ecology and environment engineering, p.c.
International Specialists in the Environment
BUFFALO CORPORATE CENTER
368 Pleasant View Drive
Lancaster, New York 14086
Tel: (716) 684-8060, Fax: (716) 684-0844

June 8, 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
May 2012 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the May 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 in Attachments B and C. A second analytical sampling was performed after system correctives actions were taken as a results of non-compliance issues on the effluent discharge for PCE. The corrective actions taken and analytical results received indicated the system was back in compliance. 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 D.

In review of the on-site treatment system operations, monitoring and maintenance for May 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 4/30, 5/7, 5/14, 5/21, 5/30, and 6/6/12.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100.00% operational up-time (Table 1) and the treatment of contaminated groundwater totaling of 348,980 gallons (Table 2) for May 2012.

- Initial sampling occurred on May 7, 2012 with the analytical results received on May 25, 2012. The initial analytical results indicated non compliance issues with the effluent discharge requirements for Tetrachloroethene (PCE). The results were 27 ug/L .Once the results were known, IEG was contacted and corrective actions were performed according to the requirements in the Site Management Plan (SMP). After completion of the corrective actions to the system a second set of analytical samples were taken on May 30, 2012 and analyzed. The results received on June 6, 2012, indicated compliance with PCE levels according to the SPDES Equivalency Permit.
- The cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 4/30/12 to 6/6/12 was 99.65%. 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 May 2012 is presented in Table 3.
- The analytical results revealed the influent concentration to be 431.5 µg/L or 431.5 ppb, and 1.52 µg/L or 1.52 ppb of treated effluent. PCE effluent concentrations after corrective actions were performed were 0.94J µg/L or 0.94J ppb which is under the 10 µg/L or 10 ppb limit. The summary of influent and effluent contaminant concentrations for the May 7, 2012 and May 30, 2012 sampling events is presented in Table 4.
- The Mr. C's treatment system based on the total monthly flows removed 1.25 lbs. of targeted contaminants from the groundwater below the site in the month of May 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 is to be repaved. IEG will be on-site to observe the paving program will not damage any pumping and monitoring wells that are part of the remedial action.
- 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 regarding redevelopment of the former Agway for a single story building without a basement. Contact report information was passed onto NYSDEC 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. 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 May 2012 are provided as Attachment D.
- The Agway system power was turned off in December 2011.

If you have questions regarding the May 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
CTF- 002700.DC13.02.01.01

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%
		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
Total Hours from System Startup '2/02'	**82,879.50**	
Average Operational Up-time from startup =		**96.43%**
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
	Total Gallons Treated in 2012	**1,789,216**
	Total Gallons Treated To Date:	**120,225,293**

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 7, 2012 - Effluent Analytical Values Compliance	May 30, 2012 - Effluent Analytical Values Compliance
Flow	N/A	gpd	9,432	9,432
pH	6.0 - 9.0	standard units	8.1	8.1
1,1 Dichloroethene	10	µg/L	1.0 U	1.0 U
1,1 Dichloroethane	10	µg/L	1.0 U	1.0 U
cis-1,2-dichloroethene	10	µg/L	1.0 U	1.0 U
Trichloroethene	10	µg/L	1.2	1.0 U
Tetrachloroethene	10	µg/L	27	0.94J
Vinyl Chloride	10	µg/L	1.0 U	1.0 U
Benzene	5	µg/L	1.0 U	1.0 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U
Methylene Chloride	10	µg/L	1.0 U	1.0 U
1,1,1 Trichloroethane	10	µg/L	1.0 U	1.0 U
Toluene	5	µg/L	1.0 U	1.0 U
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	1.0 U	1.0 U
o-Xylene[2]	5	µg/L	NA	NA
m, p-Xylene[2]	10	µg/L	NA	NA
Total Xylenes	NA	ug/L	1.0 U	1.0 U
Iron, total	600	µg/L	NA[9]	NA[9]
Aluminum	4,000	µg/L	NA[9]	NA[9]
Copper	48	µg/L	NA[9]	NA[9]
Lead	1[1]	µg/L	NA[9]	NA[9]
Manganese	2,000	µg/L	NA[9]	NA[9]
Silver	100	µg/L	NA[9]	NA[9]
Vanadium	28	µg/L	NA[9]	NA[9]
Zinc	230	µg/L	NA[9]	NA[9]
Total Dissolved Solids	850	mg/L	NA[9]	NA[9]
Total Suspended Solids	20	mg/L	NA[9]	NA[9]
Hardness	N/A	mg/L	480	480
Cyanide, Free	10	µg/L	NA[9]	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 April 30, 2012 through June 6, 2012. Total gallons: 348,980 divided by 37 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 2012 VOC Analytical Summary

