



# ecology and environment engineering, p.c.

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March 9, 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  
February 2012 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the February 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 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 February 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 2/2, 2/14, 2/21, 2/27, and 3/5/12.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100.00% operational up-time (Table 1) and the treatment of contaminated groundwater totaling of 422,955 gallons (Table 2) for February 2012.
- Initial sampling occurred on February 6, 2012 with the analytical results received on February 21, 2012. The results of the sampling indicated non-compliance issues with the effluent discharge requirements for Tetrachloroethene (PCE) at 13.0 ug/L. Corrective actions as required were implemented on 2/6-2/28 with the IEG including review of blowers for airflow, power washing the stripper trays, and review of the system differential pressures (see 2/27/12 weekly IEG report). Excerpts from the initial analytical data package are presented in Attachments B.

**Mr. William Welling, Project Manager**

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- After completion of the corrective action items for the treatment system another sample was submitted to MLI in February 28, 2012. The results of the sampling indicated compliance with all parameters in the SPDES Equivalency Permit for the site treatment operations. Excerpts from the 2<sup>nd</sup> analytical data package from MLI are presented in Attachments C.
- The analytical results revealed the influent concentration to be 809.7 µg/L or 2829 ppb, and 3.77 µg/L or 3.77 ppb of treated effluent. PCE concentrations were 3.1 µg/L or 3.1 ppb which is under the 10 µg/L or 10 ppb limit. The summary of influent and effluent contaminant concentrations for the February 6 and February 28, 2012 sampling events are presented in Table 4.
- The cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 2/2/12 to #/5/12 was 99.53%. The air stripper unit on the Mr. C's property is currently in compliance and MLI continues to provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. The summary of Effluent Discharge Criteria & Analytical Compliance Results for February 2012 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 3.03 lbs. of targeted contaminants from the groundwater below the site in the month of February 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 1<sup>st</sup> Presbyterian Church was performed on December 11, 2011.
- Reports of analytical results and system operations to be issued in March 2012.
- Fan bearing noisy on the SSDS fan on the westside of the classroom building. SSDS fan was replaced on February 2, 2012.

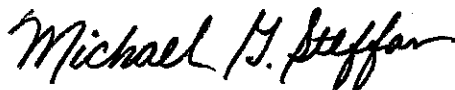
#### **Mr. C's and Agway Energy Usage Information**

- A copy of the site utility costs from the Mr. C's and Agway remedial operations for January 2012 are provided as Attachment D.

**Mr. William Welling, Project Manager**  
**March 9, 2012**  
**Page 3 of 3**

If you have questions regarding the February 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
<b>(Up-time from inception to 1/4/12)</b>	<b>79,183.50</b>	<b>96.27%</b>
January 4, 2012 - February 2, 2012	696	100.00%
February 2, 2012 - March 5, 2012	768	100.00%
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<b>Total Hours from System Startup '2/02'</b>	<b>80,647.50</b>	
<b>Average Operational Up-time from startup =</b>		<b>96.34%</b>
<b>Average Operational Up-time for 2012 =</b>		<b>100.00%</b>

**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**

<b>Month</b>	<b>Actual Period</b>	<b>Gallons (Treated Effluent)</b>
<b>Total - Inception to December 2011</b>	<b>9/5/02 - 12/4/12</b>	<b>118,436,077</b>
January 2012 <sup>3</sup>	1/5/12 - 2/2/12	451,020
February 2012 <sup>3</sup>	2/2/12 - 3/5/12	422,955
<b>Total Gallons Treated in 2012</b>		<b>873,975</b>
<b>Total Gallons Treated To Date:</b>		<b>119,310,052</b>

