



ecology and environment engineering, p.c.

International Specialists in the Environment

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July 10, 2012

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

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

Dear Mr. Welling:

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

In review of the on-site treatment system operations, monitoring and maintenance for June 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 6/6/12, 6/11/12, 6/18/12, 6/25/12, and 7/2/12. 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 236,975 gallons (Table 2) for June 2012.
- Initial sampling occurred on June 7, 2012 with the analytical results received on June 27, 2012. The results of the sampling indicated no compliance issues with the effluent discharge requirements for Tetrachloroethene (PCE) or any other contaminants on the SPDES Equivalency Permit. The PCE effluent results for June 2012 were 1.8 ug/L.

Mr. William Welling, Project Manager

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- The analytical results revealed the influent concentration to be 690.1 µg/L or 690.1 ppb, and 1.8 µg/L or 1.8 ppb of treated effluent. PCE effluent concentrations were 1.8 µg/L or 1.8 ppb which is under the 10 µg/L or 10 ppb limit. The summary of influent and effluent contaminant concentrations for the June 7, 2012 sampling events is presented in Table 4.
- The cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 6/6/12 to 7/2/12 was 99.74%. 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 June 2012 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 1.36 lbs. of targeted contaminants from the groundwater below the site in the month of June 2012. The calculations and data for the month are presented in Table 5.

Mr. C's Site – Updated Property Information

- In December 2011, operations ceased with the Mr. C's Dry Cleaners business. Dry cleaning equipment and ancillary equipment were removed from the premises from January to April 2012. In May, activity was noticed with cosmetic changes inside and outside of the building. In late May, the exterior siding of the building was removed and west side of the building was repainted and refurbished (A photo-documentation report will be sent under separate cover).
- During the week of June 4, the parking lot west of the treatment building was repaved. IEG was on-site to observe the paving program and photo documented the repaving.
- Contact information regarding the property owner and party leasing the Mr. C's building was provided to the NYSDEC. The information provided is as follows: Property owner – DeTora LLC – Point of Contact - Mr. Paul Bendrowski – 231-313-1954 (Traverse City, MI). Property Lease – Intrepid Automotive Partners – Dave Kern – 716-481-5703 (East Aurora, NY).

Agway Site Remedial Information

- The Agway facility treatment unit was turned off in December 2011.
- The facility was turned off as a results of future bioaugmentation work in that area and as directed by the NYSDEC Project manager.
- Contact was received from a local architect (Liz Megan 901-3029) regarding the redevelopment of the former Agway for a single story building without a basement. Contact report information was passed onto NYSDEC PM and the architectural firm to discuss the issues related to the property.

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

- No current operational issues.

Mr. William Welling, Project Manager

July 10, 2012

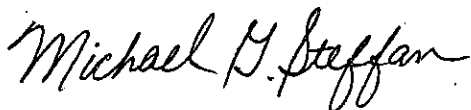
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Mr. C's and Agway Energy Usage Information

- A copy of the site utility costs from the Mr. C's and Agway remedial operations for January through June 2012 are provided as Attachment C.
- The Agway system power was turned off in December 2011.

If you have questions regarding the June 2012 OM&M report summary, please do not hesitate to contact me at 716-684-8060.

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



Michael G. Steffan
Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments
D. Iyer, IEG - w/attachments
CTF- 002700.DC13.02.01.01

Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time
(Up-time from inception to 1/4/12)	79,183.50	96.27%
January 4, 2012 - February 2, 2012	696	100.00%
February 2, 2012 - March 5, 2012	768	100.00%
March 5, 2012 - April 4, 2012	720	100.00%
April 4, 2012 - April 30, 2012	624	100.00%
April 30, 2012 - June 6, 2012	888	100.00%
June 6, 2012 - July 2, 2012	624	100.00%
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Total Hours from System Startup '2/02'	83,503.50	
Average Operational Up-time from startup =		96.46%
Average Operational Up-time for 2012 =		100.00%

NOTES:

1. Up-time based as percentage of total reporting hours.
2. Treatment system operated by the Tyree Organization Ltd. from 9/02 - 9/03.
3. Treatment system operated by O&M Enterprises Inc. from 10/03 - 7/07.
4. Treatment system operated by Iyer Environmental Group from 7/07 to present.

Table 2
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly Process Water Volumes

Month	Actual Period	Gallons (Treated Effluent)
Total - Inception to December 2011	9/5/02 - 12/4/12	118,436,077
January 2012 ³	1/5/12 - 2/2/12	451,020
February 2012 ³	2/2/12 - 3/5/12	422,955
March 2012 ³	3/5/12 - 4/4/12	357,397
April 2012 ³	4/4/12 - 4/30/12	208,864
May 2012	4/30/12 - 6/6/12	348,980
June 2012	6/6/12 - 7/2/12	236,975
Total Gallons Treated in 2012		2,026,191
Total Gallons Treated To Date:		120,462,268