Compound	Based on the 5/30/12 Effluent Sampling Results				
	Influent Concentration* (ug/L)		Effluent Concentration* (ug/L)		Cleanup Efficiency** (%)
Acetone	ND (<50)	U	ND (<5.0)	U	NA
Benzene	ND (<10)	U	ND (<1.0)	U	NA
2-Butanone	ND (<50)	U	ND (<5.0)	U	NA
cis-1, 2-Dichloroethene	5.5	J	ND (<1.0)	U	100.00%
Chloroform	ND (<10)	U	ND (<1.0)	U	NA
Methylene chloride	ND (<10)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	ND (<10)	U	ND (<1.0)	U	NA
Tetrachloroethene	390.0		0.94	J	99.76%
Toluene	ND (<10)	U	ND (<1.0)	U	NA
Trichloroethene	24.0		ND (<1.0)	U	100.00%
Carbon Disulfide	12		0.58	J	95.17%
1,1,2 Trichloro-1,2,2-trifluororethane	ND (<10)	U	ND (<1.0)	U	NA
Cyclohexane	ND (<10)	U	ND (<1.0)	U	NA
trans-1,2-dichloroethene	ND (<10)	U	ND (<1.0)	U	NA
Chlorobenzene	ND (<10)	U	ND (<1.0)	U	NA
Methylcyclohexane	ND (<10)	U	ND (<1.0)	U	NA
Methyl acetate	ND (<10)	U	ND (<1.0)	U	NA
Total Xylenes	ND (<10)	U	ND (<1.0)	U	NA
May 2012 TOTALs (in ug/L) =	**431.5**		**1.52**		**99.65%**

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..

* (<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				
July 2012				
August 2012				
September 2012				
October 2012				
November 2012				
December 2012				
Total pounds of VOCs removed from inception =				**1,543.71**
Total pounds of VOCs removed in 2012 =				**18.05**

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 2012

Including:

4/30/12

5/7/12

5/14/12

5/21/12

5/30/12

6/6/12

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

DATE: 30-Apr-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Partly cloudy, cool OUTSIDE TEMPERATURE (°F): 51

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

PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: √	7 ft	PW-5	ON: _____	OFF: √	5 ft
PW-2	ON: _____	OFF: √	7 ft	PW-6	ON: √	OFF: _____	6 ft
PW-3	ON: _____	OFF: √	3 ft	PW-7	ON: √	OFF: _____	18 ft
PW-4	ON: _____	OFF: √	8 ft	PW-8	ON: √	OFF: _____	18 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 4/26/12 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 14 gpm INFLUENT TOTALIZER READING: 2,243,734.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 12 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 20.5 gallons

SEQUESTERING AGENT FEED RATE: 7.0 ml/min METERING PUMP PRESSURE: 3.0 psi

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

INFLUENT FEED PUMP IN USE: #1 √ #2 _____ INFLUENT PUMP PRESSURE: 14 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 _____ AIR STRIPPER PRESSURE: 8.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.025 in. H_2O DISCHARGE PRESSURE: 4.7 In. H_2O

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

EFFLUENT FLOW RATE: 94 gpm EFFLUENT TOTALIZER READING: 67,644,677 / 79880 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: _____ INSIDE TEMPERATURE (°F): 62

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 #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 7-May-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, warm OUTSIDE TEMPERATURE (°F): 62

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

PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: √	7 ft	PW-5	ON: _____	OFF: √	4 ft
PW-2	ON: _____	OFF: √	5 ft	PW-6	ON: _____	OFF: √	6 ft
PW-3	ON: _____	OFF: √	6 ft	PW-7	ON: √	OFF: _____	19 ft
PW-4	ON: _____	OFF: √	4 ft	PW-8	ON: √	OFF: _____	18 ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 4/26/12 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 57 gpm INFLUENT TOTALIZER READING: 2,360,887.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 2 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 3.4 gallons