**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	February 6, 2012 - Effluent Analytical Values - Compliance	February 28, 2012 - Effluent Analytical Values - Compliance
Flow	N/A	gpd	13,217	13,217
pH	6.0 - 9.0	standard units	7.9	7.9
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	0.63 J	ND(<1.0)
Trichloroethene	10	µg/L	0.78 J	ND(<1.0)
Tetrachloroethene	10	µg/L	13	2.9
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	0.51 J	ND(<1.0)
o-Xylene <sup>2</sup>	5	µg/L	NA	NA
m, p-Xylenes <sup>2</sup>	10	µg/L	NA	NA
Total Xylenes	NA	µg/L	ND(<1.0)	ND(<1.0)
Iron, total	600	µg/L		NA <sup>3</sup>
Aluminum	4000	µg/L		NA <sup>3</sup>
Copper	48	µg/L		NA <sup>3</sup>
Lead	10	µg/L		NA <sup>3</sup>
Manganese	2000	µg/L		NA <sup>3</sup>
Silver	100	µg/L		NA <sup>3</sup>
Vanadium	28	µg/L		NA <sup>3</sup>
Zinc	230	µg/L		NA <sup>3</sup>
Total Dissolved Solids <sup>4</sup>	350	mg/L		NA <sup>3</sup>
Total Suspended Solids	20	mg/L		NA <sup>3</sup>
Hardness	N/A	mg/L		490
Calcium Free	10	µg/L		NA <sup>3</sup>

**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 February 2, 2012 through March 5, 2012. Total gallons: 422,955 divided by 32 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**  
**February 2012 VOC Analytical Summary**

Compound	Based on the 2/28/12 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	30.0	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)	5.7	0.67	100.00%
Tetrachloroethene	730.0	3.1	99.58%
Toluene	ND (<10.0)	ND (<1.0)	NA
Trichloroethene	44.0	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
<b>February 2012 TOTALs (in ug/L) =</b>	<b>809.7</b>	<b>3.77</b>	<b>99.53%</b>

- 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

**Attachment A**  
**IEG Weekly Inspection Reports**  
**February 2012**

**Including:**

2/2/12

2/14/12

2/21/12

2/27/12

3/5/12



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

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	RIGHT:	Top	Bottom
		<u>24</u>	<u>0</u> psi		<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. H<sub>2</sub>O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.018 in. H<sub>2</sub>O DISCHARGE PRESSURE: 4.6 in. H<sub>2</sub>O

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. H<sub>2</sub>O

AIR PRESSURE: \_\_\_\_\_ psi

SP-1: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-5 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-2: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-6 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-3: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-7 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-4: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-8 \_\_\_\_\_ scfm \_\_\_\_\_ psi

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

Remarks: System is OFF until further instructions.

Other Actions:

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

DATE: 14-Feb-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: \_\_\_\_\_

WEATHER CONDITIONS: Cloudy, snow, cold OUTSIDE TEMPERATURE (°F): 32

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

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

NOTES: \_\_\_\_\_

INFLUENT FLOW RATE: 49 gpm INFLUENT TOTALIZER READING: 832,521.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 11 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 18.5 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>32 - 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. H<sub>2</sub>O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.015 in. H<sub>2</sub>O DISCHARGE PRESSURE: 4.5 in. H<sub>2</sub>O

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

EFFLUENT FLOW RATE: 91 gpm EFFLUENT TOTALIZER READING: 66,782,573 199800 gallons

ARE BUILDING HEATERS IN USE? YES:  NO: \_\_\_\_\_ INSIDE TEMPERATURE (°F): 54

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

14-Feb-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. PZ-1B has missing top cover and is temporarily sealed.

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

Remarks: \_\_\_\_\_

Other Actions: Pour decanted well sampling water into sump box.

Changed bag filters.

### AGWAY

SYSTEM VACUUM: \_\_\_\_\_ in. H<sub>2</sub>O

AIR PRESSURE: \_\_\_\_\_ psi

SP-1: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-5 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-2: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-6 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-3: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-7 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-4: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-8 \_\_\_\_\_ scfm \_\_\_\_\_ psi

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

Remarks: System is OFF until further instructions.

