



ecology and environment engineering, p.c.

International Specialists in the Environment

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November 10, 2014

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 # D007617, Site # 9-15-157
October 2014 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the October 2014 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in the Village of East Aurora, New York. Copies of bi-monthly 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 Spectrum Analytical Inc. (SAI), Warwick, Rhode Island are provided as Attachments B, C, and D. The full analytical reports along with QA/QC information will be retained by EEEPC. The site utility information is provided at Attachment E.

In review of the on-site treatment system operations, monitoring and maintenance for October 2014, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations and Maintenance Information

- After tear down of the Mr. C's Treatment System Air Stripper in early October (October 6-9, 2014) EEEPC/IEG continued adjustments to air flows and system checks were performed to achieve compliance for effluent discharge.
- Cleaning and site management plan (SMP) corrective actions were performed after each compliance sampling event. See additional discussion on sampling and corrective actions performed below.
- Three sets of compliance samples were obtained in October 2014. Compliance samples were obtained on October 14, 22, and 31, 2014. The final compliance samples on October 31, 2014, achieved the requirements with the SPDES Equivalency Permit.
- The monthly checklists for system inspections from IEG are provided as Attachment A for 10/6, 10/13, 10/22, 10/27, and 11/5/14.

- Based on inspection reports prepared by IEG, the remedial treatment system for the period above had a 66.7% operational up-time (Table 1) and the treatment of contaminated groundwater during that period totaling of 239,236 gallons (Table 2) for October 2014.
- The sequestering system was operational during times when the treatment system was processing water.
- Pumping well PW-7 remains off during the reporting period due to “pilot bioremediation injection program.
- Pumping well PW-5 was turned off again to evaluate its contributing effect with the influent/effluent compliance treated effluent discharges.
- The 1st round of monthly compliance samples after the air stripper teardown and cleaning were taken on October 14, 2014 (Attachment B) and preliminary analytical results were received from SAI on October 20, 2014. The results were above the daily maximum effluent discharge criteria requirements in the site specific SPDES Equivalency Permit (Table 3) for cis-1,2,-dichloroethene. Corrective actions and cleaning per the SMP were then performed non October 21 and 22, 2014.
- A 2nd round of monthly compliance samples were taken on October 22, 2014 (Attachment C) and preliminary analytical results were received from SAI on October 29, 2014. The results were again above the daily maximum effluent discharge criteria requirements in the site specific SPDES Equivalency Permit (Table 3) for cis-1, 2,-dichloroethene and Tetrachloroethene. A second corrective action cleaning and system adjustments were performed per the SMP.
- After completion of the 2nd round of corrective action cleaning and adjustments a 3rd round of monthly compliance samples were taken on October 31, 2014 (Attachment D) and the preliminary analytical results were received from SAI on November 5, 2014. The results indicated achievement of the effluent discharge criteria requirements in the site specific SPDES Equivalency Permit (Table 3).
- The analytical summary results of October 31, 2014 revealed the total volatile organic contaminant concentrations of the influent to be 821.8 µg/L or 821.8 ppb. In review of the effluent concentrations were 14.6 µg/L or 14.6 ppb. The summary of influent and effluent contaminant concentrations for the October 2014 sampling is presented in Table 4.
- The Mr. C’s treatment system based on the total monthly flows removed 1.61 lbs. of targeted contaminants from the groundwater below the site in the month of October 2014 and the cleanup effectiveness was 98.22%. The calculations and data for the month are presented in Table 5.

Agway Site Remedial Information

- No further reporting to be performed.

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

- The systems remain operational at the 1st Presbyterian Church. The church has our contact information in case some problem occurs with the SSDS units.
- Property owners at 27 Whaley Ave. have not returned our calls for inspection of the SSDS unit. EEEPC will continue to contact to obtain access for inspection.
- The GES, Inc., a NYSDEC Callout Contractor has been assigned to perform the installation of the SSDS units at the 578-580 and 572-576 Main Street locations. EEEPC met with GES representatives on June 27, to review each of the sites and discuss the schedule of installation with the property owners. Installation of the SSDS units at the two locations was performed August 11-15, 2014. SSDS units for both properties were operational in October 2014.
- Properties sampled under the SVII 2014 have been reviewed by NYSDOH. Based on that review four other properties have been recommended for vapor mitigation. EEEPC has initiated review of these four properties for the design of the SSDS units. Additional review and proofing of the plans and scope of work will be performed in November 2014.
- GES to prepare the final installation report documentation and submit to EEEPC for review by October 31, 2014.
- SSDS Unit in the Mr. C's Treatment Bldg. maintained a subslab pressure of -1.95 inches of water column over the reporting month of October.

Status of Bioremediation Direct Push Injection Work

- Pilot study bioremediation sampling was performed April 7-8, 2014 and the next round of microtraps were deployed in June 2014 and retrieved in July 2014.
- All analytical results have been received with the last 2014 bioremediation performance report being prepared for issuance to NYSDEC in November 2014.

Mr. C's Energy Usage Information

- A copy of the site utility costs from the Mr. C's remedial operations for January through December 2014 is provided as Attachment E.

Soil Vapor Intrusion Investigation Program (Phase 3)

- The Phase 3 SVII work for the 2014-2015 heating season is to be discussed with NYSDEC and NYSDOH.

Site Management Plan

- Issued the final Mr. C's SMP to NYSDEC on December 4, 2013.
- EEEPC to review the SMP for site changes or technical issues for revisions in December 2014.

Mr. William Welling, Project Manager
November 10, 2014
Page 4 of 4

If you have questions regarding the October 2014 OM&M report summary, please do not hesitate to contact me at 716-684-8060.

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

A handwritten signature in cursive script that reads "Michael G. Steffan".