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	June 7, 2012 - Effluent Analytical Values Compliance
Flow	N/A	gpd	9,114
pH	6.0 - 9.0	standard units	7.9
1,1 Dichloroethene	10	µg/L	1.0 U
1,1 Dichloroethane	10	µg/L	1.0 U
cis-1,2-dichloroethene	10	µg/L	1.0 U
Trichloroethene	10	µg/L	1.0 U
Tetrachloroethene	10	µg/L	1.8
Vinyl Chloride	10	µg/L	1.0 U
Benzene	5	µg/L	1.0 U
Ethylbenzene	5	µg/L	1.0 U
Methylene Chloride	10	µg/L	1.0 U
1,1,1 Trichloroethane	10	µg/L	1.0 U
Toluene	5	µg/L	1.0 U
Methyl-t-Butyl Ether (MTBE)	NA	µg/L	1.0 U
o-Xylene ²	5	µg/L	NA
m, p-Xylene ²	10	µg/L	NA
Total Xylenes	NA	µg/L	1.0 U
Iron Total	600	µg/L	NA ³
Aluminum	4000	µg/L	NA ³
Copper	48	µg/L	NA ³
Lead	11	µg/L	NA ³
Manganese	2000	µg/L	NA ³
Silver	100	µg/L	NA ³
Vanadium	28	µg/L	NA ³
Zinc	250	µg/L	NA ³
Total Dissolved Solids	850	mg/L	NA ³
Total Suspended Solids	20	mg/L	NA ³
Hardness	N/A	mg/L	460
Cyanide Free	10	µg/L	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 June 6, 2012 through July 2, 2012. Total gallons: 236,975 divided by 26 operating days.
- "J" indicates an estimated value below the detection limit.
- "E" 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
June 2012 VOC Analytical Summary

Compound	Based on the 6/7/12 Effluent Sampling Results		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency** (%)
Acetone	ND (<40)	ND (<5.0)	NA
Benzene	ND (<8)	ND (<1.0)	NA
2-Butanone	ND (<40)	ND (<5.0)	NA
cis-1, 2-Dichloroethene	6.1	ND (<1.0)	100.00%
Chloroform	ND (<8)	ND (<1.0)	NA
Methylene chloride	ND (<8)	ND (<1.0)	NA
Methyl tert-butyl ether (MTBE)	4.3	ND (<1.0)	100.00%
Tetrachloroethene	650.0	1.8	99.72%
Toluene	ND (<8)	ND (<1.0)	NA
Trichloroethene	29.0	ND (<1.0)	100.00%
Carbon Disulfide	ND (<8)	ND (<1.0)	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<8)	ND (<1.0)	NA
Cyclohexane	ND (<8)	ND (<1.0)	NA
trans-1,2-dichloroethene	0.71	ND (<1.0)	100.00%
Chlorobenzene	ND (<8)	ND (<1.0)	NA
Methylcyclohexane	ND (<8)	ND (<1.0)	NA
Methyl acetate	ND (<8)	ND (<1.0)	NA
Total Xylenes	ND (<8)	ND (<1.0)	NA
June 2012 TOTALS (in ug/L) =	690.1	1.80	99.74%

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

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

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

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
Total pounds of VOCs removed from inception to December 2011 =				1525.66
January 2012	1/4/12 - 2/2/12	2829.0	2.90	10.77
February 2012	2/2/12 - 3/5/12	809.7	3.77	3.03
March 2012	3/5/12 - 4/4/12	653.0	3.30	1.94
April 2012	4/4/12 - 4/30/12	602.0	2.10	1.05
May 2012	4/30/12 - 6/6/12	431.5	1.52	1.25
June 2012	6/6/12 - 7/2/12	690.1	1.80	1.36
July 2012				
August 2012				
September 2012				
October 2012				
November 2012				
December 2012				
Total pounds of VOCs removed from inception =				1,545.06
Total pounds of VOCs removed in 2012 =				19.40

HISTORICAL NOTES:

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

CONVERSIONS:

1 pound = 453.5924 grams
 1 gallon = 3.785 liters

Based on the Analytical Results from Each Month:

Pounds of VOCs removed calculated by the following formula:

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

Attachment A
IEG Weekly Inspection Reports
June 2012

Including:

6/6/12

6/11/12

6/18/12

6/25/12

7/2/12

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

DATE: 6-Jun-12 ACTIVITIES: Site Inspection
 INSPECTION PERSONNEL: R. Allen, D. Iyer OTHER PERSONNEL: Carroll Plumbing
 WEATHER CONDITIONS: Partly cloudy, warm OUTSIDE TEMPERATURE (° F): 72

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-6, PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>8</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-2	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>5</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>14</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>13</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>18</u> ft

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

NOTES: _____

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

SEQUESTERING AGENT DRUM LEVEL: 29 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 49 gallons
 SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 3.0 psi

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	RIGHT:	Top	Bottom
		<u>0</u>	<u>0</u> psi		<u>12 - 6</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: 8.0 in. H₂O
 AIR STRIPPER DIFFERENTIAL PRESSURE: 0.015 in. H₂O DISCHARGE PRESSURE: 4.5 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 3.0 psi
 EFFLUENT FLOW RATE: 115 gpm EFFLUENT TOTALIZER READING: 67,993,657 435730 gallons

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

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

WATER LEVEL IN SUMP: 6.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

6-Jun-12

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	9:30 AM	7.48	6.16	16.7	2739
AIR STRIPPER EFFLUENT:	EFF	9:30 AM	8.56	6.31	16.8	2827

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: Photo documented remodeled exterior of Mr Cs building.

Met with property manager concerning the repaving of the Mr Cs parking lot. Photo documented repaving activity.

Other Actions: Changed bag filters.

Start system with Blower #2 - starter motor trips. Restart system with Blower #1.

Troubleshoot Blower #2 - increased amperage control setting. Run system with Blower #2 and retake Air Stripper readings. (June 8)

AGWAY

SYSTEM VACUUM: _____ in. H₂O

AIR PRESSURE: _____ psi

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

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

Remarks: System is OFF until further instructions.

Other Actions:

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

DATE: 11-Jun-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Sunny, hot OUTSIDE TEMPERATURE (°F): 84

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-6, PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>14</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>3</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>13</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>8</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>18</u> ft

EQUALIZATION TANK: 5 ft Last Alarm D/T/Condition: 6/8/12 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 14 gpm INFLUENT TOTALIZER READING: 2,896,977.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 28 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 47.5 gallons

SEQUESTERING AGENT FEED RATE: 4.0 ml/min METERING PUMP PRESSURE: 2.0 psi

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

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

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 9.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.018 in. H₂O DISCHARGE PRESSURE: 5.5 in. H₂O

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

EFFLUENT FLOW RATE: 114 gpm EFFLUENT TOTALIZER READING: 68,036,283 479250 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: INSIDE TEMPERATURE (°F): 85

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

11-Jun-12

SAMPLES COLLECTED? YES: _____ NO: ✓

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____	_____

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

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

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

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

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

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

Remarks: Increased Jesco Ppump slightly to: Left 2.25; Right 1.25.