Other Actions: \_\_\_\_\_

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

DATE: 21-Feb-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: \_\_\_\_\_

WEATHER CONDITIONS: Cloudy, cold OUTSIDE TEMPERATURE (° F): 32

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 2/17/12 Air Stripper Low Level

NOTES: \_\_\_\_\_

INFLUENT FLOW RATE: 38 gpm INFLUENT TOTALIZER READING: 1,014,105.0 gallons

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

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 3.5 psi

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	psi	RIGHT:	Top	Bottom	psi
		<u>0</u>	<u>0</u>			<u>8 - 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: 12.0 in. H<sub>2</sub>O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.013 in. H<sub>2</sub>O DISCHARGE PRESSURE: 4.5 in. H<sub>2</sub>O

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

EFFLUENT FLOW RATE: 93 gpm EFFLUENT TOTALIZER READING: 66,894,842 315190 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: 7.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES:  NO: \_\_\_\_\_

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

21-Feb-12

SAMPLES COLLECTED? YES: \_\_\_\_\_ NO:

Sample ID Time of Sampling pH Turbidity Temp. Sp. Cond.

AIR STRIPPER INFLUENT: \_\_\_\_\_

AIR STRIPPER EFFLUENT: \_\_\_\_\_

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? YES: \_\_\_\_\_ NO:

WERE MANHOLES INSPECTED? YES:  NO: \_\_\_\_\_

WERE ELECTRICAL BOXES INSPECTED? YES:  NO: \_\_\_\_\_

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: \_\_\_\_\_ NO:

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

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

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

Remarks: \_\_\_\_\_

Other Actions: Emptied old Redux drum into present drum.

AGWAY

SYSTEM VACUUM: \_\_\_\_\_ in. H<sub>2</sub>O

AIR PRESSURE: \_\_\_\_\_ psi

SP-1: \_\_\_\_\_ scfm \_\_\_\_\_ psi SP-5 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-2: \_\_\_\_\_ scfm \_\_\_\_\_ psi SP-6 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-3: \_\_\_\_\_ scfm \_\_\_\_\_ psi SP-7 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-4: \_\_\_\_\_ scfm \_\_\_\_\_ psi SP-8 \_\_\_\_\_ scfm \_\_\_\_\_ psi

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

Remarks: System is OFF until further instructions.

Other Actions: \_\_\_\_\_

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

DATE: 27-Feb-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: SJB Services Inc

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (° F): 40

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>8</u> ft	PW-5	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/>	<u>6</u> ft
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/>	<u>11</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/>	<u>4</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 2/17/12 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 20 gpm INFLUENT TOTALIZER READING: 1,163,544.0 gallons

SEQUESTERING AGENT DRUM LEVEL: full inches (x 1.7=) AMOUNT OF AGENT REMAINING: 55 gallons

SEQUESTERING AGENT FEED RATE: 4.0 ml/min METERING PUMP PRESSURE: 3.5 psi

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	RIGHT:	Top	Bottom
		<u>10</u>	<u>0</u> psi		<u>47 - 8</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. H<sub>2</sub>O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.014 in. H<sub>2</sub>O DISCHARGE PRESSURE: 4.5 in. H<sub>2</sub>O

EFFLUENT PUMP IN USE: #1  #2  EFFLUENT FEED PUMP PRESSURE: 3.5 psi

EFFLUENT FLOW RATE: 92 gpm EFFLUENT TOTALIZER READING: 66,987,004 409860 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

27-Feb-12

SAMPLES COLLECTED? YES:  NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	1:30 PM	7.45	14.50	10.5	3039
AIR STRIPPER EFFLUENT:	EFF	1:30 PM	8.53	20.30	10.6	3044

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

WERE MANHOLES INSPECTED? YES:  NO:

WERE ELECTRICAL BOXES INSPECTED? YES:  NO:

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

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

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

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

Remarks: Old HD basket has broken handle. Replaced with repaired HD basket.

Took (2) damaged filter baskets to Buffalo Well Products to be repaired.

Other Actions: Switched Redux pickup to new drum.

Changed bag filters.

Cleaned Air Stripper with low pressure hose. Adjusted influent rate up.

Took delivery of (3) Redux Drums. Have (5) full drums.

