



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

February 10, 2012

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

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

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the January 2012 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in Attachment A. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MLI) are provided as Attachments B. The full analytical reports along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for January 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 1/4, 1/9, 1/16, 1/23, 1/30/2012.
- 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 451,020 gallons (Table 2) for January 2012.
- Initial sampling occurred on January 5, 2012 with the laboratory result received on January 6, 2012. The results of the sampling indicated compliance on the effluent discharge requirements for Tetrachloroethene at 2.9 ug/L. Excerpts from the initial analytical data package are presented in Attachments B.
- The analytical results revealed the influent concentration to be 2829 µg/L or 2829 ppb, and 2.9 µg/L or 2.9 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the January 6, 2012 sampling event is presented in Table 4.

Mr. William Welling, Project Manager

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- Overall cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 1/4/12 to 2/2/12 was 99.90%. The air stripper unit on the Mr. C's property is 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 January 2012 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 10.77 lbs. of targeted contaminants from the groundwater below the site in the month of January 2012. The calculations and data for the month are presented in Table 5.

Agway Site Remedial Information

- The Agway facility 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.

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

- No current operational issues.
- Sampling and system(s) inspection at the 1st Presbyterian Church was performed on December 11, 2011.
- Reports of analytical results and system operations to be issued in February 2012

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 2012 are provided as Attachment C.

If you have questions regarding the January 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%
		#DIV/0!
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		#DIV/0!
		#DIV/0!
		#DIV/0!
		#DIV/0!
Total Hours from System Startup '2/02'	79,879.50	
Average Operational Up-time from startup =		96.30%
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 3
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Effluent Discharge Criteria & Analytical Compliance Results

Parameter/Analyte	Daily Maximum	Units	January 6, 2012 Effluent Analytical Values	Compliance
Flow	N/A	gpd	15,552	
pH	6.0 - 9.0	standard units	8.10	
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	2.9	
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	
Aluminum	4,000	µg/L	NA	
Copper	48	µg/L	NA	
Lead	10	µg/L	NA	
Manganese	2,000	µg/L	NA	
Silver	100	µg/L	NA	
Vanadium	28	µg/L	NA	
Zinc	230	µg/L	NA	
Total Dissolved Solids	850	mg/L	NA	
Total Suspended Solids	20	mg/L	NA	
Hardness	N/A	mg/L	490	
Cyanide, Free	10	µg/L	NA	

NOTES:

- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
- Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
- Shaded cells indicate that analytical value exceeds the "Daily Maximum."
- "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
- "NA" indicates that analyses were not performed and data is unavailable.
- Average flows based on effluent readings taken January 4, 2012 through February 2, 2012. Total gallons: 451,020 divided by 29 operating days.
- "I" indicates an estimated value below the detection limit.
- "B" indicates analyte found in the associated blank.
- 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
January 2012 VOC Analytical Summary

Compound	Based on the 1/6/12 Effluent Sampling Results		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency** (%)
Acetone	ND (<50.0)	ND (<5.0)	NA
Benzene	ND (<10.0)	ND (<1.0)	NA
2-Butanone	ND (<50.0)	ND (<5.0)	NA
cis-1, 2-Dichloroethene	190.0	ND (<1.0)	100.00%
Chloroform	ND (<10.0)	ND (<1.0)	100.00%
Methylene chloride	ND (<10.0)	ND (<1.0)	NA
Methyl tert-butyl ether (MTBE)	19	ND (<1.0)	100.00%
Tetrachloroethene	2500.0	2.9	99.88%
Toluene	ND (<10.0)	ND (<1.0)	NA
Trichloroethene	120.0	ND (<1.0)	100.00%
Carbon Disulfide	ND (<10.0)	ND (<1.0)	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<10.0)	ND (<1.0)	NA
Cyclohexane	ND (<10.0)	ND (<1.0)	NA
trans-1,2-dichloroethene	ND (<10.0)	ND (<1.0)	NA
Chlorobenzene	ND (<10.0)	ND (<1.0)	NA
Methylcyclohexane	ND (<10.0)	ND (<1.0)	NA
Methyl acetate	ND (<10.0)	ND (<1.0)	NA
Total Xylenes	ND (<10.0)	ND (<1.0)	NA
January 2012 TOTALs (in ug/L) =	2829.0	2.90	99.90%