Daly Paving finished lot on Jun 13.

Other Actions: Talked to laborers with Daly Paving about PZ-1A which was covered with asphalt. They said Tom will be notified and will return with a metal detector to find the covered MW.

Chiseled away the new asphalt covering the edges of the MWs in the repaved parking lot.

Added clamp to Redux line. Readjusted Jesco pump to: Left 2.1; Right 1.1.

AGWAY

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

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

Remarks: System is OFF until further instructions.

Other Actions:

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

DATE: 18-Jun-12 ACTIVITIES: Site Inspection

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

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

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-6, PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-5	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>4</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>9</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>13</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>8</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>18</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 6/8/12 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 1 gpm INFLUENT TOTALIZER READING: 3,008,046.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 26 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 44 gallons

SEQUESTERING AGENT FEED RATE: 4.0 ml/min METERING PUMP PRESSURE: 2.0 psi

BAG FILTER PRESSURES:	Top	Bottom	RIGHT: <u>10 - 6</u> <u>0</u> psi
	LEFT: <u>0</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: 0.018 in. H₂O DISCHARGE PRESSURE: 5.1 in. H₂O

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

EFFLUENT FLOW RATE: 116 gpm EFFLUENT TOTALIZER READING: 68,103,749 | 548390 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: INSIDE TEMPERATURE (°F): 80

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

18-Jun-12

SAMPLES COLLECTED? YES: _____ NO: ✓

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

AIR STRIPPER INFLUENT: _____

AIR STRIPPER EFFLUENT: _____

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

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

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

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

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

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

Remarks: Called Village about finding PZ-1B for Daly Paving. Highway Dept found PZ-1B. Marked location with orange paint.

Auto Dialer - LO BAT warning is on. Battery - Lithium 3v CR 2430. Battery tested OK. Auto Dialer will not reprogram.

Other Actions: Remove Auto Dialer and ship to RACO for repair.

Inspected and photographed Treatment Room roof.

Inspect Treatment System daily while Auto Dialer is away for repair.

AGWAY

SYSTEM VACUUM: _____ in. H₂O

AIR PRESSURE: _____ psi

SP-1: _____ scfm _____ psi

SP-5 _____ scfm _____ psi

SP-2: _____ scfm _____ psi

SP-6 _____ scfm _____ psi

SP-3: _____ scfm _____ psi

SP-7 _____ scfm _____ psi

SP-4: _____ scfm _____ psi

SP-8 _____ scfm _____ psi

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

Remarks: System is OFF until further instructions.

Other Actions:

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

DATE: 25-Jun-12 ACTIVITIES: Site Inspection
 INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____
 WEATHER CONDITIONS: Partly cloudy, warm OUTSIDE TEMPERATURE (°F): 70

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-6, PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>5</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: <input checked="" type="checkbox"/>	OFF: _____	<u>14</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>12</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>18</u> ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 6/8/12 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 40 gpm INFLUENT TOTALIZER READING: 3,113,226.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 23 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 39 gallons
 SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 2.0 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>0</u>	<u>0</u> psi	RIGHT:	<u>35 - 6</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: 14.0 in. H₂O
 AIR STRIPPER DIFFERENTIAL PRESSURE: 0.018 in. H₂O DISCHARGE PRESSURE: 4.9 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 4.0 psi
 EFFLUENT FLOW RATE: 110 gpm EFFLUENT TOTALIZER READING: 68,167,894 613930 gallons

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

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

WATER LEVEL IN SUMP: 7.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

25-Jun-12

SAMPLES COLLECTED? YES: _____ NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	_____	_____	_____	_____	_____	_____
AIR STRIPPER EFFLUENT:	_____	_____	_____	_____	_____	_____

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

WERE MANHOLES INSPECTED? YES: NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: NO: _____

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

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

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

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

Remarks: Daly Paving removed asphalt from around the edges of PZ-1A.

Other Actions: Swept spruce needles off of Library parking lot by well groups PW-6 and PW-7.

Reinstall repaired Verbatim Auto Alarm. Reprogram Auto Alarm.

Changed bag filters.

AGWAY

SYSTEM VACUUM: _____ in. H₂O

AIR PRESSURE: _____ psi

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

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

Remarks: System is OFF until further instructions.

Other Actions:

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

DATE: 2-Jul-12 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Partly cloudy, warm OUTSIDE TEMPERATURE (°F): 78

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-6, PW-7 and PW-8 are OFF due to maintenance problems. PW-7 and PW-8 do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-5	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>6</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>14</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>12</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>18</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 6/28/12 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 50 gpm INFLUENT TOTALIZER READING: 3,218,445.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 23 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 39 gallons

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

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

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

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

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.018 in. H₂O DISCHARGE PRESSURE: 5.1 in. H₂O

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

EFFLUENT FLOW RATE: 116 gpm EFFLUENT TOTALIZER READING: 68,230,632 678200 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: INSIDE TEMPERATURE (°F): 85

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

2-Jul-12

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	2:00 PM	7.65	6.47	19.9	2250
AIR STRIPPER EFFLUENT:	EFF	2:00 PM	8.73	6.04	21.7	2695

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

WERE MANHOLES INSPECTED? YES: NO:

WERE ELECTRICAL BOXES INSPECTED? YES: NO:

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

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

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

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

Remarks: Redux is not pumping from drum.