Michael G. Steffan
Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments
D. Iyer, IEG - w/attachments
CTF- 10C3074.0011.03

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 12/31/13)	95,809.50	96.26%
January 9, 2014 - February 4, 2014	616	98.72%
February 4, 2014 - March 3, 2014	648	100.00%
March 3, 2014 - March 24, 2014	504	100.00%
March 24, 2014 - May 5, 2014	764	75.79%
May 5, 2014 - June 3, 2014	696	100.00%
June 3, 2014 - June 30, 2014	648	100.00%
June 30, 2014 - August 4, 2014	840	100.00%
August 4, 2014 - September 4, 2014	408	54.84%
September 4, 2014 - October 6, 2014	720	93.75%
October 6, 2014 to November 5, 2014	480	66.70%
	0	
	0	
Total Hours from System Startup '2/02'	102,133.50	
Average Operational Up-time from startup =		95.92%
Average Operational Up-time for 2014 =		91.17%

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 2013	9/5/02 - 12/31/13	121,703,098
January 2014 ³	1/9/14 - 2/4/14	257,147
February 2014 ³	2/4/14 - 3/3/14	260,198
March 2014 ³	3/3/14 - 3/24/14	205,583
April 2014 ³	3/24/14 - 5/5/14	317,721
May 2014 ³	5/5/14 - 6/3/14	274,096
June 2014	6/3/14 - 6/30/14	223,930
July 2014	6/30/14 - 8/4/14	278,141
August 2014	8/4/14-9/4/14	176,971
September 2014	9/4/14-10/6/14	305,619
October 2014	10/6/14-11/5/14	239,236
November 2014		0
December 2014		0
Total Gallons Treated in 2014		2,538,642
Total Gallons Treated To Date:		124,241,740

NOTES:

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

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

Parameter/Analyte	Daily Maximum ¹	Units	October 14, 2014 - Effluent Analytical	October 22, 2014 - Effluent Analytical	October 31, 2014 - Effluent Analytical
Flow (Average)	N/A	gpd	11,962	11,962	11,962
Ph	6.0 - 9.0	standard units	NS	NS	NS
1,1 Dichloroethene	10	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
1,1 Dichloroethane	10	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	26	37	1.6
Trichloroethene	10	µg/L	2	1.9	ND(<1.0)
Tetrachloroethene	10	µg/L	10	13	1
Vinyl Chloride	10	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
Benzene	5	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
1,1,1 Trichloroethane	10	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	µg/L	0.52 J	ND(<1.0)	ND(<1.0)
o-Xylene ²	5	µg/L	NA	NA	NA
m, p-Xylene ²	10	µg/L	NA	NA	NA
Total Xylenes	NA	µg/L	ND(<1.0)	ND(<1.0)	ND(<1.0)
Iron, total	600	µg/L	NA ⁹	NA ⁹	NA ⁹
Aluminum	4,000	µg/L	NA ⁹	NA ⁹	NA ⁹
Copper	48	µg/L	NA ⁹	NA ⁹	NA ⁹
Lead	11	µg/L	NA ⁹	NA ⁹	NA ⁹
Manganese	2,000	µg/L	NA ⁹	NA ⁹	NA ⁹
Silver	100	µg/L	NA ⁹	NA ⁹	NA ⁹
Vanadium	28	µg/L	NA ⁹	NA ⁹	NA ⁹
Zinc	230	µg/L	NA ⁹	NA ⁹	NA ⁹
Total Dissolved Solids	850	mg/L	NA ⁹	NA ⁹	NA ⁹
Total Suspended Solids	20	mg/L	NA ⁹	NA ⁹	NA ⁹
Hardness	N/A	mg/L	NS	NS	NS
Cyanide, Free	10	µg/L	NA ⁹	NA ⁹	NA ⁹

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: September 4th, 2014 through October 6th, 2014. Total gallons: 305,619.1 divided by 30 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.
- "NS" indicates that the parameter analysis was not sampled.

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
October 2014 VOC Analytical Summary

Compound	Based on the 10/31/14 Effluent Sampling Results				
	Influent Concentration*		Effluent Concentration**		Cleanup Efficiency***
	(ug/L)		(ug/L)		(%)
Acetone	ND (<25)	U	12		NA
Benzene	ND (<5)	U	ND (<1.0)	U	NA
2-Butanone	ND (<25)	U	ND (<5.0)	U	NA
cis-1, 2-Dichloroethene	460		1.6		99.67%
Chloroform	ND (<5)	U	ND (<1.0)	U	NA
Methylene chloride	ND (<5)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	3.4	J	ND (<1.0)	U	100.00%
Tetrachloroethene (PCE)	320.0		1		99.67%
Toluene	ND (<5)	U	ND (<1.0)	U	NA
Trichloroethene (TCE)	31.0		ND (<1.0)	U	100.00%
Carbon Disulfide	ND (<5)	U	ND (<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<5)	U	ND (<1.0)	U	NA
2-Hexanone	ND (<25)	U	ND (<5.0)	U	NA
4-Methyl-2-pentanone	ND (<25)	U	ND (<5.0)	U	NA
Cyclohexane	ND (<5)	U	ND (<1.0)	U	NA
trans-1,2-dichloroethene	ND (<5)	U	ND (<1.0)	U	NA
Chlorobenzene	ND (<5)	U	ND (<1.0)	U	NA
Methylcyclohexane	ND (<5)	U	ND (<1.0)	U	NA
Methyl acetate	ND (<5)	U	ND (<1.0)	U	NA
Vinyl Chloride	7.4		ND (<1.0)	U	100.00%
Total Xylenes	ND (<5)	U	ND (<1.0)	U	NA
<ul style="list-style-type: none"> The 1st progress monitoring sampling of the groundwater wells associated with the "pilot" bioaugmentation program was performed on July 1-2, 2013. 					98.22%

Notes:

- "NA" = Not applicable
- "U" = Compound analyzed, but was not detected. Detection limit in parentheses.
- "DJ" or "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
- Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
- "D" indicates the compound concentration was obtained from a secondary dilution analysis.
- Acetone was not detected in the influent sample above the MDL but detected in the effluent sample. It is not a contaminant of concern for the Mr. C's site.