### AGWAY

SYSTEM VACUUM: \_\_\_\_\_ in. H<sub>2</sub>O

AIR PRESSURE: \_\_\_\_\_ psi

SP-1: _____ scfm _____ psi	SP-5 _____ scfm _____ psi
SP-2: _____ scfm _____ psi	SP-6 _____ scfm _____ psi
SP-3: _____ scfm _____ psi	SP-7 _____ scfm _____ psi
SP-4: _____ scfm _____ psi	SP-8 _____ scfm _____ psi

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

Remarks: System is OFF until further instructions.

Other Actions:



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

DATE: 5-Mar-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-7 is OFF due to maintenance problem.

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>6</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>3</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>16</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft	PW-8	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft

EQUALIZATION TANK: 5 ft Last Alarm D/T/Condition: 2/17/12 Air Stripper Low Level

NOTES: \_\_\_\_\_

INFLUENT FLOW RATE: 8 gpm INFLUENT TOTALIZER READING: 1,312,181.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 27 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 46 gallons

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

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

INFLUENT FEED PUMP IN USE: #1  #2 \_\_\_\_\_ INFLUENT PUMP PRESSURE: 15 psi

AIR STRIPPER BLOWER IN USE: #1  #2 \_\_\_\_\_ AIR STRIPPER PRESSURE: 11.0 in. H<sub>2</sub>O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.013 in. H<sub>2</sub>O DISCHARGE PRESSURE: 4.7 in. H<sub>2</sub>O

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

EFFLUENT FLOW RATE: 94 gpm EFFLUENT TOTALIZER READING: 67,078,416 503360 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: 7.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES:  NO: \_\_\_\_\_

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

5-Mar-12

SAMPLES COLLECTED? YES:  NO:

Sample ID Time of Sampling pH Turbidity Temp. Sp. Cond.

AIR STRIPPER INFLUENT: \_\_\_\_\_

AIR STRIPPER EFFLUENT: \_\_\_\_\_

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? YES: \_\_\_\_\_ NO:

WERE MANHOLES INSPECTED? YES:  NO: \_\_\_\_\_

WERE ELECTRICAL BOXES INSPECTED? YES:  NO: \_\_\_\_\_

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: \_\_\_\_\_ NO:

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

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

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

Remarks: \_\_\_\_\_

Other Actions: \_\_\_\_\_

AGWAY

SYSTEM VACUUM: \_\_\_\_\_ in. H<sub>2</sub>O

AIR PRESSURE: \_\_\_\_\_ psi

SP-1: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-5 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-2: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-6 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-3: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-7 \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-4: \_\_\_\_\_ scfm \_\_\_\_\_ psi

SP-8 \_\_\_\_\_ scfm \_\_\_\_\_ psi

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

Remarks: System is OFF until further instructions.

Other Actions: \_\_\_\_\_

# Mr. C's CLEANERS OM&M

## SUMMARY OF FIELD ACTIVITIES BY IEG - 2/2012

DATE	ACTIVITY
1-Feb	OM&M and UM end of month office work. PZ-1B look for lost top cover and temporarily seal over.
2-Feb	Piezometer Readings
6-Feb	OM&M Weekly Inspection and Sampling. Changed bag filters.
7-Feb	Get Supplies. PW-6 replace top cover.
8-Feb	UM office work.
9-Feb	Worked with E&E, Inc doing well sampling. Replace SVE fan at Church.
14-Feb	OM&M Weekly Inspection.
17-Feb	Changed bag filters.
21-Feb	OM&M Weekly Inspection.
27-Feb	OM&M Weekly Inspection. Measure equipment. Change bag filters. Get supplies. Clean Air Stripper with low pressure hose.
28-Feb	Measured air and liquid flow into Air Stripper. Adjusted influent rate and EQ Tank settings. UM office work. Sampling.
29-Feb	Take filter baskets for repair.