Redux Drums - height of liquid: 33"; diameter: 22".

Other Actions: Painted I.D. characters on MWs.

AGWAY

SYSTEM VACUUM: _____ in. H₂O

AIR PRESSURE: _____ psi

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

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

Remarks: System is OFF until further instructions.

Other Actions:

MR. C's DRY CLEANERS SITE
 NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 13-Jun-12

Measurements taken by: R. Allen

RW-1	<u>15.10</u> ft	Comments:
PZ-1A	<u>-----</u> ft	Comments: paved over
PZ-1B	<u>-----</u> ft	Comments: damaged
PZ-1C	<u>12.38</u> ft	Comments:
PZ-1D	<u>12.52</u> ft	Comments:
PW-2	<u>14.00</u> ft	Comments:
PZ-2A	<u>10.98</u> ft	Comments:
PZ-2B	<u>11.32</u> ft	Comments:
PZ-2C	<u>10.80</u> ft	Comments:
MW-7	<u>11.34</u> ft	Comments: Substitute for 2D
PW-3	<u>15.60</u> ft	Comments:
PZ-3A	<u>11.50</u> ft	Comments:
PZ-3B	<u>11.57</u> ft	Comments:
PZ-3C	<u>12.06</u> ft	Comments:
PZ-3D	<u>11.55</u> ft	Comments:
PW-4	<u>-----</u> ft	Comments: damaged ring
PZ-4A	<u>11.64</u> ft	Comments:
PZ-4B	<u>10.86</u> ft	Comments:
PZ-4C	<u>-----</u> ft	Comments: sealed over
PZ-4D	<u>10.47</u> ft	Comments:

PW-5	<u>18.40</u> ft	Comments:
PZ-5A	<u>13.03</u> ft	Comments:
PZ-5B	<u>10.82</u> ft	Comments:
PZ-5C	<u>10.41</u> ft	Comments:
PZ-5D	<u>14.12</u> ft	Comments:
PW-6	<u>23.20</u> ft	Comments:
PZ-6A	<u>11.61</u> ft	Comments:
PZ-6B	<u>11.45</u> ft	Comments:
PZ-6C	<u>11.82</u> ft	Comments:
PZ-6D	<u>11.40</u> ft	Comments: Shown as RW-2 on map
PW-7	<u>11.20</u> ft	Comments:
MPI-6S	<u>11.17</u> ft	Comments:
PZ-7B	<u>11.27</u> ft	Comments:
OW-B	<u>11.26</u> ft	Comments:
PZ-7D	<u>10.93</u> ft	Comments:
PW-8	<u>17.60</u> ft	Comments:
PZ-8A	<u>8.14</u> ft	Comments:
PZ-8B	<u>8.07</u> ft	Comments:
PZ-8C	<u>7.68</u> ft	Comments:
PZ-8D	<u>8.02</u> ft	Comments:

PUMPS IN OPERATION DURING MEASUREMENTS

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

PW-5 pump on?	<u> </u> Yes	<input checked="" type="checkbox"/> No
PW-6 pump on?	<u> </u> Yes	<input checked="" type="checkbox"/> No
PW-7 pump on?	<u> </u> Yes	<input checked="" type="checkbox"/> No
PW-8 pump on?	<u> </u> Yes	<input checked="" type="checkbox"/> No

MR. C's DRY CLEANERS SITE

NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 8-Jul-12

Measurements taken by: R. Allen

RW-1	29.00 ft	Comments:
PZ-1A	11.94 ft	Comments:
PZ-1B	----- ft	Comments: damaged ring
PZ-1C	12.88 ft	Comments:
PZ-1D	13.01 ft	Comments:
PW-2	14.10 ft	Comments:
PZ-2A	11.50 ft	Comments:
PZ-2B	11.90 ft	Comments:
PZ-2C	11.31 ft	Comments:
MW-7	11.87 ft	Comments: Substitute for 2D
PW-3	18.80 ft	Comments:
PZ-3A	12.02 ft	Comments:
PZ-3B	12.08 ft	Comments:
PZ-3C	12.55 ft	Comments:
PZ-3D	12.06 ft	Comments:
PW-4	----- ft	Comments: damaged ring
PZ-4A	12.17 ft	Comments:
PZ-4B	11.31 ft	Comments:
PZ-4C	----- ft	Comments: sealed over
PZ-4D	11.01 ft	Comments:

PW-5	16.60 ft	Comments:
PZ-5A	11.32 ft	Comments:
PZ-5B	11.33 ft	Comments:
PZ-5C	10.95 ft	Comments:
PZ-5D	11.76 ft	Comments:
PW-6	12.10 ft	Comments:
PZ-6A	12.12 ft	Comments:
PZ-6B	11.98 ft	Comments:
PZ-6C	12.22 ft	Comments:
PZ-6D	11.93 ft	Comments: Shown as RW-2 on map
PW-7	11.60 ft	Comments:
MPI-6S	11.79 ft	Comments:
PZ-7B	11.84 ft	Comments:
OW-B	11.75 ft	Comments:
PZ-7D	11.48 ft	Comments:
PW-8	17.40 ft	Comments:
PZ-8A	8.69 ft	Comments:
PZ-8B	8.60 ft	Comments:
PZ-8C	8.27 ft	Comments:
PZ-8D	8.54 ft	Comments:

PUMPS IN OPERATION DURING MEASUREMENTS

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

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

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 6/2012

DATE	ACTIVITY
1-Jun	Blower Motor #2 installation. Get supplies.
6-Jun	OM&M Weekly Inspection and sampling and office work. UM office work. Photo document building remodeling. Photo document parking lot repaving.
7-Jun	Change bag filters. Meet with Intrepid Automotive Enterprises (property management). Meet with Daly Paving about parking lot repaving. Troubleshoot Blower #2 alarm. Restart system on Blower #1. Get supplies.
8-Jun	Troubleshoot Blower #2 alarm problem. Adjust air stripper. Photo document repaving operation. Clean repaving dust in Treatment Room.
11-Jun	OM&M Weekly Inspection and office work. UM office work.
13-Jun	Piezometer Readings. Photo document repaving. Meet with IAE, Inc concerning roof vent work. Meet with Daly Paving about covered MW.
14-Jun	Piezometer Readings. Chiseled out edges of covered MWs. UM office work.
15-Jun	Get supplies. Install clamp on Redux line. Meet with IAE, Inc concerning repaving. OM&M office work.
18-Jun	OM&M Weekly Inspection. UM office work. Get supplies.
19-Jun	Meet Village Highway Dept to find covered MW. Replace battery in Auto Alarm. Troubleshoot Auto Alarm. Remove Auto Alarm and ship out for repair.
20-Jun	Inspect system in absence of Auto Alarm. Inspect discharge vent. UM office work.
24-Jun	Inspect system in absence of Auto Alarm.
25-Jun	OM&M Weekly Inspection. Swept spruce needles from Library parking lot.
28-Jun	Install repaired Auto Alarm. Reprogram Auto Alarm. Change bag filters.
29-Jun	OM&M office work

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 6/2012

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Repair Blower #2	Determined that bearing is failing in Air Stripper Blower Motor. Replace motor with new motor. Determine that replacement motor is defective. Pull new motor for warranty repair. Have blower fan balanced before reinstalling.	Jun-12
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
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	on hold
AS / SVE System Evaluation	Agway Shed - test & evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	on hold
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Agway Shed Concrete Dump	Approximately 1/4 yard of concrete was washed out on the north side of the Agway Shed. Concrete should be removed.	on hold
Trim Broken Piezometers	Many of the piezometers are broken. Measuring water levels is not precise when a pipe is broken. Identify and trim all broken piezometers.	in progress
Cool Treatment Room	Temperature in Treatment Room is well above 90 degrees during the summer months. Need to increase outside air inflow to the room.	in progress
Replace Air Stripper Exhaust	Present Air Stripper exhaust is very heavy and leaks moisture. Replace with lighter system.	in progress
Bank 2 Timer is defective	The Bank 2 Timer inside the Agway Shed stopped working. Dismantle Timer and take for repair or replace defective parts.	on hold
PW-7 pitless adapter	Pitless adapter does not seal well. Repair or replacer pitless adapter	in progress
PW-8 pitless adapter	Pitless adapter feels broken/does not seal well. Repair/replace pitless adapter	in progress
PZ-1B Repair	Top cover was knocked off and lost by snowplow. Replace inner ring and lower height so MW will not be as susceptible to snowplow damage.	in progress
Adjust Air Stripper	Effluent lab results were below standard. Troubleshoot and adjust Air Stripper to achieve better results.	in progress
PW-7 is not pumping down	Inspect and clean pump and transducer. Inspect pitless adapter to gauge condition of horizontal lines.	in progress
PW-6 is not pumping down	Inspect/clean pump & transducer. Inspect pitless adapter to gauge condition of horizontal lines.	in progress
Mr Cs Building Remodel	The Mr Cs building is being remodeled - In May, it included siding and lights around the Treatment Room. Photo document the remodeling.	in progress
Mr Cs Parking Lot Repaving	During early June the paved parking lot is being repaved. Talk to property manager and paving contractors about MWs and UEs. Photo document the remodeling.	Jun-12
Auto Alarm will not program	Remove Verbatim Auto Alarm and send to RACO for repair. Reinstall repaired unit.	Jun-12
Replace Discharge Vent Cap	Air Stripper exhaust creates too much backpressure. The Discharge Vent Cap does not have a large enough exhaust area. Replace existing cap with one that has a larger exhaust vent.	in progress

Mr. C's CLEANERS OM&M.

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2012

as of Jun 12

ID	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PITLESS ADAPTER	HORIZONTAL PIPE	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	May 10, Jan 12	Feb 08, Jan 12	May-10			May 10, Jan 12					
PW - 2	Aug 09, May 10	Jul-08				Nov 11 May 10	Sep 09, Nov 11		Aug-09	Nov-11	Sep-09
PW - 3	Aug 09, May 10	Jul 08, Dec 11		Repair adapter		Aug 09, Nov 11	Nov-11		Aug-09	Nov-11	
PW - 4	Sep 09, May 10, Jan 12	Dec 07, Jan 12				May 10, Nov 11	Nov-11		Jul 09, Sep 09	Sep 09, Nov 11	Sep-09
PW - 5	Jan-12	Jul 08, Jan 12				Mar-11	Jan-12	Sep-09		Jan-12	
PW - 6	Jul-09	Jun 08, Jul 09			Pipe 8/09	Apr 09, Aug 09	Sep-09		Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	May 10, Oct 10, Aug 11, Mar 12	Nov 07, Jul 09, Oct 10			Pipe 8/09	Aug 09, May 10, Oct 10, Aug 11, Mar 12			Aug 09, May 10, Aug 11		
PW - 8	Aug 09, May 10, Aug 11	Jul 08, Sep 09, Aug 11			Pipe 8/09	Aug 09, May 10, Aug 11			Aug 09, May 10, Aug 11		

