



ecology and environment engineering, p.c.

International Specialists in the Environment

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January 11, 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
December 2011 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the December 2011 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 and C. 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 December 2011, 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 12/5, 12/12, 12/21, 12/27/201, and 1/4/2012.
- 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 227,883 gallons (Table 2) for December 2011.
- Initial sampling occurred on December 8, 2011 with the laboratory result received on December 27, 2011. The results of the sampling indicated non-compliance on the effluent discharge for Tetrachloroethene at 46 ug/L. Excerpts from the initial analytical data package are presented in Attachments B. Corrective actions were then directed by EEEPC and employed by IEG on adjusting air flows, inspecting the stripper trays for preferential pathways, and providing high-pressure cleaning where necessary. Upon completion of the corrective actions the influent and effluent was resampled for analysis.
- The analytical samples for the monthly compliance were then resampled on January 4, 2012. The sampling results were received by EEEPC on January 9, 2012.

Mr. William Welling, Project Manager

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- Excerpts from the January 4, 2012 Analytical Data package for the sampling events are presented in Attachments C.
- A review of the analytical data from January 9, 2012 indicated no non-compliance issues were encountered after the corrective actions were completed. The conclusion of the corrective actions were that additional air flow adjustments were required to refine the effluent cleanup after completion of the air stripper teardown and cleanup operations that were performed in November 2011.
- The analytical results revealed the influent concentration to be 1765.6 µg/L or 1765.6 ppb, and 1.4 µg/L or 1.4 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the January 9, 2012 sampling event is presented in Table 4.
- Overall cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 12/5/11 to 1/4/12 was 99.92%. 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 December 2011 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 3.36 lbs. of targeted contaminants from the groundwater below the site in the month of December 2011. 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 result 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 January 2012

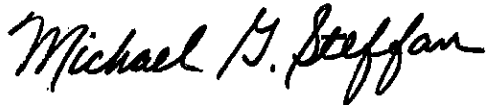
Mr. C's and Agway Energy Usage Information

A copy of the site utility costs from the Mr. C's and Agway remedial operations for December 2011 are provided as Attachment D.

Mr. William Welling, Project Manager
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If you have questions regarding the December 2011 OM&M report summary, please do not hesitate to contact me at 716-684-8060.

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

A handwritten signature in black ink that reads "Michael G. Steffan". The signature is written in a cursive style with a large, prominent initial "M".

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 1/5/11)	70,656.50	96.11%
January 5, 2011 - February 1, 2011	648	100.00%
February 1, 2011 - March 7, 2011	840	100.00%
March 7, 2011 - March 29, 2011	528	100.00%
March 29, 2011 - May 3, 2011	775	92.26%
May 3, 2011 - May 31, 2011	672	100.00%
May 31, 2011 - July 5, 2011	840	100.00%
July 5, 2011 - July 25, 2011	480	100.00%
July 25, 2011 - September 5, 2011	1008	100.00%
September 5, 2011 - October 3, 2011	672	100.00%
October 3, 2011 - November 2, 2011	720	100.00%
November 2, 2011 - December 5, 2011	792	100.00%
December 5, 2011 - January 4, 2012	744	100.00%
Total Hours from System Startup '2/02'	79,375.50	
Average Operational Up-time from startup =		96.45%
Average Operational Up-time for 2011 =		99.26%

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 2010	9/5/02 - 1/5/11	114,331,011
January 2011 ³	1/5/11 - 2/1/11	369,337
February 2011 ³	2/1/11 - 3/7/11	472,292
March 2011 ³	3/7/11 - 3/29/11	345,421
April 2011 ³	3/29/11 - 5/3/11	515,800
May 2011 ³	5/3/11 - 5/31/11	437,681
June 2011 ³	5/31/11 - 7/5/11	538,190
July 2011 ³	7/5/11 - 7/25/11	227,334
August 2011 ³	7/25/11 - 9/5/11	371,276
September 2011 ³	9/5/11 - 10/3/11	196,557
October 2011 ³	10/3/11 - 11/2/11	188,815
November 2011 ³	11/2/11 - 12/05/11	214,480
December 2011 ³	12/5/11 - 1/4/12	227,883
Total Gallons Treated in 2011		4,105,066
Total Gallons Treated To Date:		118,436,077

