

Sample Transmittal Documentation

M0683

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 1 of 1

CHAIN OF CUSTODY RECORD

☐ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☐ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☐ 646 Camp Avenue, N Kingstown, RI 02852, (401) 732-3400

Special Handling:

TAT- Indicate Date Needed: Std
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 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.: _____
Site Name: MrCs OM&M
Location: East Aurora State: NY
Sampler(s): R. Allen

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

List preservative code below: — 4 2

QA/QC Reporting Notes:

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: pH	Hardness	VOC	QA/QC Reporting Level
M0683													☐ Level I ☐ Level II ☐ Level III ☐ Level IV ☒ Other CAT A
-01	INFLUENT	May 7, 2013	9:30A	G	GW				1	✓			Please send
VOA 5/13-0301	INFLUENT		9:30A	G	GW				1		✓		another sample
-01	INFLUENT		9:30A	G	GW	3						✓	Kit
-02	EFFLUENT		9:30A	G	GW				1	✓			
-02	EFFLUENT		9:30A	G	GW				1		✓		
-02	EFFLUENT		9:30A	G	GW	3						✓	

State-specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:	Temp°C
Richard C Allen Jr		5/8/13	8:50	4°C

☒ EDD Format PDF
☒ E-mail to msteffan@ene.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Page 3 of 37

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

Received By: VB	Page 01 of 00
Reviewed By: ACD	Log-in Date 05/08/2013
Work Order: M0683	Client Name: Ecology and Environment Engineering P.C.
Project Name/Event: Mr. C's Dry Cleaning / 4500000623/EN-003229-0001-03TTO	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s)	Present / Absent
	Intact / Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present / Absent
4. Airbill	AirBill / Sticker
	Present / Absent
5. Airbill No.	FedEx 7997 0122 0203
6. Sample Tags	Present / Absent
Sample Tag Numbers	Listed / Not Listed on Chain-of-Custody
7. Sample Condition	Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle	Present / Absent
9. Cooler Temperature	4 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	05/08/2013
12. Time Received	08:50

Sample Transfer	
Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
M0683-01	<2					H	
M0683-02	<2					H	

IR Temp Gun ID:MT-1

CoolantCondition: ICE

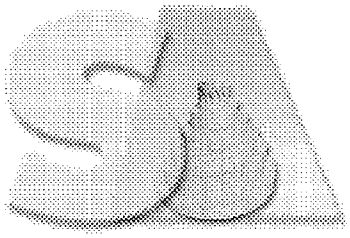
Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Volatiles *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: M0683

SW846 8260C, VOC by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8260C

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: V10
Instrument Type: GCMS-VOA

Description: HP7890A
Manufacturer: Agilent
Model: 7890A / 5975C

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

Replicate RPDs were within the advisory QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were analyzed at dilution:

INFLUENT (M0683-01A): Dilution Factor: 10

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

No manual integrations were performed on any sample or standard.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: _____

Date: 05/14/13

Data Flag/Qualifiers:

U — Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J — This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B — This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D — For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E — This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P — This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A — Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N — Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* — For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

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.: M0683 Mod. Ref No.: SDG No.: SM0683

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: M0683-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8B9718.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/08/2013

% Moisture: not dec. Date Analyzed: 05/09/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	50	U
156-59-2	cis-1,2-Dichloroethene	38	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
107-06-2	1,2-Dichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	59	
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	1000	
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	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.: M0683 Mod. Ref No.: SDG No.: SM0683

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: M0683-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8B9718.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/08/2013

% Moisture: not dec. Date Analyzed: 05/09/2013

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
110-82-7	Cyclohexane	10	U
79-20-9	Methyl acetate	10	U
108-87-2	Methylcyclohexane	10	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.: M0683 Mod. Ref No.: SDG No.: SM0683

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: M0683-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8B9717.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/08/2013

% Moisture: not dec. Date Analyzed: 05/09/2013

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: (ug/L or ug/Kg) UG/L	Q
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	10	
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.: M0683 Mod. Ref No.: SDG No.: SM0683

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: M0683-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8B9717.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/08/2013

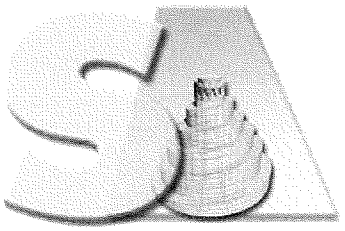
% Moisture: not dec. Date Analyzed: 05/09/2013

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: (ug/L or ug/Kg) UG/L	Q
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 *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: M0683

SM 2340B, SM 4500 H+ B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 2340B, SM 4500 H+ B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: OPTIMA3
Instrument Type: ICP

Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

Instrument Code: WC03
Instrument Type: Probe
Description: pH Meter
Manufacturer: Oakton Instruments
Model: Bench 2700 Series

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

2. Matrix spike (MS):

A matrix spike was not performed on any sample in this SDG.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

Duplicate analyses were performed on sample: EFFLUENT (M0683-02BDUP).