Mr. C's CLEANERS OM&M

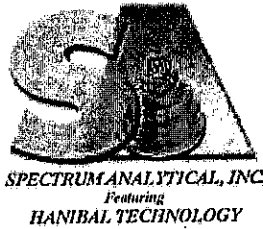
SUMMARY OF WATER PUMP STATUS - 2012

as of Jun 12

ID	NEEDS CLEANING & INSPECTION	NEEDS NEW PUMP	NEEDS NEW INNER RING	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	PITLESS ADAPTER	NEEDS HORIZONTAL LINE PURGE	NEEDS TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	NEEDS U.E. REPAIR
RW-1	DONE 1/12	NO	PZ-1B		YES			NO	NO	NO	NO	YES - bolts
PW-2	NO	NO			YES			NO		NO	NO	YES - bolts
PW-3	NO	NO		REPAIRED 8/09	DONE 8/09			NO		NO	NO	NO
PW-4	DONE 1/12	NO	YES		DONE 9/09			NO		NO	NO	YES - Asphalt patch
PW-5	DONE 1/12	NO			YES			NO	DONE 1/12	DONE 1/12	NO	NO
PW-6	YES	DONE 8/09		Replaced pipe 8/09	DONE 8/09			YES	NO	DONE 9/09	NO	DONE
PW-7	YES	DONE 10/10		Replaced pipe 8/09	YES	YES	YES	NO	NO	DONE	NO	NO
PW-8	YES	DONE 8/11		Replaced pipe 8/09	NO	YES	YES	NO	NO	YES	NO	NO



Report Date:
27-Jun-12 08:56



- Final Report
- Re-Issued Report
- Revised Report

Laboratory Report

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

Work Order: L1260
Project : Mr. C's Dry Cleaning
Project #: 002700.DC13.02.01,01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L1260-01	INFLUENT	Aqueous	07-Jun-12 10:00	08-Jun-12 09:05
L1260-02	EFFLUENT	Aqueous	07-Jun-12 10:00	08-Jun-12 09:05

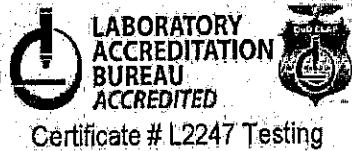
I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

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 DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-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



Authorized by:

Yihai Ding
Laboratory Director

Sample Transmittal Documentation



SPECTRUM ANALYTICAL, INC.
Featuring
HAMBAL 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 30 days unless otherwise instructed.

Report To: E & E, Inc
368 Pleasantview Dr
Langaster, 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
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= _____

List preservative code below:

- A 2

Notes:

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

Containers:

of VOA Vials

of Amber Glass

of Clear Glass

of Plastic

Analyses:

PH
VOC
Hardness

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
<u>G1</u>	<u>INFLUENT</u>	<u>6/7/12</u>	<u>10:00 AM</u>	<u>G</u>	<u>GW</u>
<u>G1</u>	<u>INFLUENT</u>		<u>10:00 AM</u>	<u>G</u>	<u>GW</u>
<u>G1</u>	<u>INFLUENT</u>		<u>10:00 AM</u>	<u>G</u>	<u>GW</u>
<u>G2</u>	<u>EFFLUENT</u>		<u>10:00 AM</u>	<u>G</u>	<u>GW</u>
<u>G2</u>	<u>EFFLUENT</u>		<u>10:00 AM</u>	<u>G</u>	<u>GW</u>
<u>G2</u>	<u>EFFLUENT</u>		<u>10:00 AM</u>	<u>G</u>	<u>GW</u>

G=Grab C=Composite

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

State specific reporting standards:

Please
send another
sample kit

E-mail to m.steffan@ene.com

EDD Format PDF

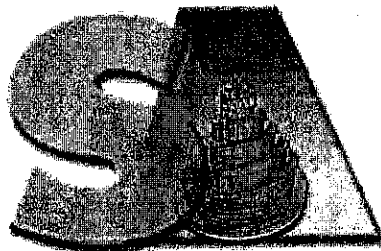
Condition upon receipt: 5°C Ambient 5°C

Relinquished by: Rick Allen Jr

Received by: Von Bjäl

Date: 6/8/12 Time: 7:05

Received By: <i>[Signature]</i>		Page 01 of 00	
Reviewed By: <i>[Signature]</i>		Log-in Date 06/08/2012	
Work Order: L1260		Client Name: Ecology and Environment Engineering P.C.	
Project Name/Event: Mr. C's Dry Cleaning / 002700.DC13.02.01.01			
Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.			
		Preservation (pH)	
		Soil HeadSpace or Air Bubble > or equal to 1/4"	
		VOA Matrix	
		Lab Sample ID	
		HNO3 H2SO4 HCl NaOH H3PO4	
1. Custody Seal(s) <u>Present / Absent</u>		L1260-01 <2	
<u>Intact / Broken</u>		L1260-02 <2	
2. Custody Seal Nos. N/A			
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists <u>Present / Absent</u>			
4. Airbill <u>AirBill / Sticker</u>			
<u>Present / Absent</u>			
5. Airbill No. FedEx 7936 5295 3627			
6. Sample Tags <u>Present / Absent</u>			
Sample Tag Numbers Listed /			
<u>Not Listed on Chain-of-Custody</u>			
7. Sample Condition <u>Intact / Broken / Leaking</u>			
8. Cooler Temperature Indicator Bottle <u>Present / Absent</u>			
9. Cooler Temperature 5 °C			
10. Does information on TR/COCs and sample tags agree? <u>Yes / No</u>			
11. Date Received at Laboratory 06/08/2012			
12. Time Received 09:05			
Sample Transfer			
Fraction (1) TVOA/VOA		Fraction (2) SVOA/PEST/ARO	
Area #		Area #	
By		By	
On		On	
IR Temp Gun ID: MT-1		VOA Matrix Key: US = Unpreserved Soil A = Air UA = Unpreserved Aqueous H = HCl M = MeOH E = Encore N = NaHSO4 F = Freeze	
Coolant Condition: ICE			
Preservative Name/Lot No:			
		See Sample Condition Notification/Corrective Action Form Yes / <u>No</u>	
		Rad OK <u>Yes</u> / No	