SEQUESTERING AGENT FEED RATE: 8.0 ml/min METERING PUMP PRESSURE: 3.0 psi

BAG FILTER PRESSURES:	Top	Bottom		Top	Bottom	
LEFT:	0	0	psi	RIGHT: 8	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 _____ INFLUENT PUMP PRESSURE: 15 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 _____ AIR STRIPPER PRESSURE: 9.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.019 in. H_2O DISCHARGE PRESSURE: 4.5 in. H_2O

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

EFFLUENT FLOW RATE: 95 gpm EFFLUENT TOTALIZER READING: 67,716,597 | 153130 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: √ INSIDE TEMPERATURE (°F): 73

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

7-May-12

SAMPLES COLLECTED? YES: √ NO: _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	2:00 PM	7.32	9.07	15.2	2789
AIR STRIPPER EFFLUENT:	EFF	2:00 PM	8.51	7.14	17.3	2921

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: Turned Jesco pump down slightly: Left 2.25; Right 1.25.

Other Actions: Switched Redux pickup to new drum. Have (2) full drums.

Removed vent cover over man door in Treatment Room for the warm season.

Ground off sharp corners on Air Stripper base, influent pump base and drum base ramp.

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: 14-May-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: Caroll Plumbing

WEATHER CONDITIONS: Cloudy, warm OUTSIDE TEMPERATURE (°F): 67

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

PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: ____	OFF: √	6 ft	PW-5	ON: ____	OFF: √	4 ft		
PW-2	ON: ____	OFF: √	6 ft	PW-6	ON: √	OFF: ____	10 ft		
PW-3	ON: ____	OFF: √	7 ft	PW-7	ON: √	OFF: ____	19 ft		
PW-4	ON: ____	OFF: √	5 ft	PW-8	ON: √	OFF: ____	18 ft		

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 4/26/12 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 49 gpm INFLUENT TOTALIZER READING: 2,472,591.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 22 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 37.5 gallons

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 2.0 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	0	0 psi	RIGHT:	8	0 psi

INFLUENT FEED PUMP IN USE: #1 √ #2 ____ INFLUENT PUMP PRESSURE: 15 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 ____ AIR STRIPPER PRESSURE: 8.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.019 in. H_2O DISCHARGE PRESSURE: 4.5 in. H_2O

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

EFFLUENT FLOW RATE: 96 gpm EFFLUENT TOTALIZER READING: 67,784,608 | 222510 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: 6.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: √ NO: ____

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

14-May-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: Changed Main Control Panel switch light bulb.

Other Actions: Changed bag filters.

Removed Blower Motor #2 for warranty repair.

Removed Blower Fan #2 for balancing.

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-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: ----

WEATHER CONDITIONS: Sunny, warm OUTSIDE TEMPERATURE (°F): 74

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

PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	5 ft	PW-5	ON:	OFF: √	7 ft		
PW-2	ON:	OFF: √	6 ft	PW-6	ON: √	OFF:	9 ft		
PW-3	ON:	OFF: √	7 ft	PW-7	ON: √	OFF:	18 ft		
PW-4	ON:	OFF: √	6 ft	PW-8	ON: √	OFF:	18 ft		

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 5/18/12 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 12 gpm INFLUENT TOTALIZER READING: 2,577,337.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 4 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 7 gallons

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 2.0 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: 15 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 ____ AIR STRIPPER PRESSURE: 8.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.019 in. H_2O DISCHARGE PRESSURE: 4.3 in. H_2O

EFFLUENT PUMP IN USE: #1 √ #2 ____ EFFLUENT FEED PUMP PRESSURE: 1.0 psi

EFFLUENT FLOW RATE: 112 gpm EFFLUENT TOTALIZER READING: 67,847,030 | 286310 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

21-May-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:

Other Actions: Emptied remains of old Redux drum into new drum.

Took Blower Motor #2 fan to ACT in Clarence, NY to get balanced.