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

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

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

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
Total pounds of VOCs removed from inception to December 2011 =				1,525.66
January 2011	1/4/12 - 2/2/12	2829.0	2.90	10.77
February 2011				
March 2011				
April 2011				
May 2011				
June 2011				
July 2011				
August 2011				
September 2011				
October 2011				
November 2011				
December 2011				
Total pounds of VOCs removed from inception =				1,536.43
Total pounds of VOCs removed in 2012 =				10.77

HISTORICAL NOTES:

1. Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
2. Calculations assume that non-detect values = 0 ug/L.
3. Total VOCs summations include estimated "J" values.
4. Calculations are based on effluent totalizer readings.
5. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
6. No samples were collected in September 2003. August 2003 values are used.
7. Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
8. Treatment system operated by O&M Enterprises from 10/03 to 7/07.
9. Treatment system operated by IEG from 7/07 to present.

CONVERSIONS:

1 pound = 453.5924 grams
 1 gallon = 3.785 liters

Based on the Analytical Results from Each Month:

Pounds of VOCs removed calculated by the following formula:

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

Attachment A
IEG Weekly Inspection Reports
January 2012

Including:

1/4/12

1/9/12

1/16/12

1/23/12

1/30/12

2/2/12

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

DATE: 4-Jan-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen, D. Iyer OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, cold OUTSIDE TEMPERATURE (°F): 20

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
RW-1 and PW-5 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>12</u> ft	PW-5	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>193</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>3</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>4</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>13</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>6</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 12/23/11 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 12 gpm INFLUENT TOTALIZER READING: 9,893,766.0 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: 4.0 psi

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

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 11 psi

AIR STRIPPER BLOWER IN USE: #1 #2 _____ AIR STRIPPER PRESSURE: 13.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.015 in. H₂O DISCHARGE PRESSURE: 4.1 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 5.5 psi

EFFLUENT FLOW RATE: 116 gpm EFFLUENT TOTALIZER READING: 66,204,441 606240 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (°F): 52

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

4-Jan-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.

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

Remarks: Sent VOC samples to lab on Jan 5 after increasing air flow to the Air Stripper.

Other Actions: Poured remains of old Redux drum into present drum. Have (1) full drum.

Increased Air Stripper air flow.

Effluent Pump #2 does not pump well. Switched to Effluent Pump #1.

RW-1: tested well pump and found it defective. Replaced pump and tested OK.

AGWAY

SYSTEM VACUUM: _____ in. H₂O

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: Agway 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: 9-Jan-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Sunny, cold OUTSIDE TEMPERATURE (°F): 30

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-4 and PW-5 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

PW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>8</u> ft	PW-5	ON: <input checked="" type="checkbox"/> _____	OFF: _____ <u>193</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/> <u>3</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-7	ON: <input checked="" type="checkbox"/> _____	OFF: _____ <u>5</u> ft
PW-4	ON: <input checked="" type="checkbox"/> _____	OFF: _____ <u>13</u> ft	PW-8	ON: <input checked="" type="checkbox"/> _____	OFF: _____ <u>6</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 1/4/12 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 8 gpm INFLUENT TOTALIZER READING: 9,994,703.0 gallons

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

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 4.0 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>0</u>	<u>0</u> psi	RIGHT:	<u>15 - 6</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 8 psi

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

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.013 in. H₂O DISCHARGE PRESSURE: 3.9 in. H₂O

EFFLUENT PUMP IN USE: #1 #2 _____ EFFLUENT FEED PUMP PRESSURE: 5.5 psi

EFFLUENT FLOW RATE: 90 gpm EFFLUENT TOTALIZER READING: 66,265,570 668790 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (°F): 58

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

9-Jan-12

SAMPLES COLLECTED? YES: _____ NO: ✓

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
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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: Effluent Totalizer Reading Jan 11: 66300224 / 704470

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

Picked up trash around Treatment Room and Library Parking Lot.

PW-4: replaced pump wire - test OK.

PW-5: replaced transducer, well pump wire and pump. Test OK.