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

*** Volatiles ***

REPORT NARRATIVE

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

Client : Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: L1260

SW846 8260C, VOC by GC-MS

I. SAMPLE RECEIPT

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

II. HOLDING TIMES

A. Sample Preparation:

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

B. Sample Analysis:

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

III. METHODS

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

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: V6

Instrument Type: GCMS-VOA

Description: HP6890 / HP5973

Manufacturer: Hewlett-Packard

Model: 6890 / 5973

GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

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

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

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

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

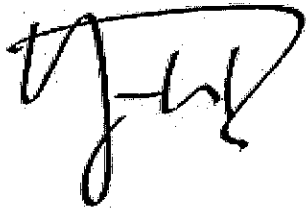
The following samples were analyzed at dilution:

INFLUENT (L1260-01ADL) : Dilution Factor: 8

G. Samples:

No other unusual occurrences were noted during sample analysis.

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

A handwritten signature in black ink, appearing to be 'J. W.' or similar, written over a horizontal line.

Signed: _____

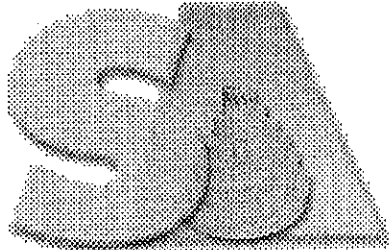
Date: 6/25/2012



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Data Flag/Qualifiers:

- U** Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).
- J** This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
 - estimated concentration for Tentatively Identified Compound
- B** This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.
- D** For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis
- E** This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.
- P** This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.
- A** Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.
- N** Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.
- *** For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Sample ID Suffixes

- DL** Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution
- RE** Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.
- RA** Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.
- RX** Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.
- MS** Matrix Spike.
- MSD** Matrix Spike Duplicate
- DUP** Duplicate analysis
- SD** Serial Dilution
- PS** Post-digestion or Post-distillation spike. For metals or inorganic analyses

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

EPA SAMPLE NO.
INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L1260 Mod. Ref No.: _____ SDG No.: SL1260
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1260-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I7705.D
 Level: (TRACE/LOW/MED) LOW Date Received: 06/08/2012
 % Moisture: not dec. Date Analyzed: 06/13/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		1.0	U
75-09-2	Methylene chloride		1.0	U
156-60-5	trans-1,2-Dichloroethene		0.71	J
1634-04-4	Methyl tert-butyl ether		4.3	
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
156-59-2	cis-1,2-Dichloroethene		7.6	
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		0.85	J
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		33	
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		560	E
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.

INFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L1260 Mod. Ref No.: _____ SDG No.: SL1260
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1260-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I7705.D
 Level: (TRACE/LOW/MED) LOW Date Received: 06/08/2012
 % Moisture: not dec. Date Analyzed: 06/13/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

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

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

EPA SAMPLE NO.

INFLUENTDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L1260 Mod. Ref No.: _____ SDG No.: SL1260
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1260-01ADL
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I7742.D
 Level: (TRACE/LOW/MED) LOW Date Received: 06/08/2012
 % Moisture: not dec. Date Analyzed: 06/14/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0
 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		8.0	U
74-87-3	Chloromethane		8.0	U
75-01-4	Vinyl chloride		8.0	U
74-83-9	Bromomethane		8.0	U
75-00-3	Chloroethane		8.0	U
75-69-4	Trichlorofluoromethane		8.0	U
75-35-4	1,1-Dichloroethene		8.0	U
67-64-1	Acetone		40	U
75-15-0	Carbon disulfide		8.0	U
75-09-2	Methylene chloride		8.0	U
156-60-5	trans-1,2-Dichloroethene		8.0	U
1634-04-4	Methyl tert-butyl ether		8.0	U
75-34-3	1,1-Dichloroethane		8.0	U
78-93-3	2-Butanone		40	U
156-59-2	cis-1,2-Dichloroethene		6.1	DJ
67-66-3	Chloroform		8.0	U
71-55-6	1,1,1-Trichloroethane		8.0	U
56-23-5	Carbon tetrachloride		8.0	U
107-06-2	1,2-Dichloroethane		8.0	U
71-43-2	Benzene		8.0	U
79-01-6	Trichloroethene		29	D
78-87-5	1,2-Dichloropropane		8.0	U
75-27-4	Bromodichloromethane		8.0	U
10061-01-5	cis-1,3-Dichloropropene		8.0	U
108-10-1	4-Methyl-2-pentanone		40	U
108-88-3	Toluene		8.0	U
10061-02-6	trans-1,3-Dichloropropene		8.0	U
79-00-5	1,1,2-Trichloroethane		8.0	U
127-18-4	Tetrachloroethene		650	D
591-78-6	2-Hexanone		40	U
124-48-1	Dibromochloromethane		8.0	U
106-93-4	1,2-Dibromoethane		8.0	U
108-90-7	Chlorobenzene		8.0	U
100-41-4	Ethylbenzene		8.0	U
1330-20-7	Xylene (Total)		8.0	U

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

EPA SAMPLE NO.