* Detection Limits (<10) and (<50)

** Detection Limits (<1) and (<5)

*** 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 2013 =				1576.78
January 2014	1/9/14 - 2/4/14	360.0	12.00	0.75
February 2014	2/4/14 - 3/3/14	386.0	7.90	0.82
March 2014	3/3/14 - 3/24/14	402.0	7.20	0.68
April 2014	3/24/14 - 5/5/14	506.0	0.00	1.34
May 2014	5/5/14 - 6/3/14	460.1	6.80	1.04
June 2014	6/3/14 - 6/30/14	440.6	6.90	0.81
July 2014	6/30/14 - 8/4/14	379.3	0.00	0.88
August 2014	8/4/14-9/4/14	250.0	0.00	0.37
September 2014	9/4/2014 - 10/6/14	816.0	201.51	1.57
October 2014	10/6/14 - 11/5/14	821.8	14.60	1.61
November 2014				0.00
December 2014				0.00
Total pounds of VOCs removed from inception =				1,586.64
Total pounds of VOCs removed in 2014 =				9.86

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. Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
7. Treatment system operated by O&M Enterprises from 10/03 to 7/07.
8. 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
October 2014

Including:

10/6/14

10/13/14

10/22/14

10/27/14

11/5/14

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

DATE: 6-Oct-14 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: Acome Construction

WEATHER CONDITIONS: Partly cloudy, warm, windy OUTSIDE TEMPERATURE (° F): 62

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

PW-6 is OFF due to maintenance problems.

PW-7 is OFF due to injection operation.

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>7</u> ft
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft	PW-6	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>65507</u> ft
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/>	<u>13</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-8	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 9/16/14 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING 5,207,413.0 gallons

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

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

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>10 - 0</u>	<u>0</u> psi	RIGHT:	<u>18 - 8</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: 0.011 in. H₂O DISCHARGE PRESSURE: 0.4 in. H₂O

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

EFFLUENT FLOW RATE: 128 gpm EFFLUENT TOTALIZER READING: 75,678,263 214580 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: 6.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO:

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

6-Oct-14

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:

PZ-1B has surface concrete damage from winter conditions.

SUBSLAB SYSTEM

MANOMETER: <u> 2.05 </u> in. WC	west	east	NOTES: <u> cfm = 0.05 x fpm (3" PVC) </u>
(Fan Inlet)	FLOW (fpm): _____	_____	_____
	FLOW (cfm): _____	_____	_____
VACUUM GAUGE (In WC)	_____	_____	_____

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

Remarks: _____

Other Actions: Air Stripper - cleaned by disassembly.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions: _____

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

DATE: 13-Oct-14 ACTIVITIES: Site Inspection

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

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

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

PW-6 is OFF due to maintenance problems.

PW-7 is OFF due to injection operation.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-5	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-6	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>65507</u> ft
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>13</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-8	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>4</u> ft

EQUALIZATION TANK: 4 ft Last Alarm DTI/Condition: 10/13/14 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 13 gpm INFLUENT TOTALIZER READING 5,224,002.0 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: 4.0 psi

BAG FILTER PRESSURES:	Top Bottom		RIGHT: <u>11 - 7</u> <u>0</u> psi
	LEFT: <u>2 - 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: 0.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.43 in. H₂O DISCHARGE PRESSURE: 3.5 in. H₂O

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

EFFLUENT FLOW RATE: 126 gpm EFFLUENT TOTALIZER READING: 75,689,517 | 225970 gallons

ARE BUILDING HEATERS IN USE? YES: NO: INSIDE TEMPERATURE (° F): 78

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

13-Oct-14

SAMPLES COLLECTED? YES: NO: VOCs only

	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:

PZ-1B has surface concrete damage from winter conditions.

SUBSLAB SYSTEM

MANOMETER: <u>2</u> In. WC	west	east	NOTES: cfm = 0.05 x fpm (3" PVC)
(Fan Inlet)	FLOW (fpm): _____	_____	_____
	FLOW (cfm): _____	_____	_____
VACUUM GAUGE (In WC)	_____	_____	_____

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

Remarks: _____

Other Actions: _____

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions: _____

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

DATE: 22-Oct-14 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (°F): 50

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

PW-6 is OFF due to maintenance problems.

PW-7 is OFF due to injection operation.

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 type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>65507</u> ft
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/>	<u>13</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft	PW-8	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft

EQUALIZATION TANK: 5 ft Last Alarm D/T/Condition: 10/21/14 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 13 gpm INFLUENT TOTALIZER READING 5,353,227.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 7 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 12 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/mln METERING PUMP PRESSURE: 3.0 psi

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

INFLUENT FEED PUMP IN USE: #1 #2 INFLUENT PUMP PRESSURE: 19 psi

AIR STRIPPER BLOWER IN USE: #1 #2 AIR STRIPPER PRESSURE: 0.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.35 in. H₂O DISCHARGE PRESSURE: 1.3 in. H₂O

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

EFFLUENT FLOW RATE: 124 gpm EFFLUENT TOTALIZER READING: 75,777,582 315330 gallons

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

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

WATER LEVEL IN SUMP: 7.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO:

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

22-Oct-14

SAMPLES COLLECTED? YES: NO: VOCs only

	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:

PZ-1B has surface concrete damage from winter conditions.

Repainted ID numbers on MWs.

SUBSLAB SYSTEM

MANOMETER: 1.9 In. WC (Fan Inlet)

	west	east
FLOW (fpm):	_____	_____
FLOW (cfm):	_____	_____
VACUUM GAUGE (In WC)	_____	_____

NOTES: cfm = 0.05 x fpm (3" PVC)

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

Remarks: Redux usage was 37 gals in 8 days.

Other Actions: Site is empty of materials and has been graded and graveled.

Filled present Redux drum with tap water to 1/2 full (18"). Tightened clamp on Redux tube to see if it slows the flow rate.

Performed an air sparging test for 10 minutes and then collected a lab sample.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions: Dave Kern (IAE) asked about the (2) metal pipes and small concrete pad near the Agway Site.

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

DATE: 27-Oct-14 ACTIVITIES: Site Inspection

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

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

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

PW-6 is OFF due to maintenance problems.