NOTES:

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

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

Parameter/Analyte	Daily Maximum	Units	December 27, 2011 ¹ Effluent Analytical Values	Resampling January 4, 2012 Effluent Analytical Values
Flow	N/A	gpd	7,351	7,351
pH	6.0 - 9.0	standard units	7.90	8.10
1,1 Dichloroethene	10	µg/L	ND(<1.0)	ND(<1.0)
1,1 Dichloroethane	10	µg/L	ND(<1.0)	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	4.1	ND(<1.0)
Trichloroethene	10	µg/L	4.0	ND(<1.0)
Tetrachloroethene	10	µg/L	46.0	1.4
Vinyl Chloride	10	µg/L	ND(<1.0)	ND(<1.0)
Benzene	5	µg/L	ND(<1.0)	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<1.0)	ND(<1.0)
1,1,1 Trichloroethane	10	µg/L	ND(<1.0)	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	µg/L	2.9	ND(<1.0)
o-Xylene ²	5	µg/L	NA	NA
m, p-Xylene ²	10	µg/L	NA	NA
Total Xylenes	NA	µg/L	ND(<1.0)	ND(<1.0)
Iron, total	600	µg/L	NA ³	NA ³
Aluminum	4,000 ⁴	µg/L	NA ³	NA ³
Copper	48	µg/L	NA ³	NA ³
Lead	11	µg/L	NA ³	NA ³
Manganese	2,000	µg/L	NA ³	NA ³
Silver	100	µg/L	NA ³	NA ³
Vanadium	28	µg/L	NA ³	NA ³
Zinc	230	µg/L	NA ³	NA ³
Total Dissolved Solids	850	mg/L	NA ³	NA ³
Total Suspended Solids	20	mg/L	NA ³	NA ³
Hardness	N/A	mg/L	540	490
Cyanide, Free	10 ⁵	µg/L	NA ³	NA ³

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 December 5, 2011 through January 4, 2012. Total gallons: 227,883 divided by 31 operating days.
- "J" 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
December 2011 VOC Analytical Summary

Compound	Based on the 1/9/12 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	120.0	ND (<1.0)	100.00%
Chloroform	6.6	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	1500.0	1.4	99.91%
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
December 2011 TOTALs (in ug/L) =	1765.6	1.40	99.92%

- 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 2010 =				1479.64
January 2011	1/5/11 - 2/1/11	1035.3	3.81	4.15
February 2011	2/1/11 - 3/7/11	1310.0	0.73	3.36
March 2011	3/7/11 - 3/29/11	1541.0	0.00	4.44
April 2011	3/29/11 - 5/3/11	1121.0	0.74	4.82
May 2011	5/3/11 - 5/31/11	785.0	5.20	2.85
June 2011	5/31/11 - 7/5/11	1447.8	3.10	6.49
July 2011	7/5/11 - 7/25/11	1625.3	3.01	3.08
August 2011	7/25/11 - 9/5/11	1330.0	0.97	4.12
September 2011	9/5/11 - 10/3/11	1845.0	0.00	3.03
October 2011	10/03/11 - 11/02/11	1709.0	0.00	2.69
November 2011	11/02/2011 - 12/05/2011	2227.0	9.32	3.96
December 2011	12/5/11 - 1/4/12	1765.6	1.40	3.36
Total pounds of VOCs removed from inception =				1,525.98
Total pounds of VOCs removed in 2011 =				46.34

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:

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

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 2010 =				1479.64
January 2011	1/5/11 - 2/1/11	1035.3	3.81	4.15
February 2011	2/1/11 - 3/7/11	1310.0	0.73	3.36
March 2011	3/7/11 - 3/29/11	1541.0	0.00	4.44
April 2011	3/29/11 - 5/3/11	1121.0	0.74	4.82
May 2011	5/3/11 - 5/31/11	785.0	5.20	2.85
June 2011	5/31/11 - 7/5/11	1447.8	3.10	6.49
July 2011	7/5/11 - 7/25/11	1625.3	3.01	3.08
August 2011	7/25/11 - 9/5/11	1330.0	0.97	4.12
September 2011	9/5/11 - 10/3/11	1845.0	0.00	3.03
October 2011	10/03/11 - 11/02/11	1709.0	0.00	2.69
November 2011	11/02/2011 - 12/05/2011	2227.0	9.32	3.96
December 2011	12/5/11 - 1/4/12	1765.6	1.40	3.36
Total pounds of VOCs removed from inception =				1,525.98
Total pounds of VOCs removed in 2011 =				46.34

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.
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CONVERSIONS:

- 1 pound = 453.5924 grams
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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
December 2011

Including:

12/5/11

12/12/11

12/21/11

12/27/11

1/4/12

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

DATE: 5-Dec-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Rain, cool OUTSIDE TEMPERATURE (° F): 48

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>11</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: <input checked="" type="checkbox"/>	OFF: _____	<u>4</u> ft
PW-3	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>12</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>5</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>21</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>4</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 11/29/11 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 8 gpm INFLUENT TOTALIZER READING: 9,505,893.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 9 Inches (x 1.7=) AMOUNT OF AGENT REMAINING: 15 gallons

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

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

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

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

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.02 in. H₂O DISCHARGE PRESSURE: 4.5 in. H₂O

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

EFFLUENT FLOW RATE: 116 gpm EFFLUENT TOTALIZER READING: 65,976,558 372390 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: 7.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

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

5-Dec-11

SAMPLES COLLECTED? YES: _____ NO: ✓

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	<u>INF</u>	<u>2:00 PM</u>	<u>7.46</u>	<u>9.98</u>	<u>11.0</u>	<u>2700</u>
AIR STRIPPER EFFLUENT:	<u>EFF</u>	<u>2:00 PM</u>	<u>8.54</u>	<u>8.84</u>	<u>11.2</u>	<u>2747</u>

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? YES: _____ NO: ✓

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: ✓ NO: _____

If yes, provide manhole/electric box ID and description of any corrective measures below:

PW-4 has collapsed inner ring.

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

Remarks: _____

Other Actions: _____

AGWAY

SYSTEM VACUUM: <u> -23 </u> in. H ₂ O			AIR PRESSURE: <u> 45 </u> psi		
SP-1:	<u> 0.0 </u> scfm	<u> 26.5 </u> psi	SP-5:	<u> 0.0 </u> scfm	<u> 28.5 </u> psi
SP-2:	<u> 0.0 </u> scfm	<u> > 30 </u> psi	SP-6:	<u> 0.0 </u> scfm	<u> 30.0 </u> psi
SP-3:	<u> 0.0 </u> scfm	<u> 30.0 </u> psi	SP-7:	<u> 0.0 </u> scfm	<u> > 30 </u> psi
SP-4:	<u> 0.0 </u> scfm	<u> > 30 </u> psi	SP-8:	<u> 0.0 </u> scfm	<u> > 30 </u> psi

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

Remarks: Drained (5) gals from SVE vacuum drum.

Other Actions: Cover (5) out of (6) vents in shed.

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

DATE: 12-Dec-11 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
RW-1 and PW-5 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <u>✓</u>	OFF: <u>12</u> ft	PW-5	ON: <u>✓</u>	OFF: <u>193</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>12</u> ft	PW-7	ON: <u>✓</u>	OFF: <u>4</u> ft
PW-4	ON: <u>✓</u>	OFF: <u>13</u> ft	PW-8	ON: <u>✓</u>	OFF: <u>5</u> ft

EQUALIZATION TANK: 4 ft Last Alarm DIT/Condition: 11/29/11 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 9 gpm INFLUENT TOTALIZER READING: 9,596,112.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 1 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 1.7 gallons
 SEQUESTERING AGENT FEED RATE: 4.0 ml/min METERING PUMP PRESSURE: 4.0 psi