AGWAY

SYSTEM VACUUM: _____ in. H₂O

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: Agway 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: 16-Jan-12 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Cloudy, cold OUTSIDE TEMPERATURE (°F): 27

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <u> </u>	OFF: <u>✓</u>	<u>5</u> ft	PW-5	ON: <u> </u>	OFF: <u>✓</u>	<u>6</u> ft
PW-2	ON: <u> </u>	OFF: <u>✓</u>	<u>7</u> ft	PW-6	ON: <u>✓</u>	OFF: <u> </u>	<u>5</u> ft
PW-3	ON: <u> </u>	OFF: <u>✓</u>	<u>3</u> ft	PW-7	ON: <u>✓</u>	OFF: <u> </u>	<u>5</u> ft
PW-4	ON: <u> </u>	OFF: <u>✓</u>	<u>6</u> ft	PW-8	ON: <u> </u>	OFF: <u>✓</u>	<u>5</u> ft

EQUALIZATION TANK: 4 ft Last Alarm DT/Condition: 1/4/12 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 20 gpm INFLUENT TOTALIZER READING: 184,412.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 20 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 34 gallons

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 4.0 psi

BAG FILTER PRESSURES:	Top	Bottom	psi	RIGHT:	Top	Bottom	psi
	LEFT:	<u>0</u>	<u>0</u>		<u>17 - 6</u>	<u>0</u>	

INFLUENT FEED PUMP IN USE: #1 ✓ #2 INFLUENT PUMP PRESSURE: 8 psi

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

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.090 - 1.60 in. H₂O DISCHARGE PRESSURE: 3.7 in. H₂O

EFFLUENT PUMP IN USE: #1 ✓ #2 EFFLUENT FEED PUMP PRESSURE: 4.5 psi

EFFLUENT FLOW RATE: 93 gpm EFFLUENT TOTALIZER READING: 66,382,080 788300 gallons

ARE BUILDING HEATERS IN USE? YES: ✓ NO: INSIDE TEMPERATURE (°F): 55

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

WATER LEVEL IN SUMP: 6.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: ✓ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

16-Jan-12

SAMPLES COLLECTED? YES: _____ NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
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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. Most of the MWs and UEs are covered with ice and snow.

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

Remarks: The Air Stripper Differential Pressure gauge is fluctuating between 0.090 and 1.7. Normally it holds steady to a lower pressure reading. This gauge has (2) tubes which attach to the exhaust pipe.

Other Actions: Changed bag filters.

AGWAY

SYSTEM VACUUM: _____ in. H₂O

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: 23-Jan-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: E&E, Inc., and GES, Inc.

WEATHER CONDITIONS: Rain, cloudy, cool OUTSIDE TEMPERATURE (°F): 38

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 1/17/12 Air Stripper High Level

NOTES: _____

INFLUENT FLOW RATE: 21 gpm INFLUENT TOTALIZER READING: 223,304.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 8 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 13.5 gallons

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 3.0 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>0</u>	<u>0</u> psi	RIGHT:	<u>7</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 INFLUENT PUMP PRESSURE: 8 psi

AIR STRIPPER BLOWER IN USE: #1 #2 AIR STRIPPER PRESSURE: 10.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.017 in. H₂O DISCHARGE PRESSURE: 4.7 in. H₂O

EFFLUENT PUMP IN USE: #1 #2 EFFLUENT FEED PUMP PRESSURE: 4.0 psi

EFFLUENT FLOW RATE: 94 gpm EFFLUENT TOTALIZER READING: 66,405,438 812370 gallons

ARE BUILDING HEATERS IN USE? YES: NO: INSIDE TEMPERATURE (°F): 60

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

WATER LEVEL IN SUMP: 6.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

23-Jan-11

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. MWs and UEs are covered with puddles from ongoing rain.

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

Remarks: E&E, Inc. (Larry) - GES, Inc. will be on site developing wells that they recently installed. E&E, Inc. dropped off an SVE fan for the church.

Other Actions: Gave Larry a clean Redux drum for GES, Inc. to use. Replaced filter over the sump well.

Poured remainder of old Redux drum into new drum. Have 1/8 drum of Redux.