PW-7 is OFF due to injection operation.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <u> </u>	OFF: <u> ✓ </u>	<u> 7 </u> ft	PW-5	ON: <u> </u>	OFF: <u> ✓ </u>	<u> 7 </u> ft
PW-2	ON: <u> </u>	OFF: <u> ✓ </u>	<u> 6 </u> ft	PW-6	ON: <u> </u>	OFF: <u> ✓ </u>	<u>65507</u> ft
PW-3	ON: <u> </u>	OFF: <u> ✓ </u>	<u> 5 </u> ft	PW-7	ON: <u> ✓ </u>	OFF: <u> </u>	<u> 13 </u> ft
PW-4	ON: <u> </u>	OFF: <u> ✓ </u>	<u> 5 </u> ft	PW-8	ON: <u> </u>	OFF: <u> ✓ </u>	<u> 4 </u> ft

EQUALIZATION TANK: 3 ft

Last Alarm D/T/Condition: 10/21/14 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 45 gpm INFLUENT TOTALIZER READING 5,427,721.0 gallons

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

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

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

INFLUENT FEED PUMP IN USE: #1 ✓ #2 INFLUENT PUMP PRESSURE: 19 psi

AIR STRIPPER BLOWER IN USE: #1 ✓ #2 AIR STRIPPER PRESSURE: 0.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.34 in. H₂O DISCHARGE PRESSURE: 0.27 in. H₂O

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

EFFLUENT FLOW RATE: 130 gpm EFFLUENT TOTALIZER READING: 75,829,161 | 387690 gallons

ARE BUILDING HEATERS IN USE? YES: NO: ✓ INSIDE TEMPERATURE (° F): 66

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

27-Oct-14

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:

PZ-1B has surface concrete damage from winter conditions.

SUBSLAB SYSTEM

MANOMETER: 1.95 in. WC (Fan Inlet)

	west	east
FLOW (fpm):	_____	_____
FLOW (cfm):	_____	_____
VACUUM GAUGE (In WC)	_____	_____

NOTES: cfm = 0.05 x fpm (3" PVC)

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

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions: Redux usage was 17 gals in < 1 week. Refilled drum to 1/2 full and tightened the line clamp 1/4 turn. (10/27)

Emptied (1) gal of SVE system condensate out of drip bucket.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions: Reported to IAE that the (2) metal pipes and the small concrete pad near the Agway Site were not part of the system.

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

DATE: Nov 5, 2014 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: Carroll Plumbing

WEATHER CONDITIONS: Sunny, cool OUTSIDE TEMPERATURE (°F): 50

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

PW-6 Is OFF due to maintenance problems.

PW-7 Is OFF due to Injection operation.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/>	<u>7</u> ft	PW-5	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-6	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>65507</u> ft
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>3</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/>	<u>13</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft	PW-8	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/>	<u>5</u> ft

EQUALIZATION TANK: 3 ft Last Alarm DTT/Condition: 10/21/14 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 32 gpm INFLUENT TOTALIZER READING 5,556,217.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 1 Inches (x 1.7=) AMOUNT OF AGENT REMAINING: 1.5 gallons

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

BAG FILTER PRESSURES:		Top	Bottom	RIGHT: <u>12 - 8</u> <u>0</u> psi
	LEFT: <u>0</u> <u>0</u> psi			

INFLUENT FEED PUMP IN USE: #1 #2 INFLUENT PUMP PRESSURE: 6 psi

AIR STRIPPER BLOWER IN USE: #1 #2 AIR STRIPPER PRESSURE: 0.0 In. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.41 In. H₂O DISCHARGE PRESSURE: 3.40 In. H₂O

EFFLUENT PUMP IN USE: #1 #2 EFFLUENT FEED PUMP PRESSURE: 10.0 psi

EFFLUENT FLOW RATE: 126 gpm EFFLUENT TOTALIZER READING: 75,917,499 | 457590 gallons

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

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

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

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

Nov 5, 2014

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	5:00 PM	8.36	6.40	15.1	2529
AIR STRIPPER EFFLUENT:	EFF	5:00 PM	9.16	6.60	13.8	2525

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:

PZ-1B has surface concrete damage from winter conditions.

SUBSLAB SYSTEM

MANOMETER: 1.95 in. WC west east NOTES: cfm = 0.05 x fpm (3" PVC)
(Fan Inlet)

FLOW (fpm):		
FLOW (cfm):		
VACUUM GAUGE (in WC)		

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

Remarks: Air Stripper exhaust pipe has a slow leak.

Other Actions: Emptied 3/4 gal of SVE system condensate water from drip bottle.

Redux usage is >1/2 drum in 9 days.

Repaired Air Stripper Pressure Gauge fitting. New Gauge works properly.

Effluent Pipe Pressure Gauge does not work.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: PIEZOMETER WATER LEVEL LOG

Date: 24-Oct-14

Measurements taken by: R. Allen

RW-1	<u>17.30</u> ft	Comments:	
PZ-1A	<u>11.68</u> ft	Comments:	
PZ-1B	<u>11.43</u> ft	Comments:	
PZ-1C	<u>12.60</u> ft	Comments:	
PZ-1D	<u>12.71</u> ft	Comments:	
PW-2	<u>14.00</u> ft	Comments:	
PZ-2A	<u>11.19</u> ft	Comments:	
PZ-2B	<u>11.56</u> ft	Comments:	
PZ-2C	<u>11.01</u> ft	Comments:	
MW-7	<u>-----</u> ft	Comments:	has tube inside
PW-3	<u>19.30</u> ft	Comments:	
PZ-3A	<u>11.70</u> ft	Comments:	
PZ-3B	<u>-----</u> ft	Comments:	car parked over
PZ-3C	<u>12.25</u> ft	Comments:	
PZ-3D	<u>11.76</u> ft	Comments:	
PW-4	<u>20.30</u> ft	Comments:	
PZ-4A	<u>11.87</u> ft	Comments:	
PZ-4B	<u>11.04</u> ft	Comments:	
PZ-4C	<u>-----</u> ft	Comments:	sealed over
PZ-4D	<u>10.66</u> ft	Comments:	