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

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

AIR STRIPPER BLOWER IN USE: #1 ✓ #2 AIR STRIPPER PRESSURE: 10.0 in. H₂O
 AIR STRIPPER DIFFERENTIAL PRESSURE: 0.019 in. H₂O DISCHARGE PRESSURE: 4.5 in. H₂O

EFFLUENT PUMP IN USE: #1 #2 ✓ EFFLUENT FEED PUMP PRESSURE: 5.0 psi
 EFFLUENT FLOW RATE: 110 gpm EFFLUENT TOTALIZER READING: 66,029,377 426440 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: 6.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: ✓ NO:

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

12-Dec-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.

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

Remarks: _____

Other Actions: Switched Redux pickup to new drum. Have (2) full drums.
 Installed vent cover over the man door for the winter.

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: Agway System is OFF due to maintenance problem.

Other Actions: Organized the shed.

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

DATE: 21-Dec-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Rain, cool OUTSIDE TEMPERATURE (° F): 45

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>7</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft
PW-3	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>12</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>4</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>21</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>4</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 11/29/11 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 11 gpm INFLUENT TOTALIZER READING: 9,707,799.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 21 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 35.5 gallons

SEQUESTERING AGENT FEED RATE: 5.0 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>9</u>	<u>0</u> psi

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

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

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.021 in. H₂O DISCHARGE PRESSURE: 4.5 in. H₂O

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

EFFLUENT FLOW RATE: 114 gpm EFFLUENT TOTALIZER READING: 66,094,214 493040 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: 6.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

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

21-Dec-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. Most MWs and UEs have water present from ongoing rain.

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

Remarks: (1) 5 gal Yellow Valu bucket is missing.

Other Actions: PW-3: replaced defective well pump - tested OK.

PW-4: replaced defective well pump - tested not working. Needs more troubleshooting to determine why new well pump will not work.

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: Agway system is OFF due to electrical problem.

Other Actions:

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

DATE: 27-Dec-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (° F): 39

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

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

NOTES: _____

INFLUENT FLOW RATE: 17 gpm INFLUENT TOTALIZER READING: 9,784,335.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 14 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 24 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>8</u>	

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: 0.016 in. H₂O DISCHARGE PRESSURE: 1.4 in. H₂O

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

EFFLUENT FLOW RATE: 116 gpm EFFLUENT TOTALIZER READING: 66,139,939 540010 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: 6.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

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

27-Dec-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.

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

Remarks:

Other Actions: Poured decanted filter change water into sump box.

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: 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: 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

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

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. 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: Agway 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: 13-Dec-11

Measurements taken by:

R. Allen

RW-1	<u>18.40</u> ft	Comments:	
PZ-1A	<u>10.78</u> ft	Comments:	
PZ-1B	<u>10.27</u> ft	Comments:	
PZ-1C	<u>11.73</u> ft	Comments:	
PZ-1D	<u>11.82</u> ft	Comments:	
PW-2	<u>16.40</u> ft	Comments:	
PZ-2A	<u>19.16</u> ft	Comments:	
PZ-2B	<u>10.72</u> ft	Comments:	
PZ-2C	<u>10.21</u> ft	Comments:	
MW-7	<u>10.75</u> ft	Comments:	Substitute for 2D
PW-3	<u>10.90</u> ft	Comments:	
PZ-3A	<u>10.86</u> ft	Comments:	
PZ-3B	<u>10.93</u> ft	Comments:	
PZ-3C	<u>11.40</u> ft	Comments:	
PZ-3D	<u>11.82</u> ft	Comments:	
PW-4	<u>11.11</u> ft	Comments:	
PZ-4A	<u>-----</u> ft	Comments:	collapsed ring
PZ-4B	<u>17.13</u> ft	Comments:	
PZ-4C	<u>-----</u> ft	Comments:	sealed over
PZ-4D	<u>9.90</u> ft	Comments:	