Relative percent differences were within the QC limits.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed:_____

Date: 05/14/2013

Data Flag/Qualifiers:

U — Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J — This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B — This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D — For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

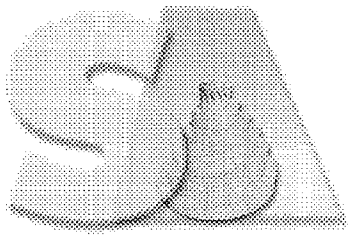
E — This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P — This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A — Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N — Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* — For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: Ecology and Environment Engineering P.C.
Client Sample ID: INFLUENT
Lab ID: M0683-01
Project: Mr. C's Dry Cleaning
Collection Date: 05/07/13 9:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	600		4.0	mg/L CaCO3	1	05/10/2013 10:25	71577
SM 4500 H+ B -- pH VALUE							**SM4500_H+**
pH	7.3		1.0	S.U.	1	05/08/2013 11:05	R73769

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: M0683-02
Project: Mr. C's Dry Cleaning
Collection Date: 05/07/13 9:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	590		4.0	mg/L CaCO3	1	05/10/2013 10:29	71577
SM 4500 H+ B -- pH VALUE							**SM4500_H+**
pH	8.2		1.0	S.U.	1	05/08/2013 11:25	R73769

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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 2013

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

ATTACHMENT C

NYSDEC Work Assignment #DC13.02.01.01

12 Months of System Operation and Maintenance

May 2013 Report

Utility Budget:	
Electric:	$15,800.00
Telephone:	$540.00
Gas	$1,120.00
Total:	$17,460.00

Gas, Telephone, and Electric

Utility Provider	Account #	E&E Cost Center	Description	Jan-2012	Feb-2012	Mar-2012	Apr-2012	May-2012	Jun-2012
New York State E&G	1001-0310-422	EN-003229-0001-03TTO	Mr. C's Electric Costs	$ 1,695.55	$ 1,212.17	$ 1,531.43	$ 1,325.29		
New York State E&G	76-311-11-015900-18		Agway Site - Electric						
National Fuel Gas	5819628-05	EN-003229-0001-03TTO	Mr. C's Natural Gas Costs	$46.63	$ 27.50	$ 185.46	$ 216.03	$ 84.93	
			Totals	$ 1,742.18	$ 1,239.67	$ 1,716.89	$ 1,541.32	$ 84.93	$ -

	Jul-2012	Aug-2012	Sep-2012	Oct-2012	Nov-2012	Dec-2012	Ave. /Month
Mr. C's Electric Costs							$ 1,441.11
Agway Electric							$ -
Mr. C's Natural Gas Costs							$ 112.11
Totals	$0.00	$ -	$ -	$ -	$ -	$ -	$ 1,553.22

		Notes:	
Electric (Both sites)	$5,764.44		
Natural Gas	$ 560.55	Overbilled natural gas costs - no charges	
Grand Total - NYSE&G/National Fuel Gas Costs To Date	$ 6,324.99	Estimated Reading	$ 333.44 in red -adjusted billing

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2012	Feb-2012	Mar-2012	Apr-2012	May-2012	Jun-2012
Verizon	716-652-0094	EN-003229-0001-03TTO	Mr. C's Telephone Costs	$ 34.31	$ 93.35	$ 35.67	$ 38.15		
Account #									
716 652 0094 416 26 2									

	Jul-2012	Aug-2012	Sep-2012	Oct-2012	Nov-2012	Dec-2012	Ave./Month
EN-003229-0001-03TTO							$ 50.37

Grand Total - Verizon Costs to Date	$ 201.48
Grand Total All Utilities To Date	**$ 6,526.47**

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

ATTACHMENT C

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

May 2013 Report

	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:
January-13	672	576	85.71%	13.8%	Mild January
February-13	672	594	88.39%	8.7%	Mild February
March-13	720	720	100.00%	9.6%	Cold March
April-13	792	792	100.00%	10.7%	Mild April
May-13	672	672	100.00%	9.6%	Normal May
June-13			#DIV/0!		
July-13			#DIV/0!		
August-13			#DIV/0!		
September-13			#DIV/0!		
October-13			#DIV/0!		
November-13			#DIV/0!		
December-13			#DIV/0!		
Totals to Date	**3528**	**3354**	**95.07%**		

Budget Remaining:

Electric:	**$10,035.56**
Telephone:	**$338.52**
Gas	**$559.45**
Total:	**$10,933.53**

* 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	**$ 1,441.11**			
Agway Electric	**$ -**			
Mr. C's Gas	**$ 112.11**			
Mr. C's Telephone	**$ 50.37**			
Ave. Utility Cost Total	**$ 1,603.59**	**times**	**12 Month Estimate**	**$20,846.67**