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: 30-May-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: E & E, Inc, Caroll Plumbing

WEATHER CONDITIONS: Sunny, warm OUTSIDE TEMPERATURE (°F): 70

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. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	8 ft	PW-5	ON:	OFF: √	6 ft	
PW-2	ON:	OFF: √	7 ft	PW-6	ON: √	OFF:	14 ft	
PW-3	ON:	OFF: √	4 ft	PW-7	ON: √	OFF:	13 ft	
PW-4	ON:	OFF: √	6 ft	PW-8	ON: √	OFF:	18 ft	

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 5/29/12 Air Stripper High Level

NOTES:

INFLUENT FLOW RATE: 65 gpm INFLUENT TOTALIZER READING: 2,712,404.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 4 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 6.8 gallons

SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 2.0 psi

BAG FILTER PRESSURES: LEFT: Top 0 / Bottom 0 psi RIGHT: Top 8 / Bottom 0 psi

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

AIR STRIPPER BLOWER IN USE: #1 √ #2 ____ AIR STRIPPER PRESSURE: 8.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.019 in. H_2O DISCHARGE PRESSURE: 4.5 in. H_2O

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

EFFLUENT FLOW RATE: 0.019 gpm EFFLUENT TOTALIZER READING: 67,927,570 / 368320 gallons

ARE BUILDING HEATERS IN USE? YES: ____ NO: √ INSIDE TEMPERATURE (°F): 77

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

30-May-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: Redux system is OFF until shipment arrives due to lack of product.

Other Actions: Took delivery of (3) drums of Redux (May 31).

Met with Intrepid Automotive Enterprises (Tracy Smith) to discuss repaving Mr Cs parking lot and MWs.

Picked up balance fan from ACT in Clarence, NY.

Replaced repaired Blower Motor #2 and the balanced fan.

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: 6-Jun-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Partly cloudy, warm OUTSIDE TEMPERATURE (°F): 72

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. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: √	8 ft	PW-5	ON: _____	OFF: √	6 ft		
PW-2	ON: √	OFF: _____	5 ft	PW-6	ON: √	OFF: _____	14 ft		
PW-3	ON: _____	OFF: √	7 ft	PW-7	ON: √	OFF: _____	13 ft		
PW-4	ON: _____	OFF: √	7 ft	PW-8	ON: √	OFF: _____	18 ft		

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 6/1/12 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 50 gpm INFLUENT TOTALIZER READING: 2,823,890.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 29 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 49 gallons

SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 3.0 psi

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	12 - 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: 8.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.015 in. H_2O DISCHARGE PRESSURE: 4.5 in. H_2O

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

EFFLUENT FLOW RATE: 115 gpm EFFLUENT TOTALIZER READING: 67,993,657 | 435730 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: 6.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: √ NO: _____

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

6-Jun-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:

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: PIEZOMETER WATER LEVEL LOG

Date: 11-May-12 **Measurements taken by:** R. Allen

RW-1	17.60 ft	Comments:	
PZ-1A	----- ft	Comments:	car over well
PZ-1B	----- ft	Comments:	sealed over
PZ-1C	12.25 ft	Comments:	
PZ-1D	12.35 ft	Comments:	
PW-2	14.79 ft	Comments:	
PZ-2A	10.88 ft	Comments:	
PZ-2B	11.22 ft	Comments:	
PZ-2C	10.60 ft	Comments:	
MW-7	11.25 ft	Comments:	Substitute for 2D
PW-3	19.80 ft	Comments:	
PZ-3A	11.37 ft	Comments:	
PZ-3B	11.44 ft	Comments:	
PZ-3C	11.95 ft	Comments:	
PZ-3D	11.45 ft	Comments:	
PW-4	----- ft	Comments:	damaged ring
PZ-4A	13.98 ft	Comments:	
PZ-4B	10.76 ft	Comments:	
PZ-4C	----- ft	Comments:	sealed over
PZ-4D	10.39 ft	Comments:	