**Mr. C's CLEANERS OM&M**  
**STATUS OF FIELD ACTIVITIES BY IEG - 2/2012**

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	on hold
AS / SVE System Evaluation	Agway Shed - test & evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	on hold
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Agway Shed Concrete Dump	Approximately 1/4 yard of concrete was washed out on the north side of the Agway Shed. Concrete should be removed.	on hold
Trim Broken Piezometers	Many of the piezometers are broken. Measuring water levels is not precise when a pipe is broken. Identify and trim all broken piezometers.	in progress
Cool Treatment Room	Temperature in Treatment Room is well above 90 degrees during the summer months. Need to increase outside air inflow to the room.	in progress
Replace Air Stripper Exhaust	Present Air Stripper exhaust is very heavy and leaks moisture. Replace with lighter system.	in progress
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	Well pump stays on after water level drops- transducer could be bad. Inspecte and cleaned well pump and transducer. Replaced well pump and transducer.	Jan-12
Repair Blower #2	Determined that bearing is failing in Air Stripper Blower Motor. Replace 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.	Jan-12
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
PZ-1B Repair	Top cover was knocked off and lost by snowplow. Replace inner ring and lower height so MW will not be as susceptible to snowplow damage.	in progress
PW-6 Repair	Top cover is missing. The snowplow is a possible cause but this MW is not elevated above the surrounding asphalt parking lot. Replace top cover.	Feb-12
Adjust Air Stripper	Effluent lab results were below standard. Troubleshoot and adjust Air Stripper to achieve better results.	in progress
Repair (2) Filter Baskets	(1) Filter Basket is splitting open along its seam. (1) Filter Basket has a broken handle. Take both baskets to Buffalo Well Products for repair.	in progress

## Mr. C's CLEANERS OM&M

### SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2012

as of Feb 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		

# Mr. C's CLEANERS OM&M

## SUMMARY OF WATER PUMP STATUS - 2012

as of Feb 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 BELLOWS	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	YES	DONE 10/10	Replaced pipe 8/09	YES	YES	DONE 8/11	YES	NO	DONE	NO	NO
PW-8	NO	DONE 8/11	Replaced pipe 8/09	NO	YES	DONE 8/11	NO	NO	YES	NO	NO

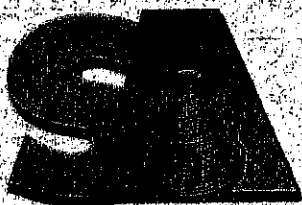
**Attachment B**  
**Analytical Report from**  
**Mitkem Laboratories**

**Analytical Data Package Work Order ID: L0235**

**Sampled: February 6, 2012**

**Received: February 7, 2012**

Report Date:  
21-Feb-12 15:02



- Final Report
- Re-Issued Report
- Revised Report

SPECTRUM ANALYTICAL, INC.  
Featuring  
HANBAL TECHNOLOGY

### Laboratory Report

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

Work Order: L0235  
Project: Mr. C's Dry Cleaning  
Project#: 002700/DC13.02.04-01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L0235-01	INFLUENT	Aqueous	06-Feb-12 10:00	07-Feb-12 09:00
L0235-02	EFFLUENT	Aqueous	06-Feb-12 10:30	07-Feb-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](http://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-RJ907
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

Yi-hai Ding  
Laboratory Director



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

WorkOrder: L0235

Client ID: ENE

Project: Mr. C's Dry Cleaning

WO Name: Mr. C's Dry Cleaning

Location: MR\_C\_COMPLIANCE, 002700.DC13.02.01.01

Comments: 1 ppb ICAL for VOA. Run Influent sample by 10 X dilution, low result in effluent expected. HC due 15th BD, upload EDD and report to www.lab.ene.com, have late penalty, Special invoice paperwork required.

