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International Specialists in the Environment
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December 9, 2010

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
November 2010 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the November 2010 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in Attachment A. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MLI) are provided as Attachments B and C. The full analytical report along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment D.

In review of the on-site treatment system operations, monitoring and maintenance for November 2010, 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 11/2, 11/9, 11/16, 11/22, and 11/30/10.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100.00% operational up-time (Table 1) for November 2010 and the treatment of contaminated groundwater totaling of 453,855 gallons (Table 2).
- The analytical samples for the monthly compliance were taken on November 2, 2010 and November 10, 2010 as a result of before and after cleaning of the air stripper unit. The sampling results were received by EEEPC on November 12, 2010 and November 29, 2010.
- Excerpts from the Analytical Data packages for the sampling events are presented in Attachments B and C.

- A review of the analytical data from November 2, 2010 indicated compliance issues were encountered for Tetrachloroethylene at 41 µg/L. Corrective actions were performed on the treatment equipment and additional analytical monitoring was performed on November 10, 2010.
- Adjustments were made to the air stripper and a second sample was taken for compliance purposes on November 10, 2010. The analytical results revealed the influent concentration to be 949.9 µg/L or 949.9 ppb, and 9.56 µg/L or 9.56 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the November 10, 2010 sampling event is presented in Table 4.
- Overall cleanup efficiency for the contaminants of concern at the site during the reporting period 11/2/10 to 11/30/10 was 98.99%. The air stripper unit on the Mr. C's property is in compliance and MLI continues to provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. The summary of Effluent Discharge Criteria & Analytical Compliance Results for November 2010 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 3.56 lbs of targeted contaminants from the groundwater below the site in the month of November 2010. The calculations and data for the month and entire year of 2010 are presented in Table 5.

Agway Site Remedial Information

- System was shut off for most of November due to compressor pump issues. After pump replacement has been performed the unit will be returned to service.

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

- No current operational issues.
- Air sampling and maintenance review was performed in November 16th and 17th 2010.

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 November 2010 and year to date are provided as Attachment D.

If you have questions regarding the November 2010 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 1/5/10)	**61,992.50**	**95.99%**
January 5, 2010 - February 1, 2010	648	100.00%
February 1, 2010 - March 2, 2010	696	100.00%
March 2, 2010 - March 30, 2010	672	100.00%
March 30, 2010 - April 27, 2010	672	100.00%
April 27, 2010 - June 2, 2010	816	94.44%
June 2, 2010 - July 6, 2010	816	100.00%
July 6, 2010 - August 4, 2010	696	100.00%
August 4, 2010 - September 7, 2010	816	100.00%
September 7, 2010 - September 28, 2010	504	100.00%
September 28, 2010 - November 2, 2010	792	94.29%
November 2, 2010 - November 30, 2010	672	100.00%
December 2010		
Total Hours from System Startup '2/02'	**69,792.50**	
Average Operational Up-time from startup =		**96.07%**
Average Operational Up-time for 2010 =		**96.73%**

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
Total - Inception to December 2009	**9/5/02 - 1/5/10**	**109,009,157**
January 2010[3]	1/5/10 - 2/1/10	648,852
February 2010[3]	2/1/10 - 3/2/10	672,687
March 2010[3]	3/2/10 - 3/30/10	491,152
April 2010[3]	3/30/10 - 4/27/10	228,188
May 2010[3]	4/27/10 - 6/2/2010	322,174
June 2010[3]	6/2/10 - 7/6/10	268,627
July 2010[3]	7/6/10 - 8/4/10	450,503
August 2010[3]	8/4/10 - 9/7/10	503,999
September 2010[3]	9/7/10 - 9/28/10	297,308
October 2010[3]	9/28/10 - 11/2/10	502,911
November 2010[3]	11/2/10 - 11/30/10	453,855
December 2010[3]		
Total Gallons Treated in 2010		**4,840,256**
Total Gallons Treated To Date:		**113,849,413**