Took delivery of (3) Redux drums (Jan 27).

AGWAY

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

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

Remarks: System is OFF until further instructions.

Other Actions: Inspected SVE fan at First Presbyterian Church with maintenance man (Bill). West fan is only slightly louder than the south fan but Bill said it has quieted down.

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

DATE: 30-Jan-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, cold OUTSIDE TEMPERATURE (° F): 28

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 1/17/12 Air Stripper High Level

NOTES: _____

INFLUENT FLOW RATE: 11 gpm INFLUENT TOTALIZER READING: 429,694.0 gallons

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

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 4.0 psi

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	RIGHT:	Top	Bottom
		<u>0</u>	<u>0</u> psi		<u>20 - 6</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 #2 _____ INFLUENT PUMP PRESSURE: 8 psi

AIR STRIPPER BLOWER IN USE: #1 #2 _____ AIR STRIPPER PRESSURE: 11.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.016 in. H₂O DISCHARGE PRESSURE: 4.6 in. H₂O

EFFLUENT PUMP IN USE: #1 #2 _____ EFFLUENT FEED PUMP PRESSURE: 4.0 psi

EFFLUENT FLOW RATE: 92 gpm EFFLUENT TOTALIZER READING: 66,533,683 944250 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (° F): 51

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

30-Jan-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 top cover is missing. Most likely it was pulled off by the snowplow during the previous day's snow storm.

The inside of the inner ring is filled with ice.

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

Remarks:

Other Actions: PZ-1B - filled with sand and sealed over with Asphalt Patch. Inner ring should be replaced and lowered to prevent contact with snowplow. Temperature must be warmer to set the concrete needed for a new inner ring.

PW-6 - top cover is missing. Town of Aurora placed a traffic cone over the well.

Swept spruce needles off of Library Parking Lot around well groups.

AGWAY

SYSTEM VACUUM: _____ in. H₂O

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: 2-Feb-12 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Sunny, cold OUTSIDE TEMPERATURE (°F): 30

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <u> </u>	OFF: <u> ✓ </u>	<u>7</u> ft	PW-5	ON: <u> </u>	OFF: <u> ✓ </u>	<u>7</u> ft
PW-2	ON: <u> </u>	OFF: <u> ✓ </u>	<u>7</u> ft	PW-6	ON: <u> </u>	OFF: <u> ✓ </u>	<u>7</u> ft
PW-3	ON: <u> </u>	OFF: <u> ✓ </u>	<u>7</u> ft	PW-7	ON: <u> ✓ </u>	OFF: <u> </u>	<u>6</u> ft
PW-4	ON: <u> </u>	OFF: <u> ✓ </u>	<u>8</u> ft	PW-8	ON: <u> ✓ </u>	OFF: <u> </u>	<u>7</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 1/17/12 Air Stripper High Level

NOTES: _____

INFLUENT FLOW RATE: 7 gpm INFLUENT TOTALIZER READING: 626,745.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 20 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 34 gallons

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 4.0 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>24</u>	<u>0</u> psi	RIGHT:	<u>40 - 6</u>	<u>0</u> psi

INFLUENT FEED PUMP IN USE: #1 ✓ #2 INFLUENT PUMP PRESSURE: 8 psi

AIR STRIPPER BLOWER IN USE: #1 ✓ #2 AIR STRIPPER PRESSURE: 12.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.018 in. H₂O DISCHARGE PRESSURE: 4.6 in. H₂O

EFFLUENT PUMP IN USE: #1 ✓ #2 EFFLUENT FEED PUMP PRESSURE: 4.5 psi

EFFLUENT FLOW RATE: 92 gpm EFFLUENT TOTALIZER READING: 66,655,461 69290 gallons

ARE BUILDING HEATERS IN USE? YES: ✓ NO: INSIDE TEMPERATURE (°F): 56

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

2-Feb-12

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	9:30 AM	7.46	7.21	10.0	2700
AIR STRIPPER EFFLUENT:	EFF	9:30 AM	7.08	8.50	11.2	2747

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 and PW-6 have missing top covers.

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

Remarks:

Other Actions: Changed bag filters.