Case: HC Due: 02/24/12

SDG: Fax Due: Fax Report:

PO: 002700.DC13.02.01.01

Report Level: ASP-A

Special Program: EDD: EQUIS\_4\_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Ret'd	Matrix	Test Code	Sampl / Lab Test Comments	HF	HT	MS	SEL	Storage
L0235-01A	INFLUENT	02/06/2012 10:00	02/07/2012	Aqueous	SW8260_W	/ OLM_VOA, 1 ppb ICAL				Y	VOA
L0235-01B	INFLUENT	02/06/2012 10:00	02/07/2012	Aqueous	SM4500_H+	/					E3
L0235-01C	INFLUENT	02/06/2012 10:00	02/07/2012	Aqueous	SM2340_W	/					M1
L0235-02A	EFFLUENT	02/06/2012 10:30	02/07/2012	Aqueous	SW8260_W	/ OLM_VOA, 1 ppb ICAL				Y	VOA
L0235-02B	EFFLUENT	02/06/2012 10:30	02/07/2012	Aqueous	SM4500_H+	/					E3
L0235-02C	EFFLUENT	02/06/2012 10:30	02/07/2012	Aqueous	SM2340_W	/					M1

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold



A DIVISION OF SPECTRUM ANALYTICAL, INC. TRAINING HAZARDOUS TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page 1 of 1

## Special Handling:

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

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

Invoice To: E & E Inc  
 P.O. No.: \_\_\_\_\_ RQN: \_\_\_\_\_

Project No.: \_\_\_\_\_  
 Site Name: Mr. Cs O M & M State: NY  
 Location: East Aurora  
 Sampler(s): R. Allen

1=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid 7=CH<sub>3</sub>OH  
 8=NaHSO<sub>4</sub> 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 preservation code below:

4 2

### Containers:

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

### Analyses:

PH  
VOC

### QA/QC Reporting Level

Level I  Level II  
 Level III  Level IV  
 Other CAT A

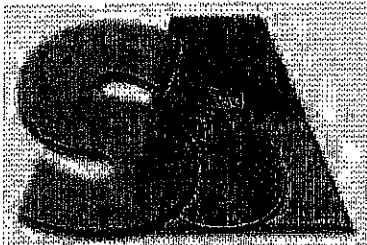
State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix
10235-01	INFLUENT	2/6/12	10:00 A	G	GW
10235-01	INFLUENT		10:00 A	G	GW
10235-01	INFLUENT		10:00 A	G	GW
10235-02	EFFLUENT		10:30 A	G	GW
10235-02	EFFLUENT		10:30 A	G	GW
10235-02	EFFLUENT		10:30 A	G	GW

Notes:	QA/QC Reporting Level
<u>We were shorted (2) HCL vials. Please send extra vials. Please return coolers marked "IEG."</u>	<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input checked="" type="checkbox"/> Other <u>CAT A</u>

E-mail to m.steffan@ene.com  
 EDD Format PDF  
 Condition upon receipt:  Test  Ambient  S

Requisitioned by: Richard C. Allen, Jr.  
 Received by: [Signature]  
 Date: 2/7/12 Time: 9:00



**SPECTRUM ANALYTICAL, INC.**

*Featuring*

**HANIBAL TECHNOLOGY**

**\* Volatiles \***

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

EPA SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: L0235 Mod. Ref No.: \_\_\_\_\_ SDG No.: SL0235  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0235-01A  
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A9585.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 02/07/2012  
 % Moisture: not dec. Date Analyzed: 02/08/2012  
 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		10	U
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		31	
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		51	
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		1200	
591-78-6	2-Hexanone		50	U
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	Xylene (Total)		10	U

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

EPA SAMPLE NO.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: L0235 Mod. Ref No.: \_\_\_\_\_ SDG No.: SL0235  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0235-01A  
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A9585.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 02/07/2012  
 % Moisture: not dec. Date Analyzed: 02/08/2012  
 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

EPA SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: L0235 Mod. Ref No.: \_\_\_\_\_ SDG No.: SL0235  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0235-02A  
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A9565.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 02/07/2012  
 % Moisture: not dec. Date Analyzed: 02/07/2012  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 5.0 (mL)