PW-5	<u>17.80</u> ft	Comments:	
PZ-5A	<u>11.03</u> ft	Comments:	
PZ-5B	<u>11.02</u> ft	Comments:	
PZ-5C	<u>10.64</u> ft	Comments:	
PZ-5D	<u>11.41</u> ft	Comments:	
PW-6	<u>-----</u> ft	Comments:	injection fluid
PZ-6A	<u>11.80</u> ft	Comments:	
PZ-6B	<u>11.67</u> ft	Comments:	
PZ-6C	<u>12.02</u> ft	Comments:	
PZ-6D	<u>11.65</u> ft	Comments:	Shown as RW-2 on map
PW-7	<u>-----</u> ft	Comments:	injection fluid
MPI-6S	<u>-----</u> ft	Comments:	injection fluid
PZ-7B	<u>11.50</u> ft	Comments:	
OW-B	<u>11.41</u> ft	Comments:	
PZ-7D	<u>-----</u> ft	Comments:	injection fluid
PW-8	<u>19.60</u> ft	Comments:	
PZ-8A	<u>8.43</u> ft	Comments:	
PZ-8B	<u>8.37</u> ft	Comments:	
PZ-8C	<u>7.98</u> ft	Comments:	
PZ-8D	<u>8.32</u> ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

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

PW-5 pump on?	<u> </u> Yes	<u> √ </u> No
PW-6 pump on?	<u> </u> Yes	<u> </u> No
PW-7 pump on?	<u> </u> Yes	<u> </u> No
PW-8 pump on?	<u> </u> Yes	<u> √ </u> No

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 10/2014

DATE	ACTIVITY
1-Oct	Take system measurements. Get Supplies. Performance sampling. End of month summaries.
6-Oct	OM&M Weekly Inspection.
7-Oct	Inventory Air Stripper clips. Advise IAE and Plaza store owners about Air Stripper tear down.
8-Oct	Pump out Air Stripper sump box. Move Treatment Room equipment to office. Inventory Buildings 574 and 578 Main St for electric outlets and water spigots. Office work.
9-Oct	Clean Air Stripper by tear down. Get supplies.
10-Oct	Move Treatment Room equipment back to office. Clean Treatment Room. Get supplies. Seal damaged Air Stripper gaskets.
13-Oct	OM&M Weekly Inspection. Pour remains of old Redux drum into new drum. Poured Air Stripper cleaning water into sump box. Instal port covers and turn system ON. Take system measurements.
14-Oct	Sweep Treatment Room. Pour decanted Air Stripper cleaning water into sump box. Take Performance Samples.
21-Oct	Inspect System. O & M office work.
22-Oct	OM&M Weekly Inspection and VOC sampling. Filled Redux drum to 1/2 full with water for usage test.
24-Oct	Piezometer Readings.
27-Oct	OM&M Weekly Inspection and Performance sampling. Refilled Redux drum with water for usage test
28-Oct	Swept spruce needles and cones off of Library Parking Lot. Take system measurements. UJM office work.
31-Oct	Take Performance Samples. Take system measurements.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 10/2014

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Demobilize Agway Shed Hardware	Dismantle electrical installations, system pipes, enclosure panels and regrade area.	Jun-14
Blower #2 makes loud noise	Fan seems to have slipped off of the motor shaft. Disassemble, inspect and repair.	Jun-14
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
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
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
PW-7 pitless adapter	Pitless adapter does not seal well. Repair or replace pitless adapter	in progress
PW-8 pitless adapter	Pitless adapter feels broken/does not seal well. Repair/replace pitless adapter	in progress
PW-6 pumping into itself	Water enters well when well pump is running. Suspect faulty check valve. Test and repair as needed.	in progress
Filter Housings are corroded	Flanges that seal filter baskets inside Rosedale Filter Housings are corroded. Sediment flows around filters instead of being trapped. Replace seals in existing housings (short term). Replace housings (long term).	in progress
Replace Air Stripper Latches	Around (6) latches on the Air Stripper trays are loose or broken. Reattach keepers with JB Weld. Replace broken latches and springs with new parts.	in progress
Repair Leaking Ball Valve	Influent ball valve near east side of EQ Tank drips. Inspect/clean and replace if necessary.	in progress
PZ-1B has damage	PZ-2B has surface concrete damage from severe winter conditions this year. Repair chipped concrete with epoxy material.	in progress
Influent Pipe leaks	Ball Valve and pipe joints near southwest corner of EQ Tank started leaking. Rebuild pipes to stop leaks.	Aug-14
EQ Tank leaks	Transducer fitting at southwest corner of EQ Tank leaks from where a 90 degree galvanized pipe corroded through. Drained EQ Tank and replace bad fittings.	Aug-14
Redux usage rapidly increased	The rate of Redux usage increased rapidly during the past month despite turning the Jesco Pump settings to their lowest levels. Clean pump and test. Adjust clamps on Redux line.	in progress
Reduce Influent Pump Rate	Lab Tests have shown high levels of VOCs. Try lengthening the time that the Influent Pump runs to increase the Air Sparging time inside the Air Stripper	in progress
Add Air Sparging System	Lab Tests have shown high levels of VOCs. Try adding an Air Sparging system to the sump box of the Air Stripper to increase the treatment of the effluent.	in progress
Tear Down Air Stripper	Lab Tests have shown high levels of VOCs. Tear down Air Stripper to clean scale build up from the inside of the trays to increase treatment efficiency.	Oct-14
Air Stripper Pressure Gauge does not work	Replace or repair the gauge and/or its pressure feed tube to regain and accurate pressure reading	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2014