PW-5	<u>11.20</u> ft	Comments:	
PZ-5A	<u>10.64</u> ft	Comments:	
PZ-5B	<u>10.27</u> ft	Comments:	
PZ-5C	<u>9.05</u> ft	Comments:	
PZ-5D	<u>10.65</u> ft	Comments:	
PW-6	<u>19.30</u> ft	Comments:	
PZ-6A	<u>11.38</u> ft	Comments:	
PZ-6B	<u>11.15</u> ft	Comments:	
PZ-6C	<u>11.45</u> ft	Comments:	
PZ-6D	<u>11.07</u> ft	Comments:	Shown as RW-2 on map
PW-7	<u>20.40</u> ft	Comments:	
MPI-6S	<u>12.49</u> ft	Comments:	
PZ-7B	<u>11.27</u> ft	Comments:	
OW-B	<u>11.04</u> ft	Comments:	
PZ-7D	<u>10.81</u> ft	Comments:	
PW-8	<u>18.60</u> ft	Comments:	
PZ-8A	<u>7.90</u> ft	Comments:	
PZ-8B	<u>7.86</u> ft	Comments:	
PZ-8C	<u>7.32</u> ft	Comments:	
PZ-8D	<u>7.61</u> ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

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

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 12/2011

DATE	ACTIVITY
1-Dec	PW-3 and PW-4 replace transducers. Level Agway Shed.
5-Dec	OM&M Weekly Inspection. Record old transducer information.
8-Dec	Cover vents in Agway Shed. Take water samples. Get supplies.
12-Dec	OM&M Weekly Inspection. Installed vent cover over man door. Piezometer Readings.
13-Dec	Organize Agway Shed. Piezometer Readings.
14-Dec	Get supplies.
20-Dec	OM&M office work
21-Dec	OM&M Weekly Inspection. UM office work.
22-Dec	Record equipment information. UM office work.
23-Jan	PW-3 replace well pump. PW-4 replace well pump. Change bag filters.
27-Dec	OM&M Weekly Inspection.
30-Dec	Get supplies

Mr. C's CLEANERS OM&M
SUMMARY OF FIELD ACTIVITIES BY IEG - 12/2011

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
PW-8 Well Pump not cycling down	Well pump stays on & GW level does not drop; horizontal line may be plugged. Inspected & cleaned pump & transducer. Purged horizontal line. Replaced pump.	Aug-11
PW-7 Well needs cleanout	PW-7 needs a horizontal line purge and well purge after PW-8 receives its purges.	Aug-11
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 install 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 Autofloater 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 replace pitless adapter	in progress
PW-8 pitless adapter	Pitless adapter feels broken/does not seal well. Repair/replace pitless adapter	in progress

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	Feb-08	May-10			May-10					
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		Repair adapter		Aug 09, Nov 11	Nov-11		Aug-09	Nov-11	
PW - 4	Sep 09, May 10	Dec-07	NEED			May 10, Nov 11	Nov-11		Jul 09, Sep 09	Sep 09, Nov 11	Sep-09
PW - 5		Jul-08	NEED			Mar-11		Sep-09			
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		

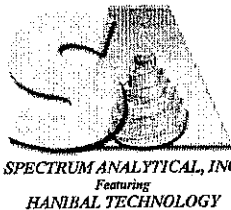
Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: K2596

Sampled: December 8, 2011

Received: December 27, 2011

Report Date:
27-Dec-11 13:37



- Final Report
 Re-Issued Report
 Revised Report

Laboratory Report

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

Work Order: K2596
Project: Mr. C's Dry Cleaning
Project #: 002700.DC13.02.01.01

Attn: Michael Steffan

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
K2596-01	INFLUENT	Aqueous	08-Dec-11 14:30	09-Dec-11 09:00
K2596-02	EFFLUENT	Aqueous	08-Dec-11 15:00	09-Dec-11 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 NELAC 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	PH-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



A DIVISION OF SPECTRUM ANALYTICAL, INC. PIONEERING HANDBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling: std
 TAT- Indicate Date Needed: std
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

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

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

Project No.: _____
 Site Name: MFG OM&M
 Location: East Aurora State: NY
 Sampler(s): R. Allen