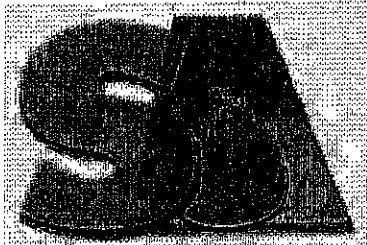
CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	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
1-634-04-4	Methyl tert-butyl ether	0.51	J
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	0.63	J
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	0.78	J
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	13	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (Total)	1.0	U

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

EPA SAMPLE NO.  
EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: L0235 Mod. Ref No.: \_\_\_\_\_ SDG No.: SL0235  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0235-02A  
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A9565.D.  
 Level: (TRACE/LOW/MED) LOW Date Received: 02/07/2012  
 % Moisture: not dec. Date Analyzed: 02/07/2012  
 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**

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**\* Wet Chemistry \***



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

02/14/2012

Client: Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Client Sample ID: INFLUENT

Collection Date: 02/06/12 10:00

Lab ID: L0235-01

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2340B -- HARDNESS by Calculation</b>							<b>SM2340_W</b>
Hardness, Ca/Mg (As CaCO3)	520		4.0	mg/L CaCO3		102/11/2012 9:56	64556
<b>SM 4500 H+ B -- pH VALUE</b>							<b>SM4500_H+</b>
pH	7.0		1.0	S.U.		102/07/2012 10:30	R65176

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**

02/14/2012

**Client:** Ecology and Environment Engineering P.C.  
**Client Sample ID:** EFFLUENT  
**Lab ID:** L0235-02

**Project:** Mr. C's Dry Cleaning  
**Collection Date:** 02/06/12 10:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2340B -- HARDNESS by Calculation</b>							<b>SM2340_W</b>
Hardness, Ca/Mg (As CaCO3)	520		4.0	mg/l, CaCO3		102/11/2012 9:59	64556
<b>SM 4500 H+ B -- pH VALUE</b>							<b>SM4500_H+</b>
pH	7.9		1.0	S.U.		102/07/2012 10:33	R65176

**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: L0391**

**Sampled: February 28, 2012**

**Received: March 8, 2012**

Report Date:  
08-Mar-12 15:01



SPECTRUM ANALYTICAL, INC.  
Featuring  
HAMBAL 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: L0391  
Project: Mr. O's Dry Cleaning  
Project #: 602700 DC13:02.01.01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L0391-01	INFLUENT	Aqueous	28-Feb-12 14:00	29-Feb-12 09:05
L0391-02	EFFLUENT	Aqueous	28-Feb-12 14:00	29-Feb-12 09:05

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 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](http://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	LA100301
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 -- Rhode Island Division

WorkOrder: L0391

Client ID: ENE      Case:      HC Due: 03/09/12      Report Level: ASP-A  
 Project: Mr. C's Dry Cleaning      SDG:      Fax Due:      Special Program:  
 WO Name: Mr. C's Dry Cleaning      PO: 002700.DC13.02.01.01      Fax Report:       EDD: EQUIIS\_4\_NYSDEC  
 Location: MR\_C\_COMPLIANCE, 002700.DC13.02.01.01

Comments: 1 ppb ICAL for VOA. Run Influent sample by 10 X dilution, low result in effluent expected. HC due 15th BD, upload EDD and report to www.lab.ene.com, have late pentaly, Special invoice paperwork required.

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Sampl / Lab Test Comments	HF	HT	MS	SEL	Storage
L0391-01A	INFLUENT	02/28/2012 14:00	02/29/2012	Aqueous	SW8260_W	/ OLM_VOA, 1 ppb ICAL				Y	VOA
L0391-02A	EFFLUENT	02/28/2012 14:00	02/29/2012	Aqueous	SW8260_W	/ OLM_VOA, 1 ppb ICAL				Y	VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold



A DIVISION OF SPECTRUM ANALYTICAL, INC. FEATURING HANDBAL TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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

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

Project No.: \_\_\_\_\_  
 Site Name: Mr G's EM&M  
 Location: East Aurora State: NY  
 Sampler(s): R. Allen

1=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid 7=CH<sub>3</sub>OH  
 8= NaHSO<sub>4</sub> 9= \_\_\_\_\_ 10= \_\_\_\_\_ 11= \_\_\_\_\_