PW-5	15.10 ft	Comments:	
PZ-5A	12.31 ft	Comments:	
PZ-5B	10.72 ft	Comments:	
PZ-5C	10.31 ft	Comments:	
PZ-5D	12.39 ft	Comments:	
PW-6	19.40 ft	Comments:	
PZ-6A	11.54 ft	Comments:	
PZ-6B	11.41 ft	Comments:	
PZ-6C	11.70 ft	Comments:	
PZ-6D	11.30 ft	Comments:	Shown as RW-2 on map
PW-7	5.10 ft	Comments:	
MPI-6S	11.13 ft	Comments:	
PZ-7B	11.13 ft	Comments:	
OW-B	11.09 ft	Comments:	
PZ-7D	10.82 ft	Comments:	
PW-8	13.00 ft	Comments:	
PZ-8A	8.01 ft	Comments:	
PZ-8B	7.96 ft	Comments:	
PZ-8C	7.65 ft	Comments:	
PZ-8D	7.90 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 - 5/2012

DATE	ACTIVITY
2-May	OM&M end of month office work.
7-May	OM&M Weekly Inspection and sampling and office work. UM office work.
10-May	Remove vent cover for warm season. Grind off sharp corners on metal bases and ramp.
11-May	Piezometer Readings
14-May	OM&M Weekly Inspection
16-May	Change bag filters
18-May	Remove Blower motor #2. Take motor in for warranty repair. Take blower fan to ACT to be balanced.
21-May	OM&M Weekly Inspection. Emptied remains of old Redux drum into new drum.
24-May	Get Jesco pump parts at Treatment Room. UM office work.
29-May	Clean Air Stripper with power sprayer. Readjust Air Stripper. Get supplies.
30-May	OM&M Weekly Inspection and office work. Special sampling. Pick up blower fan.
31-May	Take shipment of Redux. Meet with property manager about parking lot repaving.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 5/2012

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Repair (2) Filter Baskets	(1) Filter Basket is splitting open along its seam. (1) Filter Basket has a broken handle. Take both baskets to Buffalo Well Products for repair.	Mar-12
Dig containment trench around Library Parking Lot	Spruce needles wash onto Library Parking Lot around groups PW-6 and PW-7 during rain storms. The needles wash into pump wells and underground enclosures where they obstruct the flow of water in the pipes. Re-dig small trench around the entire back parking lot.	Mar-12
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.	May-12
Add Inline filter to Compressor	The Condensate Removal Valve (CRV) on the Air Compressor gets stuck open by occaisional 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	Piezimeter 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
PW-7 is not pumping down	Inspect and clean pump and transducer. Inspect pitless adapter to gauge condition of horizontal lines.	in progress
PW-6 is not pumping down	Inspect/clean pump & transducer. Inspect pitless adapter to gauge condition of horizontal lines.	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.	in progress
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.	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2012

as of May 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	Jun 08, Jul 09			Pipe 8/09	Apr 09, Aug 09	Sep-09		Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	May 10, Oct 10, Aug 11, Mar 12	Nov 07, Jul 09, Oct 10			Pipe 8/09	Aug 09, May 10, Oct 10, Aug 11, Mar 12			Aug 09, May 10, Aug 11		
PW - 8	Aug 09, May 10, Aug 11	Jul 08, Sep 09, Aug 11			Pipe 8/09	Aug 09, May 10, Aug 11			Aug 09, May 10, Aug 11		

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2012

as of May 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	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

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 5/2012

DATE	ACTIVITY
2-May	OM&M end of month office work.
7-May	OM&M Weekly Inspection and sampling and office work. UM office work.
10-May	Remove vent cover for warm season. Grind off sharp corners on metal bases and ramp.
11-May	Piezometer Readings
14-May	OM&M Weekly Inspection
16-May	Change bag filters
18-May	Remove Blower motor #2. Take motor in for warranty repair. Take blower fan to ACT to be balanced.
21-May	OM&M Weekly Inspection. Emptied remains of old Redux drum into new drum.
24-May	Get Jesco pump parts at Treatment Room. UM office work.
29-May	Clean Air Stripper with power sprayer. Readjust Air Stripper. Get supplies.
30-May	OM&M Weekly Inspection and office work. Special sampling. Pick up blower fan.
31-May	Take shipment of Redux. Meet with property manager about parking lot repaving.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 5/2012