as of Oct 2014

ID	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PITLESS ADAPTER	INNER RING	HORIZONTAL PIPE	CHECK VALVE	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	Jan 08, May 10, Jan 12	Feb 08, Jan 12	May 10, Nov 08					May 10, Jan 12					
PW - 2	Jun 08, Aug 09, May 10, Apr 13	Jul 08, Apr 13						Nov 11, May 10, Apr 13	Sep 09, Dec 11		Aug-09	Nov-11	Sep-09
PW - 3	Jun 08, Aug 09, May 10	Jul 08, Dec 11		Repair adapter				Aug 09, Nov 11	Dec 11		Aug-09	Nov-11	
PW - 4	Dec 07, May 08, Sep 09, May 10, Jan 12	Dec 07, Jan 12	Sep-13		Aug 13			May 10, Nov 11	Dec 11, Mar 08, Sep 08	Sep-08	Jul 09, Sep 09	Sep 09, Nov 11	Sep-09
PW - 5	Jan 12, May 08	Jul 08, Jan 12						Mar-11	Jan 12, Sep 08	Sep-09		Jan-12	
PW - 6	Jun 08, Jul 09, Jul 12, Nov 12	Jun 08, Jul 09, Aug 12, Nov 12				Jul 12, Nov 12		Aug 09, Jul 12, Dec 12, Apr 13	Sep-09	Jun-08	Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	Jun 08, Jul 09, May 10, Oct 10, Aug 11, Mar 12, Jul 12, Nov 12	Nov 07, Jul 09, Oct 10, Nov 12				Jul 12, Nov 12		Oct 10, Aug 11, Mar 12, Jul 12, Dec 12		Jun-08	Aug 09, May 10, Aug 11		
PW - 8	Jun 08, Aug 09, May 10, Aug 11, Jul 12, Dec 12	Jul 08, Sep 09, Aug 11, Dec 12				Pipe 8/09, Jul 12		May 10, Aug 11, Jul 12, Dec 12, Apr 13			Aug 09, May 10, Aug 11	Apr-13	Apr-13

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2014

as of Oct 2014

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 CHECK VALVE INSPECTION	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	NO		YES				NO		NO	NO	YES - bolts
PW-3	NO	NO	NO	REPAIRED 8/09	DONE 8/09				NO		NO	NO	NO
PW-4	DONE 9/13	NO	Replaced 8/13		DONE 9/09				NO		NO	NO	YES - Asphalt patch
PW-5	DONE 1/12	NO	NO		YES				NO	DONE 1/12	DONE 1/12	NO	NO
PW-6	YES	YES	NO	Replaced pipe 8/09	DONE 8/09		NO	YES	YES	NO	DONE 9/09	NO	DONE
PW-7	NO	NO	NO	Replaced pipe 8/09	YES	YES	NO		NO	NO	DONE	NO	NO
PW-8	NO	DONE 8/11	NO	Replaced pipe 8/09	NO	YES	YES		NO	NO	YES	NO	NO

Attachment B
Analytical Report from
Spectrum Analytical Laboratories

Analytical Data Package Work Order ID: N1926

Sampled: October 14, 2014

Received: October 21, 2014

Report Date:
21-Oct-14 17:17

- Final Report
- Re-Issued Report
- Revised Report



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

Work Order: N1926
Project : Mr. C's Dry Cleaning
Project #: 4500000623/EN-003229-0001-03TTO

Attn: Michael Steffan

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
N1926-01	INFLUENT	Aqueous	14-Oct-14 16:30	15-Oct-14 10:17
N1926-02	EFFLUENT	Aqueous	14-Oct-14 16:30	15-Oct-14 10:17

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-R1907
New Hampshire	2631
New Jersey	RI001
New York	11522
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



Certificate # L2247 Testing

Sample Transmittal Documentation



A Division of SPECTRUM ANALYTICAL, INC. Featuring HANBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

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.

Page 1 of 1

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

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

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

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

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

List preservative code below:

2

Notes: _____

Containers:

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

Analyses:

VOCs
✓
✓

QA/QC Reporting Level

Level I Level II
 Level III Level IV
 Other CAT A

G=Grab C=Composite

Matrix

Type

Lab Id: N1926
01 INFLUENT Oct 14, 2014 4:30 P
02 EFFLUENT Oct 14, 2014 4:30 P

Time:

Date:

Sample Id:

Date:

Time:

Please return
IEG cooler

State specific reporting standards: _____

E-mail to m.steffan@ene.com

EDD Format PDF

Condition upon receipt: Iced Ambient 7°C 5:8 IR

Relinquished by:

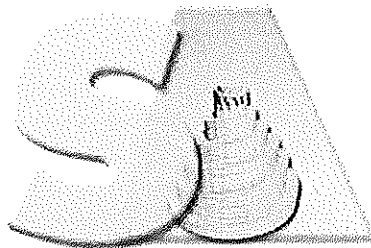
R. Allen

Received by:

R. Allen

Date:

10/15/14 10:17



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.: N1926 Mod. Ref No.: _____ SDG No.: SN1926
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1926-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: VIN1746.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/15/2014
 % Moisture: not dec. Date Analyzed: 10/16/2014
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 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		5.0	U
74-87-3	Chloromethane		5.0	U
75-01-4	Vinyl chloride		15	
74-83-9	Bromomethane		5.0	U
75-00-3	Chloroethane		5.0	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
67-64-1	Acetone		25	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
78-93-3	2-Butanone		25	U
156-59-2	cis-1,2-Dichloroethene		520	
67-66-3	Chloroform		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon tetrachloride		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		36	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
108-10-1	4-Methyl-2-pentanone		25	U
108-88-3	Toluene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
127-18-4	Tetrachloroethene		390	
591-78-6	2-Hexanone		25	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethylbenzene		5.0	U
1330-20-7	Xylene (Total)		5.0	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.: N1926 Mod. Ref No.: _____ SDG No.: SN1926
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1926-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N1746.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/15/2014
 % Moisture: not dec. Date Analyzed: 10/16/2014
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 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		5.0	U
75-25-2	Bromoform		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.0	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		5.0	U
110-82-7	Cyclohexane		5.0	U
79-20-9	Methyl acetate		5.0	U
108-87-2	Methylcyclohexane		5.0	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.: N1926 Mod. Ref No.: _____ SDG No.: SN1926
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1926-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N1745.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/15/2014
 % Moisture: not dec. Date Analyzed: 10/16/2014
 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		0.52	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		26	
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		2.0	
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
127-18-4	Tetrachloroethene		10	
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.: N1926 Mod. Ref No.: _____ SDG No.: SN1926
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1926-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1N1745.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/15/2014
 % Moisture: not dec. Date Analyzed: 10/16/2014
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

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

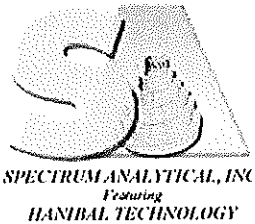
Attachment C
Analytical Report from
Spectrum Analytical Laboratories