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	November 2, 2010 Effluent Analytical Values - Compliance - Before Air Stripper Adjustment	November 10, 2010 Effluent Analytical Values - Compliance - After Air Stripper Adjustment
Flow	N/A	gpd	16,209.11	16,209.11
pH	6.0 - 9.0	standard units	7.70	NA
1,1 Dichloroethene	10	µg/L	ND(<1.0)	ND(<1.0)
1,2 Dichloroethane	10	µg/L	ND(<1.0)	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	1.9	0.57 J
Trichloroethene	10	µg/L	3.0	0.61 J
Tetrachloroethene	10	µg/L	41	7.6
Vinyl Chloride	10	µg/L	ND(<1.0)	ND(<1.0)
Benzene	5	µg/L	ND(<1.0)	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<1.0)	ND(<1.0)
1,1,1 Trichloroethane	10	µg/L	ND(<1.0)	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	2.2	1.5
o-Xylene[3]	5	µg/L	NA	NA
m, p-Xylene[3]	10	µg/L	NA	NA
Total Xylenes	NA	ug/L	ND(<1.0)	ND(<1.0)
Iron, total	600	µg/L	NA[9]	NA[9]
Aluminum	4,000	µg/L	NA[9]	NA[9]
Copper	48	µg/L	NA[9]	NA[9]
Lead	11	µg/L	NA[9]	NA[9]
Manganese	2,000	µg/L	NA[9]	NA[9]
Silver	100	µg/L	NA[9]	NA[9]
Vanadium	28	µg/L	NA[9]	NA[9]
Zinc	230	µg/L	NA[9]	NA[9]
Total Dissolved Solids	850	mg/L	NA[9]	NA[9]
Total Suspended Solids	20	mg/L	NA[9]	NA[9]
Hardness	N/A	mg/l	530	NA
Cyanide, Free	10	µg/L	NA[9]	NA[9]

NOTES:

1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
2. Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
3. Shaded cells indicate that analytical value exceeds the "Daily Maximum"
4. "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
5. "NA" indicates that analyses were not performed and data is unavailable.
6. Average flows based on effluent readings taken November 2, 2010 through November 30, 2010. Total gallons: 453,855 divided by 28 operating days (672 actual operating hours).
7. "J" indicates an estimated value below the detection limit.
8. "B" indicates analyte found in the associated blank.
9. 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
November 2010 VOC Analytical Summary

Compound	Based on the 11/10/10 Effluent Sampling Results				
	Influent Concentration* (ug/L)		Effluent Concentration* (ug/L)		Cleanup Efficiency** (%)
Acetone	ND (<50.0)	U	ND (<5.0)	U	NA
Benzene	ND (<10.0)	U	ND (<1.0)	U	NA
2-Butanone	ND (<50.0)	U	ND (<5.0)	U	NA
cis-1, 2-Dichloroethene	30.0		0.57	J	98.10%
Methylene chloride	12		ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	9.9	J	0.78	J	100.00%
Tetrachloroethene	850.0		7.6		99.11%
Toluene	ND (<10.0)	U	ND (<1.0)	U	NA
Trichloroethene	48.0		0.61	J	98.73%
Carbon Disulfide	ND (<10.0)	U	ND (<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND (<10.0)	U	ND (<1.0)	U	NA
Cyclohexane	ND (<10.0)	U	ND (<1.0)	U	NA
trans-1,2-dichloroethene	ND (<10.0)	U	ND (<1.0)	U	NA
Methylcyclohexane	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl acetate	ND (<10.0)	U	ND (<1.0)	U	NA
Total Xylenes	ND (<10.0)	U	ND (<1.0)	U	NA
November 2010 TOTALs (in ug/L) =	**949.9**		**9.56**		**98.99%**

Notes:
1. "NA" = Not applicable
2. "ND" or "U" = Compound analyzed, but was not detected. Detection limit in parentheses
3. "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" = Compounds identified in analysis required secondary dilution factoring.
6. "B" indicates analyte found in the associated blank.

* (<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 2009 =				**1435.30**
January 2010	1/5/2010 - 2/1/2010	1420	0.00	7.69
February 2010	2/1/2010 - 3/2/2010	992	3.90	5.55
March 2010	3/2/2010 - 3/30/2010	1098	26.80	4.39
April 2010	3/30/2010 - 4/27/2010	1547	7.20	2.93
May 2010	4/27/2010 - 6/2/2010	434	0.00	1.17
June 2010	6/2/2010 - 7/6/2010	1530	0.73	3.43
July 2010	7/6/2010 - 8/4/2010	865	3.10	3.24
August 2010	8/4/2010 - 9/7/2010	858	129.90	3.06
September 2010	9/7/2010 - 9/28/2010	914	1.30	2.26
October 2010	9/28/10 - 11/2/10	736	0.78	3.09
November 2010	11/2/10 - 11/30/10	950	9.56	3.56
December 2010				
Total pounds of VOCs removed from inception to November 2010 =				**1,475.67**
Total pounds of VOCs removed in 2010 =				**40.37**