PW-6 - replaced missing top cover.

Replaced blower unit on west side of Church's subslab vapor extraction system

AGWAY

SYSTEM VACUUM: _____ in. H₂O

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: 2-Feb-12

Measurements taken by: R. Allen

RW-1	17.20 ft	Comments:
PZ-1A	10.54 ft	Comments:
PZ-1B	-----	Comments: snowplow damaged
PZ-1C	11.45 ft	Comments:
PZ-1D	11.52 ft	Comments:
PW-2	15.84 ft	Comments:
PZ-2A	19.29 ft	Comments:
PZ-2B	10.41 ft	Comments:
PZ-2C	9.95 ft	Comments:
MW-7	11.05 ft	Comments: Substitute for 2D
PW-3	16.00 ft	Comments:
PZ-3A	10.55 ft	Comments:
PZ-3B	----- ft	Comments: Under snow pile
PZ-3C	11.08 ft	Comments:
PZ-3D	10.61 ft	Comments:
PW-4	17.30 ft	Comments:
PZ-4A	10.62 ft	Comments:
PZ-4B	9.98 ft	Comments:
PZ-4C	-----	Comments: sealed over
PZ-4D	9.54 ft	Comments:

PW-5	15.30 ft	Comments:
PZ-5A	11.85 ft	Comments:
PZ-5B	9.90 ft	Comments:
PZ-5C	9.49 ft	Comments:
PZ-5D	10.08 ft	Comments:
PW-6	19.10 ft	Comments: Top cover missing
PZ-6A	10.83 ft	Comments:
PZ-6B	10.65 ft	Comments:
PZ-6C	10.95 ft	Comments:
PZ-6D	10.52 ft	Comments: Shown as RW-2 on map
PW-7	17.80 ft	Comments:
MPI-6S	10.30 ft	Comments:
PZ-7B	10.68 ft	Comments:
OW-B	10.44 ft	Comments:
PZ-7D	10.28 ft	Comments:
PW-8	19.50 ft	Comments:
PZ-8A	7.37 ft	Comments:
PZ-8B	7.73 ft	Comments:
PZ-8C	7.02 ft	Comments:
PZ-8D	7.24 ft	Comments:

PUMPS IN OPERATION DURING MEASUREMENTS

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

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 1/2012

DATE	ACTIVITY
3-Jan	OM&M and UM office work
4-Jan	OM&M Weekly Inspection and Sampling. Adjust Air Stripper. Check Autodialer and PanelView.
5-Jan	Take performance water samples. Record Air Stripper data. OM&M office work.
6-Jan	RW-1 - replace well pump. Test new pump. Record well pump information.
9-Jan	OM&M Weekly Inspection. Swept spruce needles from library parking lot. Picked up trash around Treatment Room and Library well groups. PW-4 and PW-5 test voltage. Test new well pumps.
10-Jan	Piezometer Readings
11-Jan	PW-4 and PW-5 repair
12-Jan	OM&M office work.
16-Jan	OM&M Weekly Inspection. Changed bag filters.
20-Jan	OM&M office work.
23-Jan	OM&M Weekly Inspection. Reset Autodialer and PanelView. Inspect west fan at Church with Bill.
26-Jan	Pour remnants of old Redux drum into present drum and rinse old drum. Shovel snow in front of Treatment Room. Pour decanted water into sump box.
27-Jan	Took delivery of Redux drums. Inspect west fan at Church.
30-Jan	OM&M Weekly Inspection