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

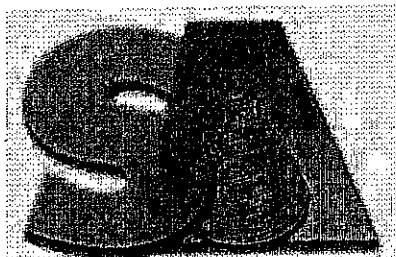
Last preservative code below:  
2  
 Notes: \_\_\_\_\_  
 QA/QC Reporting Level  
 Level I  Level II  
 Level III  Level IV  
 Other CAT A  
 State specific reporting standards: \_\_\_\_\_

Containers:	Analyses:
# of VOA Vials	
# of Amber Glass	
# of Clear Glass	
# of Plastic	

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix
<u>10591-01</u>	<u>INFLUENT</u>	<u>Feb 28, 2012</u>	<u>2:00 pm</u>	<u>G</u>	<u>GW</u>
<u>10591-02</u>	<u>EFFLUENT</u>	<u>Feb 28, 2012</u>	<u>2:00 pm</u>	<u>G</u>	<u>GW</u>

E-mail to msteffan@ene.com  
 EDD Format P D F  
 Condition upon receipt:  Filled  Ambient  C

Requested by: Richard C Allen Jr  
 Received by: [Signature]  
 Date: 2/29/12 Time: 7:05



*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.: L0391 Mod. Ref No.: \_\_\_\_\_ SDG No.: SL0391  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0391-01A  
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I5469.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 02/29/2012  
 % Moisture: not dec. Date Analyzed: 03/05/2012  
 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		5.7	J
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		30	
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		44	
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-pentanone		50	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
127-18-4	Tetrachloroethene		730	
591-78-6	2-Hexanone		50	U
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7T	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.: L0391 Mod. Ref No.: \_\_\_\_\_ SDG No.: SL0391  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0391-01A  
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I5469.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 02/29/2012  
 % Moisture: not dec. Date Analyzed: 03/05/2012  
 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.: L0391 Mod. Ref No.: \_\_\_\_\_ SDG No.: SL0391  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0391-02A  
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I5470.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 02/29/2012  
 % Moisture: not dec. Date Analyzed: 03/05/2012  
 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		0.67	J
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
156-59-2	cis-1,2-Dichloroethene		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		3.1	
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
1330-20-7T	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.: L0391 Mod. Ref No.: \_\_\_\_\_ SDG No.: SL0391  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L0391-02A  
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I5470.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 02/29/2012  
 % Moisture: not dec. Date Analyzed: 03/05/2012  
 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

**Attachment D**  
**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**

**February 2012 Report**

	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:	Budget Remaining:	Electric:	Telephone:	Gas	Total:
January-12	692	692	100.00%	13.8%	Mild January		\$10,071.99			
February-12	766	766	100.00%	11.7%	Mild February		\$540.00			
March-12			#DIV/0!							
April-12			#DIV/0!							
May-12			#DIV/0!							
June-12			#DIV/0!							
July-12			#DIV/0!							
August-12			#DIV/0!							
September-12			#DIV/0!							
October-12			#DIV/0!							
November-12			#DIV/0!							
December-12			#DIV/0!							
Totals to Date	1460	1460	100.00%							\$10,933.81

\* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 9/02. Evaluated on total gallons discharged for monthly operating time. Maximum pump discharges calculated as an average of 78 gpm as the total for all 8 pumps at the site if all pumps operate 100%. With the exception of groundwater pump RW-1, all others run on a batch basis.

**Monthly Average Costs**

Mr. C's Electric	\$	1,244.36								
Agway Electric	\$	239.29								
Mr. C's Gas	\$	199.09								
Mr. C's Telephone	\$	-								
<b>Ave. Utility Cost Total</b>	<b>\$</b>	<b>1,682.74</b>	<b>times</b>	<b>12 Month Estimate</b>	<b>\$21,875.62</b>					

ATTACHMENT D