Analytical Data Package Work Order ID: N1986

Sampled: October 22, 2014

Received: October 30, 2014

Report Date:
30-Oct-14 10:58



- Final Report
 Re-Issued Report
 Revised Report

Laboratory Report

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

Work Order: N1986
Project : Mr. C's Dry Cleaning
Project #: 10C3074.0011.03

Attn: Michael Steffan

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
N1986-01	INFLUENT	Aqueous	22-Oct-14 00:00	23-Oct-14 08:35
N1986-02	EFFLUENT	Aqueous	22-Oct-14 00:00	23-Oct-14 08:35
N1986-03	AIRSPARGED-1	Aqueous	22-Oct-14 00:00	23-Oct-14 08:35

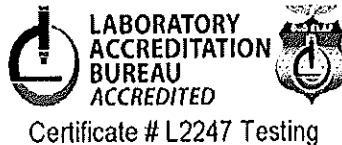
I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum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

All applicable NELAC or USEPA CLP 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.

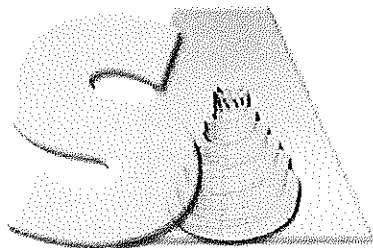
Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033



Authorized by:

Yihai Ding
Laboratory Director

Sample Transmittal Documentation



SPECTRUM ANALYTICAL, INC.
Featuring
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.: N1986 Mod. Ref No.: _____ SDG No.: SN1986
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1986-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8D7777.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/23/2014
 % Moisture: not dec. Date Analyzed: 10/24/2014
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 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		5.0	U
74-87-3	Chloromethane		5.0	U
75-01-4	Vinyl chloride		11	
74-83-9	Bromomethane		5.0	U
75-00-3	Chloroethane		5.0	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
67-64-1	Acetone		25	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
78-93-3	2-Butanone		25	U
156-59-2	cis-1,2-Dichloroethene		490	
67-66-3	Chloroform		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon tetrachloride		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		33	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
108-10-1	4-Methyl-2-pentanone		25	U
108-88-3	Toluene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
127-18-4	Tetrachloroethene		380	
591-78-6	2-Hexanone		25	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethylbenzene		5.0	U
1330-20-7	Xylene (Total)		5.0	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.: N1986 Mod. Ref No.: _____ SDG No.: SN1986
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1986-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8D7777.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/23/2014
 % Moisture: not dec. Date Analyzed: 10/24/2014
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 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		5.0	U
75-25-2	Bromoform		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.0	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		5.0	U
110-82-7	Cyclohexane		5.0	U
79-20-9	Methyl acetate		5.0	U
108-87-2	Methylcyclohexane		5.0	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.: N1986 Mod. Ref No.: _____ SDG No.: SN1986
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1986-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8D7775.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/23/2014
 % Moisture: not dec. Date Analyzed: 10/24/2014
 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		9.6	
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		37	
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		1.9	
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.: N1986 Mod. Ref No.: _____ SDG No.: SN1986
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1986-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8D7775.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/23/2014
 % Moisture: not dec. Date Analyzed: 10/24/2014
 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

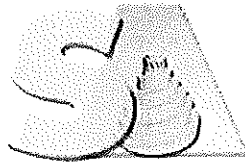
Attachment D
Analytical Report from
Spectrum Analytical Laboratories

Analytical Data Package Work Order ID: N2070

Sampled: October 31, 2014

Received: November 7, 2014

Report Date:
07-Nov-14 13:34



SPECTRUMANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

- Final Report
- Re-Issued Report
- Revised Report

Laboratory Report

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

Work Order: N2070
Project : Mr. C's Dry Cleaning
Project #: 10C3074.0011.03

Attn: Michael Steffan

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
N2070-01	INFLUENT	Aqueous	31-Oct-14 15:00	01-Nov-14 09:45
N2070-02	EFFLUENT	Aqueous	31-Oct-14 15:00	01-Nov-14 09:45

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-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

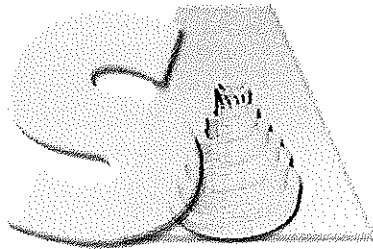


Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

Sample Transmittal Documentation



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.: N2070 Mod. Ref No.: _____ SDG No.: SN2070
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N2070-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8D7951.D
 Level: (TRACE/LOW/MED) LOW Date Received: 11/01/2014
 % Moisture: not dec. Date Analyzed: 11/04/2014
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 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		5.0	U
74-87-3	Chloromethane		5.0	U
75-01-4	Vinyl chloride		7.4	
74-83-9	Bromomethane		5.0	U
75-00-3	Chloroethane		5.0	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
67-64-1	Acetone		25	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl ether		3.4	J
75-34-3	1,1-Dichloroethane		5.0	U
78-93-3	2-Butanone		25	U
156-59-2	cis-1,2-Dichloroethene		460	
67-66-3	Chloroform		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon tetrachloride		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		31	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
108-10-1	4-Methyl-2-pentanone		25	U
108-88-3	Toluene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
127-18-4	Tetrachloroethene		320	
591-78-6	2-Hexanone		25	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethylbenzene		5.0	U
1330-20-7	Xylene (Total)		5.0	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.: N2070 Mod. Ref No.: _____ SDG No.: SN2070
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N2070-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8D7951.D
 Level: (TRACE/LOW/MED) LOW Date Received: 11/01/2014
 % Moisture: not dec. Date Analyzed: 11/04/2014
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 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		5.0	U
75-25-2	Bromoform		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.0	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		5.0	U
110-82-7	Cyclohexane		5.0	U
79-20-9	Methyl acetate		5.0	U
108-87-2	Methylcyclohexane		5.0	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.: N2070 Mod. Ref No.: _____ SDG No.: SN2070
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N2070-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8D7952.D
 Level: (TRACE/LOW/MED) LOW Date Received: 11/01/2014
 % Moisture: not dec. Date Analyzed: 11/04/2014
 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		12	
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		1.6	
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		1.0	
591-78-6	2-Hexanone		5.0	U
124-48-1	Dibromochloromethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylene (Total)		1.0	U