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

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

List preservative code below:
1 2

Containers:

of VOA Vials
 # of Amber Glass
 # of Clear Glass
 # of Plastic

Analyses:

pH
Hardness
VOC

QA/QC Reporting Level

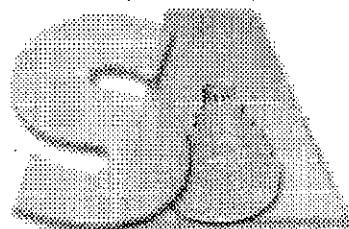
Level I Level II
 Level III Level IV
 Other CAT A

Notes: _____
 State specific reporting standards: _____

Lab Id.	Sample Id.	Date:	Time:	Type	Matrix
<u>K2596</u>					
<u>1</u>	<u>INFLUENT</u>	<u>12/18/2011</u>	<u>2:30 P</u>	<u>G</u>	<u>GW</u>
<u>1</u>	<u>INFLUENT</u>		<u>2:30 P</u>	<u>G</u>	<u>GW</u>
<u>1</u>	<u>INFLUENT</u>		<u>2:30 P</u>	<u>G</u>	<u>GW 2</u>
<u>2</u>	<u>EFFLUENT</u>		<u>3:00 P</u>	<u>G</u>	<u>GW</u>
<u>2</u>	<u>EFFLUENT</u>		<u>3:00 P</u>	<u>G</u>	<u>GW</u>
<u>3</u>	<u>EFFLUENT</u>		<u>3:00 P</u>	<u>G</u>	<u>GW 2</u>

E-mail to msteffan@ene.com
 EDD Format PDF
 Condition upon receipt: Iced Ambient 4°C

Reinquired by: Richard C Allen Jr
FEEKA
39mcid msh
 Date: 12-9-11 Time: 9:00



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

*** Volatiles ***

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

CLIENT SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab. Code: MITKEM Case No.: K2596 Mod. Ref No.: _____ SDG No.: SK2596
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2596-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8755.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2011
 % Moisture: not dec. Date Analyzed: 12/19/2011
 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		17	
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		100	
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		140	
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		2100	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.: K2596 Mod. Ref No.: _____ SDG No.: SK2596
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2596-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8755.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2011
 % Moisture: not dec. Date Analyzed: 12/19/2011
 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	
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.: K2596 Mod. Ref No.: _____ SDG No.: SK2596
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2596-01ADL
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8792.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2011
 % Moisture: not dec. Date Analyzed: 12/20/2011
 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		17	DJ
75-34-3	1,1-Dichloroethane		20	U
78-93-3	2-Butanone		100	U
156-59-2	cis-1,2-Dichloroethene		100	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		130	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		1900	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	Chlorobenzene		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.: K2596 Mod. Ref No.: _____ SDG No.: SK2596
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2596-01ADL
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8792.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2011
 % Moisture: not dec. Date Analyzed: 12/20/2011
 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.: K2596 Mod. Ref No.: _____ SDG No.: SK2596
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2596-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8789.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2011
 % Moisture: not dec. Date Analyzed: 12/20/2011
 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		2.9	
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
156-59-2	cis-1,2-Dichloroethene		4.1	
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		4.0	
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
127-18-4	Tetrachloroethene		46	
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

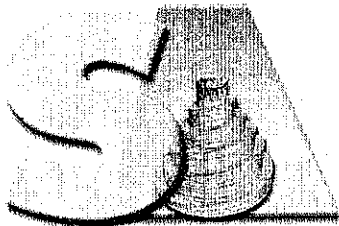
1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: K2596 Mod. Ref No.: _____ SDG No.: SK2596
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K2596-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A8789.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2011
 % Moisture: not dec. Date Analyzed: 12/20/2011
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

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



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

** Wet Chemistry **

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

12/16/2011

Client: Ecology and Environment Engineering P.C.