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Repair (2) Filter Baskets	(1) Filter Basket is splitting open along its seam. (1) Filter Basket has a broken handle. Take both baskets to Buffalo Well Products for repair.	Mar-12
Dig containment trench around Library Parking Lot	Spruce needles wash onto Library Parking Lot around groups PW-6 and PW-7 during rain storms. The needles wash into pump wells and underground enclosures where they obstruct the flow of water in the pipes. Re-dig small trench around the entire back parking lot.	Mar-12
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.	May-12
Add Inline filter to Compressor	The Condensate Removal Valve (CRV) on the Air Compressor gets stuck open by occaisional 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	Piezimeter 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
PW-7 is not pumping down	Inspect and clean pump and transducer. Inspect pitless adapter to gauge condition of horizontal lines.	in progress
PW-6 is not pumping down	Inspect/clean pump & transducer. Inspect pitless adapter to gauge condition of horizontal lines.	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.	in progress
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.	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2012

as of May 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	Jun 08, Jul 09			Pipe 8/09	Apr 09, Aug 09	Sep-09		Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	May 10, Oct 10, Aug 11, Mar 12	Nov 07, Jul 09, Oct 10			Pipe 8/09	Aug 09, May 10, Oct 10, Aug 11, Mar 12			Aug 09, May 10, Aug 11		
PW - 8	Aug 09, May 10, Aug 11	Jul 08, Sep 09, Aug 11			Pipe 8/09	Aug 09, May 10, Aug 11			Aug 09, May 10, Aug 11		

Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: L0943
Sampled: May 7, 2012
Received: May 25, 2012

Report Date:
25-May-12 12:06

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Work Order: L0943
Project : Mr. C's Dry Cleaning
Project #: 002700.DC13.02.01.01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L0943-01	INFLUENT	Aqueous	07-May-12 14:30	08-May-12 08:35
L0943-02	EFFLUENT	Aqueous	07-May-12 15:00	08-May-12 08:35

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
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

Sample Transmittal Documentation

SPECTRUM ANALYTICAL, INC
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
TAT- Indicate Date Needed: Std
- 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.: _____
Site Name: Mr Cs O M & M
Location: East Aurora State: NY
Sampler(s): R. Alles

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=_____ 10=_____ 11=_____

List preservative code below: 1 4 2

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
L0943	01	INFLUENT	May 7, 2012	2:30 P	G	GW				1	✓			
		INFLUENT		2:30 P	G	GW				1		✓		please send
		INFLUENT		2:30 P	G	GW	2						✓	another sample
L0943	02	EFFLUENT		3:00 P	G	GW				1	✓			kit.
		EFFLUENT		3:00 P	G	GW				1		✓		
		EFFLUENT		3:00 P	G	GW	2						✓	Your labels
														are terrible!
														The backing
														will not come off.

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☒ Other CAT A

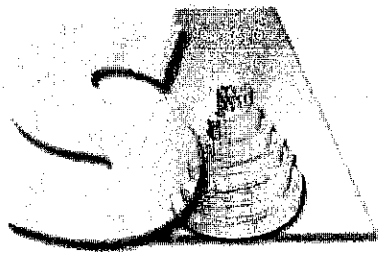
State specific reporting standards: _____

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

Relinquished by:	Received by:	Date:	Time:
Richard C Allen Jr		5/8/12	8:35

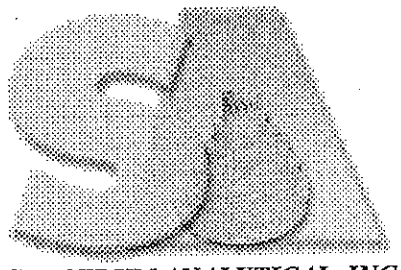
Condition upon receipt: ☑ Iced ☐ Ambient ☑ °C 2

JR



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Volatiles *



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

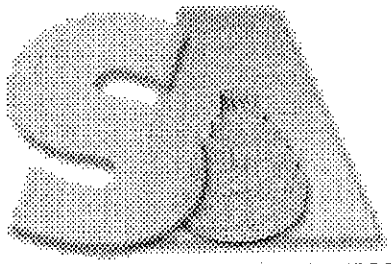
E — This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

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.: L0943 Mod. Ref No.: SDG No.: SL0943

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0943-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1M6952.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/08/2012

% Moisture: not dec. Date Analyzed: 05/18/2012

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	10	U
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	38	
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	730	
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

SW846

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.: L0943 Mod. Ref No.: SDG No.: SL0943

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0943-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1M6952.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/08/2012