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

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: SPECTRUM ANALYTICAL, INC. Contract: _____
 Lab Code: MITKEM Case No.: N2070 Mod. Ref No.: _____ SDG No.: SN2070
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N2070-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8D7952.D
 Level: (TRACE/LOW/MED) LOW Date Received: 11/01/2014
 % Moisture: not dec. Date Analyzed: 11/04/2014
 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 E
Summary of Site Utility Costs and Projections
January to December 2014

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs															ATTACHMENT E
NYSDEC Work Assignment #DC13.02.01.01															
12 Months of System Operation and Maintenance															
October 2014 Report															
Gas, Telephone, and Electric Utility Provider	Account #	E&E Cost Center	Description	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Utility Budget:	Electric:	Telephone:	Gas	Total:	
															Overbilled natural gas costs - no charges
New York State E&G	11001-0310-422	EN-003229-0001-03TTO	Mr. C's Electric Costs	\$ 1,486.01	\$ 853.87	\$ 2,063.94	\$ 1,097.48	\$ 816.14	\$ 638.23						
New York State E&G	76-311-11-015900-18	EN-003229-0001-03TTO	Mr. C's Natural Gas Costs	\$ 217.68	\$ 209.04	\$ 207.65	\$ -	\$ -	\$ -						
National Fuel Gas	5819628-05		Totals	\$ 1,703.69	\$ 1,062.91	\$ 2,271.79	\$ 1,097.48	\$ 816.14	\$ 638.23						
			Mr. C's Electric Costs	\$ 758.34	\$ 772.32	\$ 743.29	\$ 898.35	\$ 1,431.50							
			Mr. C's Natural Gas Costs	\$ 758.34	\$ 772.32	\$ 743.29	\$ 898.35	\$ 1,431.50							
			Totals	\$ 758.34	\$ 772.32	\$ 743.29	\$ 898.35	\$ 1,431.50	\$ -						
Electric - Mr. C's															
Natural Gas - Mr. C's															
Grand Total - NYSE&G/National Fuel Gas Costs To Date				\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
Notes:															
Electric - Mr. C's				\$11,559.47											
Natural Gas - Mr. C's				\$ 634.57											
Grand Total - NYSE&G/National Fuel Gas Costs To Date				\$ 12,194.04											

Phone Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Utility Budget:	Electric:	Telephone:	Gas	Total:
Verizon	716-652-0094	EN-003229-0001-03TTO	Mr. C's Telephone Costs	\$ 40.01	\$ 36.86	\$ 36.38	\$ 37.66	\$ 36.40	\$ 36.40					
			Totals	\$ 40.01	\$ 36.86	\$ 36.38	\$ 37.66	\$ 36.40	\$ 36.40					
			Verizon Costs to Date - Mr. C's	\$ 260.68										
			Grand Total All Utilities To Date	\$ 12,454.72										

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs															ATTACHMENT E
NYSDEC Work Assignment #DC13.02.01.01															
12 Months of System Operation and Maintenance															
October 2014 Report															
Gas, Telephone, and Electric Utility Provider	Account #	E&E Cost Center	Description	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Utility Budget:	Electric:	Telephone:	Gas	Total:	
															Overbilled natural gas costs - no charges
New York State E&G	11001-0310-422	EN-003229-0001-03TTO	Mr. C's Electric Costs	\$ 1,486.01	\$ 853.87	\$ 2,063.94	\$ 1,097.48	\$ 816.14	\$ 638.23						
New York State E&G	76-311-11-015900-18	EN-003229-0001-03TTO	Mr. C's Natural Gas Costs	\$ 217.68	\$ 209.04	\$ 207.65	\$ -	\$ -	\$ -						
National Fuel Gas	5819628-05		Totals	\$ 1,703.69	\$ 1,062.91	\$ 2,271.79	\$ 1,097.48	\$ 816.14	\$ 638.23						
			Mr. C's Electric Costs	\$ 758.34	\$ 772.32	\$ 743.29	\$ 898.35	\$ 1,431.50							
			Mr. C's Natural Gas Costs	\$ 758.34	\$ 772.32	\$ 743.29	\$ 898.35	\$ 1,431.50							
			Totals	\$ 758.34	\$ 772.32	\$ 743.29	\$ 898.35	\$ 1,431.50	\$ -						
Electric - Mr. C's															
Natural Gas - Mr. C's															
Grand Total - NYSE&G/National Fuel Gas Costs To Date				\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
Notes:															
Electric - Mr. C's				\$11,559.47											
Natural Gas - Mr. C's				\$ 634.57											
Grand Total - NYSE&G/National Fuel Gas Costs To Date				\$ 12,194.04											

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

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

October 2014 Report

Budget Remaining: \$1,240.53

Electric: \$279.32

Gas: \$485.43

Total: \$2,005.28

ATTACHMENT E

Month	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:
January-13	624	616	98.72%	8.8%	Snow and Sub-freezing January
February-13	648	648	100.00%	8.6%	Very cold and snowy February
March-13	504	504	100.00%	8.7%	Still very cold with below normal temperatures and snow
April-13	1008	764	75.79%	8.9%	Little snow & rainy
May-13	696	696	100.00%	8.4%	Generally Clear
June-13	648	648	100.00%	7.3%	Generally Clear
July-13	840	840	100.00%	7.1%	Generally Clear
August-13	880	480	54.55%	9.3%	Mixed - clear and rainy days
September-13	768	720	93.75%	9.1%	Clear and dry.
October-13	720	480	66.67%	10.7%	Rainy and cooler temperatures
November-13			#DIV/0!		
December-13			#DIV/0!		
Totals to Date	7336	6396	87.19%		

* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 902. 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	\$ 1,050.86	
Agway Electric	\$ -	
Mr. C's Gas	\$ 211.52	
Mr. C's Telephone	\$ 37.24	
Avg. Utility Cost Total	\$ 1,299.62	12 Month Estimate
		\$16,895.12