INFLUENTDL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L1260 Mod. Ref No.: _____ SDG No.: SL1260
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1260-01ADL
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I7742.D
 Level: (TRACE/LOW/MED) LOW Date Received: 06/08/2012
 % Moisture: not dec. Date Analyzed: 06/14/2012
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0
 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		8.0	U
75-25-2	Bromoform		8.0	U
98-82-8	Isopropylbenzene		8.0	U
79-34-5	1,1,2,2-Tetrachloroethane		8.0	U
541-73-1	1,3-Dichlorobenzene		8.0	U
106-46-7	1,4-Dichlorobenzene		8.0	U
95-50-1	1,2-Dichlorobenzene		8.0	U
96-12-8	1,2-Dibromo-3-chloropropane		8.0	U
120-82-1	1,2,4-Trichlorobenzene		8.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		8.0	U
110-82-7	Cyclohexane		8.0	U
79-20-9	Methyl acetate		8.0	U
108-87-2	Methylcyclohexane		8.0	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.: L1260 Mod. Ref No.: _____ SDG No.: SL1260
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1260-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I7739.D
 Level: (TRACE/LOW/MED) LOW Date Received: 06/08/2012
 % Moisture: not dec. Date Analyzed: 06/14/2012
 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		1.8	
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

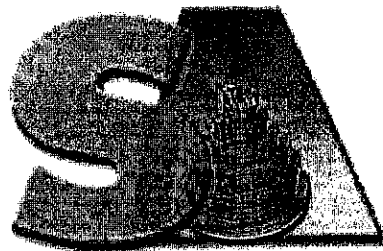
1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: L1260 Mod. Ref No.: _____ SDG No.: SL1260
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: L1260-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I7739.D
 Level: (TRACE/LOW/MED) LOW Date Received: 06/08/2012
 % Moisture: not dec. Date Analyzed: 06/14/2012
 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 ***

REPORT NARRATIVE

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

Client : Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: L1260

SM 2340B, SM 4500 H+ B

I. SAMPLE RECEIPT

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

II. HOLDING TIMES

A. Sample Preparation:

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

B. Sample Analysis:

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

III. METHODS

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

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005

V. INSTRUMENTATION

The following instrumentation was used to perform

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

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

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Matrix spike (MS):

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

D. Post Digestion Spike (PDS):

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

E. Duplicate sample:

Duplicate analysis was performed on sample: EFFLUENT (L1260-02BDUP) for pH.

Percent RPD was within the QC limits.

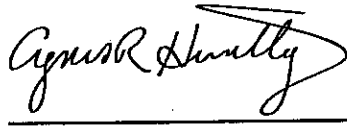
F. Serial Dilution (SD):

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

G. Samples:

No other unusual occurrences were noted during sample analysis.

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

Signed: 

Date: 06/27/12



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Featuring
HANIBAL TECHNOLOGY

Data Flag/Qualifiers:

- U** Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).
- J** This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
 - estimated concentration for Tentatively Identified Compound
- B** This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a “trace” concentration below the reporting limit and equal to or above the detection limit.
- D** For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis
- E** This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.
- P** This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.
- A** Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.
- N** Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.
- *** For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

- DL** Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution
- RE** Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.
- RA** Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.
- RX** Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.
- MS** Matrix Spike.
- MSD** Matrix Spike Duplicate.
- DUP** Duplicate analysis
- SD** Serial Dilution
- PS** Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Client Sample ID: INFLUENT

Collection Date: 06/07/12 10:00

Lab ID: L1260-01

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	460		4.0	mg/L CaCO3		106/14/2012 12:53	66688
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.2		1.0	S.U.		106/08/2012 13:00	R67780

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

Client: Ecology and Environment Engineering P.C.

Client Sample ID: EFFLUENT

Project: Mr. C's Dry Cleaning

Lab ID: L1260-02

Collection Date: 06/07/12 10:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340B -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	460		4.0	mg/L CaCO3		106/14/2012 12:57	66688
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.9		1.0	S.U.		106/08/2012 13:05	R67780

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

Last Page of Data Report

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

Utility Provider	Account #	Description	Jan-2012	Feb-2012	Mar-2012	Apr-2012	May-2012	Jun-2012	Electric:	Telephone:	Gas	Total:
New York State E&G	06-311-11-002616-26	Mr. C's Electric Costs	\$1,297.64	\$1,191.08	\$1,075.21	\$1,076.16	\$963.93	\$1,210.05	\$12,800.00	\$540.00	\$720.00	\$14,060.00
New York State E&G	776-311-11-015900-18	Agway Site - Electric	\$239.29		\$97.33							
National Fuel Gas	6819628-05	Mr. C's Natural Gas Costs	\$205.14	\$193.04	\$155.38	\$258.86	\$70.77	\$30.08				
		Totals	\$1,742.07	\$1,384.12	\$1,327.92	\$1,335.02	\$1,116.71	\$1,240.13				

Utility Provider	Phone #	Location Description	Jan-2012	Feb-2012	Mar-2012	Apr-2012	May-2012	Jun-2012	Electric	Ave./Month
Verizon	716-652-0094	Mr. C's Telephone Costs								\$ 1,135.68
										\$ 69.77
										\$ 152.21
										\$ 1,357.66

Notes: Overbilled natural gas costs - no charges \$ 333.44 in red -adjusted billing

Grand Total - NYSEG/National Fuel Gas Costs To Date	Estimated Reading
\$ 8,145.97	

Grand Total - Verizon Costs to Date	Grand Total All Utilities To Date
\$ -	\$ 8,145.97

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs
NYSDEC Work Assignment #DC13
12 Months of System Operation and Maintenance
June 2012 Report

Month	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments	Budget Remaining:	Electric:	Telephone:	Gas	Total:
January-12	692	692	100.00%	13.8%	Mild January					
February-12	768	768	100.00%	11.7%	Mild February					
March-12	720	720	100.00%	10.6%	Very Mild March					
April-12	624	624	100.00%	7.2%	Warm and Fair April					
May-12	888	888	100.00%	8.4%	Sunny May					
June-12	624	624	100.00%	8.0%	Sunny June					
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	4316	4316	100.00%							\$5,567.30

* 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	\$ 1,135.68	
Agway Electric	\$ 89.77	
Mr. C's Gas	\$ 152.21	
Mr. C's Telephone	\$ -	
Ave. Utility Cost Total	\$ 1,357.66	12 Month Estimate
		\$17,649.60