% Moisture: not dec. Date Analyzed: 05/18/2012

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.: L0943 Mod. Ref No.: SDG No.: SL0943

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0943-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1M6953.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/08/2012

% Moisture: not dec. Date Analyzed: 05/18/2012

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: (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	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	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	1.2	
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	27	
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

SW846

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.: L0943 Mod. Ref No.: SDG No.: SL0943

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0943-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1M6953.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/08/2012

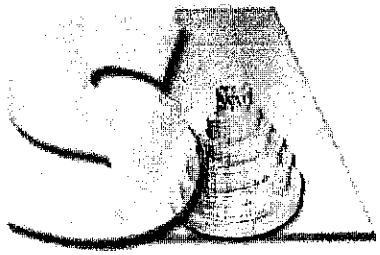
% Moisture: not dec. Date Analyzed: 05/18/2012

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)

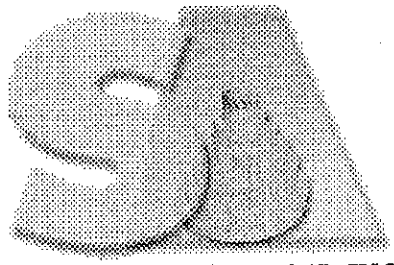
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	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 *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com



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

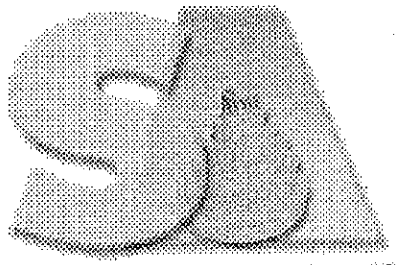
E — This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

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: L0943-01

Project: Mr. C's Dry Cleaning
Collection Date: 05/07/12 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	480		4.0	mg/L CaCO3	1	05/15/2012 9:09	66056
SM 4500 H+ B -- pH VALUE							**SM4500_H+**
pH	7.3		1.0	S.U.	1	05/08/2012 12:00	R67060

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: L0943-02
Project: Mr. C's Dry Cleaning
Collection Date: 05/07/12 15:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	480		4.0	mg/L CaCO3	1	05/15/2012 9:13	66056
SM 4500 H+ B -- pH VALUE							**SM4500_H+**
pH	8.1		1.0	S.U.	1	05/08/2012 12:03	R67060

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
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: L1188
Sampled: May 30, 2012
Received: June 6, 2012

Report Date:
06-Jun-12 16:59

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Work Order: L1188
Project: Mr. C's Dry Cleaning
Project #: 002700.DC13.02.01.01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L1188-01	INFLUENT	Aqueous	30-May-12 12:30	31-May-12 09:00
L1188-02	EFFLUENT	Aqueous	30-May-12 12:30	31-May-12 09:00

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 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
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

Sample Transmittal Documentation

MITKEM LABORATORIES

A Division of SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
TAT- Indicate Date Needed: Std
- 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.: _____
Site Name: MFCS O&M
Location: East Aurora State: NY
Sampler(s): R. Allen

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=_____ 10=_____ 11=_____

List preservative code below: 2

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: VOCs
L1188	01	INFLUENT	5/30/12	12:30 P	G	GW	2				✓
L1188	02	EFFLUENT	5/30/12	12:30 P	G	GW	2				

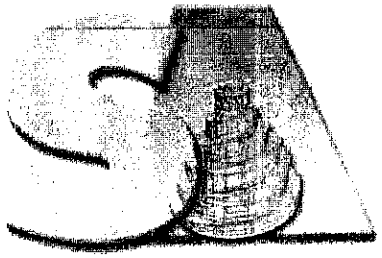
QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other CAT A

State specific reporting standards: _____

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

Condition upon receipt: ☒ Iced ☐ Ambient 4 °C

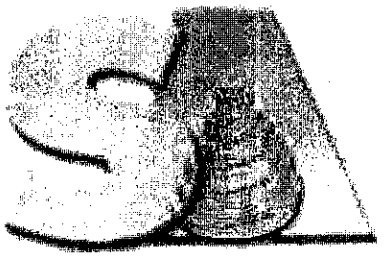
Relinquished by:	Received by:	Date:	Time:
Richard C Allen Jr		5/31/12	9:00