Client Sample ID: INFLUENT

Lab ID: K2596-01

Project: Mr. C's Dry Cleaning

Collection Date: 12/08/11 14:30

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation						SM2340_W
Hardness, Ca/Mg (As CaCO3)	530		4.0 mg/L CaCO3		112/15/2011 8:39	63704
SM 4500 H+ B -- pH VALUE						SM4500_H+
pH	6.9		1.0 S.U.		112/09/2011 10:51	R63943

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

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

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

12/16/2011

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: K2596-02

Project: Mr. C's Dry Cleaning
Collection Date: 12/08/11 15:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	540		4.0	mg/L CaCO3		112/15/2011 8:43	63704
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.9		1.0	S.U.		112/09/2011 10:54	R63943

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

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

Attachment C
Analytical Report from
Mitkem Laboratories

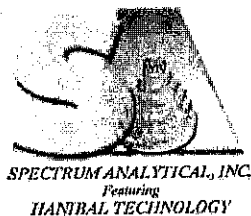
Analytical Data Package Work Order ID: L0018

Sampled: January 4, 2012

Received: January 9, 2012

Report Date:
10-Jan-12 11:42

- Final Report
 Re-Issued Report
 Revised Report



Laboratory Report

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

Work Order: L0018
Project: Mr. C's Dry Cleaning
Project #: 002700.DC13.02.01.01

Attn: Michael Steffan

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
L0018-01	INFLUENT	Aqueous	04-Jan-12 13:30	05-Jan-12 09:00
L0018-02	EFFLUENT	Aqueous	04-Jan-12 13:30	05-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 samples(s) as received. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

All applicable NELAC or USEPA CLP requirements have been met.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and 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.

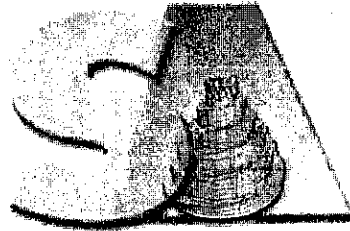
Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033



Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

*** Volatiles ***

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

CLIENT SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L0018 Mod. Ref No.: _____ SDG No.: SL0018
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0018-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4882.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/05/2012
 % Moisture: not dec. Date Analyzed: 01/05/2012
 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		120	
67-66-3	Chloroform		6.6	J
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		160	
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		1500	
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.: L0018 Mod. Ref No.: _____ SDG No.: SL0018
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0018-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4882.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/05/2012
 % Moisture: not dec. Date Analyzed: 01/05/2012
 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	
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.: L0018 Mod. Ref No.: _____ SDG No.: SL0018
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0018-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4883.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/05/2012
 % Moisture: not dec. Date Analyzed: 01/05/2012
 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		1.4	
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

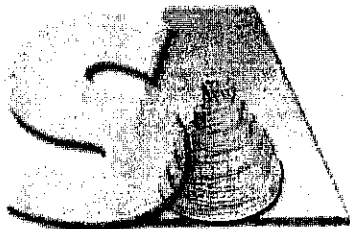
1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L0018 Mod. Ref No.: _____ SDG No.: SL0018
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0018-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I4883.D
 Level: (TRACE/LOW/MED) LOW Date Received: 01/05/2012
 % Moisture: not dec. Date Analyzed: 01/05/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

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



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

*** Wet Chemistry ***

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

01/10/2012

Client: Ecology and Environment Engineering P.C.

Client Sample ID: INFLUENT

Lab ID: L0018-01

Project: Mr. C's Dry Cleaning

Collection Date: 01/04/12 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO ₃)	470		4.0	mg/L CaCO ₃		101/09/2012 8:21	64074
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.0		1.0	S.U.		101/05/2012 13:45	R64547

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

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

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

01/10/2012

Client: Ecology and Environment Engineering P.C.

Client Sample ID: EFFLUENT

Lab ID: L0018-02

Project: Mr. C's Dry Cleaning

Collection Date: 01/04/12 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	490			4.0 mg/L CaCO3		101/09/2012 8:25	64074
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	8.1			1.0 S.U.		101/05/2012 13:50	R64547

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

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

Attachment D
Summary of Site Utility Costs and Projections
January to December 2011