Mr. C's CLEANERS OM&M
SUMMARY OF FIELD ACTIVITIES BY IEG - 1/2012

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
PZ-4B Repair	Corroded inner ring cause collapse of top cover. Replace inner ring.	Sep-11
Air Stripper Trays	Disassembled, completely pressure washed and reassembled air stripper trays; removed sludge in Air Stripper sump; decanted supernatant from drums	Oct-11
Agway Shed is unlevel	Agway Shed has sunk down at the southwest corner making the alignment of the door handles poor. Raise and shim the shed floor as needed.	Nov-11
PW-2 level	Water level reading is high. Inspect transducer and make necessary repairs	Nov-11
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	on hold
AS / SVE System Evaluation	Agway Shed - test & evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	on hold
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezometer in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Repair PW-5	PW-5 triggered an Autodialer overload alarm. Inspect, purge well, clean pump, plastic pipe and transducer. Trouble shoot.	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
Add Inline filter to Compressor	The Condensate Removal Valve (CRV) on the Air Compressor gets stuck open by occasional pieces of debris from the air tank. Put filter on hose before the CRV.	on hold
PW-5 Well Pump not cycling down	The well pump stays on after the water level drops. Transducer could be bad. Inspect and clean well pump and transducer.	in progress
Repair Blower #2	Determined that bearing is failing in Air Stripper Blower Motor. Removed motor and take to repair shop. Reinstalled motor.	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-2 level	Water level reading is high. Inspect transducer and make necessary repairs	Nov-12
PW-3 level	Water level reading is high. Inspect transducer and make necessary repairs	Dec-12
PW-4 not pumping	Inspect well pump and make necessary repairs.	in progress
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
Clean Effluent Pumps and Meter	Effluent Meter is running slowly. Disassemble and clean pumps and meter.	in progress
RW-1 Repair	Replace non working well pump	Jan-12
Church Fan Complaint	Church complained that west fan was noisy. Fan was slightly louder than the south fan - was replaced on 2/8/12	Feb-12

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2012

as of Jan 12

ID	NEEDS CLEANING & INSPECTION	NEEDS NEW PUMP	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	PITLESS ADAPTER	NEEDS HORIZONTAL LINE PURGE	NEEDS TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	NEEDS ANEROID BELLOWES	NEEDS U.E. CLEANED	NEEDS U.E. REPAIR
RW-1	DONE 1/12	NO		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		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	NO	DONE 8/09	Replaced pipe 8/09	DONE 8/09			YES 7/09	NO	DONE 9/09	NO	DONE
PW-7	NO	DONE 10/10	Replaced pipe 8/09	YES	YES	DONE 8/11	NO	NO	DONE	NO	NO
PW-8	NO	DONE 8/11	Replaced pipe 8/09	NO	YES	DONE 8/11	NO	NO	YES	NO	NO

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2012

as of Jan 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	Nov 07, Jul 09, Oct 10			Pipe 8/09	Aug 09, May 10, Oct 10, Aug 11			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: L0028

Sampled: January 5, 2012

Received: January 6, 2012

Report Date:
23-Jan-12 09:27



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: L0028
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
L0028-01	INFLUENT	Aqueous	05-Jan-12 14:00	06-Jan-12 09:00
L0028-02	EFFLUENT	Aqueous	05-Jan-12 14:30	06-Jan-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 sample(s) as received. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

All applicable NELAP or USEPA CLP requirements have been met.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.mitkem.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 PE-0153
- Delaware N/A
- 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



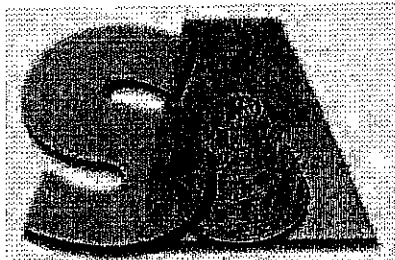
LABORATORY
ACCREDITATION
BUREAU
ACCREDITED



Certificate # L2247 Testing

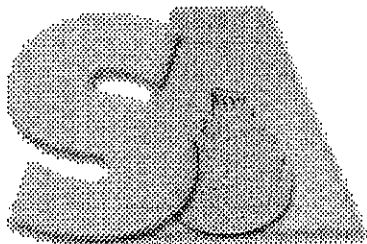
Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

** Volatiles **



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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.: L0028 Mod. Ref No.: _____ SDG No.: SL0028
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0028-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4959.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/06/2012
 % Moisture: not dec. Date Analyzed: 01/11/2012
 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:		Q
		(ug/L or ug/Kg)	UG/L	
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		19	
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		150	
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		190	
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		2300	E
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.: L0028 Mod. Ref No.: _____ SDG No.: SL0028
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0028-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4959.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/06/2012
 % Moisture: not dec. Date Analyzed: 01/11/2012
 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
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.

INFLUENTDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L0028 Mod. Ref No.: _____ SDG No.: SL0028
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0028-01ADL
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A9161.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/06/2012
 % Moisture: not dec. Date Analyzed: 01/13/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		20	U
74-87-3	Chloromethane		20	U
75-01-4	Vinyl chloride		20	U
74-83-9	Bromomethane		20	U
75-00-3	Chloroethane		20	U
75-69-4	Trichlorofluoromethane		20	U
75-35-4	1,1-Dichloroethene		20	U
67-64-1	Acetone		100	U
75-15-0	Carbon disulfide		20	U
75-09-2	Methylene chloride		20	U
156-60-5	trans-1,2-Dichloroethene		20	U
1634-04-4	Methyl tert-butyl ether		10	DJ
75-34-3	1,1-Dichloroethane		20	U
78-93-3	2-Butanone		100	U
156-59-2	cis-1,2-Dichloroethene		90	D
67-66-3	Chloroform		20	U
71-55-6	1,1,1-Trichloroethane		20	U
56-23-5	Carbon tetrachloride		20	U
107-06-2	1,2-Dichloroethane		20	U
71-43-2	Benzene		20	U
79-01-6	Trichloroethene		120	D
78-87-5	1,2-Dichloropropane		20	U
75-27-4	Bromodichloromethane		20	U
10061-01-5	cis-1,3-Dichloropropene		20	U
108-10-1	4-Methyl-2-pentanone		100	U
108-88-3	Toluene		20	U
10061-02-6	trans-1,3-Dichloropropene		20	U
79-00-5	1,1,2-Trichloroethane		20	U
127-18-4	Tetrachloroethene		2500	D
591-78-6	2-Hexanone		100	U
124-48-1	Dibromochloromethane		20	U
106-93-4	1,2-Dibromoethane		20	U
108-90-7	Chlorebenzene		20	U
100-41-4	Ethylbenzene		20	U
1330-20-7	Xylene (Total)		20	U

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

CLIENT SAMPLE NO.

INFLUENTDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L0028 Mod. Ref No.: _____ SDG No.: SL0028
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0028-01ADL
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A9161.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/06/2012
 % Moisture: not dec. Date Analyzed: 01/13/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		20	U
75-25-2	Bromoform		20	U
98-82-8	Isopropylbenzene		20	U
79-34-5	1,1,2,2-Tetrachloroethane		20	U
541-73-1	1,3-Dichlorobenzene		20	U
106-46-7	1,4-Dichlorobenzene		20	U
95-50-1	1,2-Dichlorobenzene		20	U
96-12-8	1,2-Dibromo-3-chloropropane		20	U
120-82-1	1,2,4-Trichlorobenzene		20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		20	U
110-82-7	Cyclohexane		20	U
79-20-9	Methyl acetate		20	U
108-87-2	Methylcyclohexane		20	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.: L0028 Mod. Ref No.: _____ SDG No.: SL0028
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0028-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A9160.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/06/2012
 % Moisture: not dec. Date Analyzed: 01/13/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		1.0	U
75-09-2	Methylene chloride		1.0	U
156-60-5	trans-1,2-Dichloroethene		1.0	U
1634-04-4	Methyl tert-butyl ether		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		2.9	
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.: L0028 Mod. Ref No.: _____ SDG No.: SL0028
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0028-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A9160.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/06/2012
 % Moisture: not dec. Date Analyzed: 01/13/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

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

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

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

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

January 2012 Report

Month	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:	Budget Remaining:	Electric:	Telephone:	Gas *	Total:
January-12	692	692	100.00% #DIV/0!	13.8%	Mild January		\$11,263.07			
February-12										
March-12										
April-12										
May-12										
June-12										
July-12										
August-12										
September-12										
October-12										
November-12										
December-12										
Totals to Date	692	692	100.00%							\$12,317.93

* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 9102. 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	\$	1,297.64
Acway Electric	\$	239.29
Mr. C's Gas	\$	205.14
Mr. C's Telephone	\$	-
Ave. Utility Cost Total	\$	1,742.07
		times
		12 Month Estimate
		\$22,646.91

ATTACHMENT C