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Volatiles *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com



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

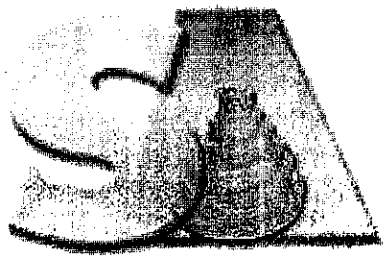
E — This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

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

EPA SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: L1188 Mod. Ref No.: SDG No.: SL1188

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1188-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8B2065.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/31/2012

% Moisture: not dec. Date Analyzed: 06/01/2012

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	12	
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	5.5	J
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	24	
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	390	
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

EPA SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: L1188 Mod. Ref No.: SDG No.: SL1188

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1188-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8B2065.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/31/2012

% Moisture: not dec. Date Analyzed: 06/01/2012

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

EPA SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: L1188 Mod. Ref No.: SDG No.: SL1188

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1188-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8B2066.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/31/2012

% Moisture: not dec. Date Analyzed: 06/01/2012

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: (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	5.0	U
75-15-0	Carbon disulfide	0.58	J
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	0.94	J
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

EPA SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: L1188 Mod. Ref No.: SDG No.: SL1188

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1188-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8B2066.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/31/2012

% Moisture: not dec. Date Analyzed: 06/01/2012

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: (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

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

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 2012 Report

Utility Budget:

Electric:	$12,800.00
Telephone:	$540.00
Gas	$720.00
Total:	$14,060.00

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	06-311-11-002616-26	002700.DC13.02.01. 01	Mr. C's Electric Costs	$1,297.64	$ 1,191.05	$ 1,075.21	$ 1,076.16	$ 963.93	
New York State E&G	76-311-11-015900-18		Agway Site - Electric	$239.29		$97.33		$82.01	
National Fuel Gas	5819628-05	002700.DC13.02.01. 01	Mr. C's Natural Gas Costs	$205.14	$ 193.04	$ 155.38	$ 258.86	$ 70.77	
			Totals	$ 1,742.07	$ 1,384.12	$ 1,327.92	$ 1,335.02	$ 1,116.71	$ -

	Jul-2012	Aug-2012	Sep-2012	Oct-2012	Nov-2012	Dec-2012	Ave. /Month
Mr. C's Electric Costs							$ 1,120.80
Agway Electric							$ 83.73
Mr. C's Natural Gas Costs							$ 176.64
Totals	$0.00	$ -	$ -	$ -	$ -	$ -	$ 1,381.17

Electric (Both sites)	$6,022.65
Natural Gas	$ 883.19
Grand Total - NYSE&G/National Fuel Gas Costs To Date	**$ 6,905.84**

Notes:

Overbilled natural gas costs - no charges

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	002700.DC13.02.01. 01	Mr. C's Telephone Costs						
Account #									
716 652 0094 416 26 2									

	Jul-2012	Aug-2012	Sep-2012	Oct-2012	Nov-2012	Dec-2012	Ave./Month
							$ -

Grand Total - Verizon Costs to Date	**$ -**
Grand Total All Utilities To Date	**$ 6,905.84**

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

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

May 2012 Report

ATTACHMENT C

	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:
January-12	692	692	100.00%	13.8%	Mild January
February-12	768	768	100.00%	11.7%	Mild February
March-12	720	720	100.00%	10.6%	Very Mild March
April-12	624	624	100.00%	7.2%	Warm and Fair April
May-12	888	888	100.00%	8.4%	Sunny May
June-12			#DIV/0!		
July-12			#DIV/0!		
August-12			#DIV/0!		
September-12			#DIV/0!		
October-12			#DIV/0!		
November-12			#DIV/0!		
December-12			#DIV/0!		
Totals to Date	**3692**	**3692**	**100.00%**		

Budget Remaining:

Electric:	$6,777.35
Telephone:	$540.00
Gas	-$163.19
Total:	$7,154.16

* 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	$	1,120.80			
Agway Electric	$	83.73			
Mr. C's Gas	$	176.64			
Mr. C's Telephone	$	-			
Ave. Utility Cost Total	$	1,381.17	**times**	**12 Month Estimate**	**$17,955.18**