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:

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

Attachment A
IEG Weekly Inspection Reports
November 2010

Including:

11/2/10

11/910

11/16/10

11/22/10

11/30/10

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

DATE: 2-Nov-10 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Sunny, cool *OUTSIDE TEMPERATURE (°F):* 38

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

PW-8 remains ON at a steady level 13.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF: √	7 ft	PW-5	ON:		OFF: √	7 ft
PW-2	ON: √		OFF:	7 ft	PW-6	ON:		OFF: √	4 ft
PW-3	ON:		OFF: √	6 ft	PW-7	ON:		OFF: √	7 ft
PW-4	ON:		OFF: √	5 ft	PW-8	ON: √		OFF:	13 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 10/13/10 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 35 gpm INFLUENT TOTALIZER READING: 1,528,988.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 22 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 37.5 gallons

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	6	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 #2 √ *AIR STRIPPER PRESSURE:* 6.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.02 in. H_2O *DISCHARGE PRESSURE:* 1.3 in. H_2O

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 11.5 psi

EFFLUENT FLOW RATE: 108 gpm *EFFLUENT TOTALIZER READING:* 61,163,922 450540 gallons

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

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

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

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

2-Nov-10

SAMPLES COLLECTED? **YES:** √ **NO:** _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	10:30 AM	7.61	7.51	11.1	2646
AIR STRIPPER EFFLUENT:	EFF	10:30 AM	7.42	8.51	11.6	2580

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:

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

Remarks: Air Stripper exhaust pipe leaks (< 1 gal).

Other Actions:

AGWAY

SYSTEM VACUUM: **-23** **in. H_2O** ***AIR PRESSURE:*** **0** **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: Loud clatter coming from new electric motor on compressor. Belt is not turning pump motor. Silver dust is all over the inside of the shed. Shut down system.

Other Actions:

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

DATE: 9-Nov-10 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen, D. Iyer *OTHER PERSONNEL:* Caroll Plumbing

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

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

PW-8 is always ON at a steady level 14.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	8 ft	PW-5	ON:	OFF: √	7 ft
PW-2	ON: √	OFF:	5 ft	PW-6	ON:	OFF: √	6 ft
PW-3	ON:	OFF: √	6 ft	PW-7	ON:	OFF: √	7 ft
PW-4	ON: √	OFF:	4 ft	PW-8	ON: √	OFF:	14 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 10/13/10 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 30 gpm INFLUENT TOTALIZER READING: 1,720,177.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 15 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 25.5 gallons

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

	Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT: 0	0 psi	RIGHT:	6	0 psi

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

AIR STRIPPER BLOWER IN USE: #1 #2 √ *AIR STRIPPER PRESSURE:* 5.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.02 in. H_2O *DISCHARGE PRESSURE:* 1.3 in. H_2O

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 9.5 psi

EFFLUENT FLOW RATE: 107 gpm *EFFLUENT TOTALIZER READING:* 61,278,057 | 566600 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: *INSIDE TEMPERATURE (°F):* 62

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

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

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

9-Nov-10

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:

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

Remarks: Emptied old Redux drum into new drum. Have (0.5) drums.

Other Actions: Swept spruce needles from Library Parking lot around groups PW-6 and PW-7.

Installed flow meter access plug into Blower #2 pipe. Took air flow measurements. Increased air flow to Air Stripper.

Sent samples to lab for VOC analysis.

AGWAY

SYSTEM VACUUM: _____ **in. H_2O** ***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 shut OFF due to maintenance problem.

Drained (2) gals from SVE vacuum drum.

Other Actions: Vacuumed shed of metal dust. Returned electric motor of compressor to S&S Electric for new one. Bought new pulley for electric motor to replace the damaged one. Took air pump to Comairco for evaluation.

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

DATE: 16-Nov-10 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Cloudy, cool *OUTSIDE TEMPERATURE (°F):* 55

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

PW-8 remains ON at a steady 18.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF: √	8 ft	PW-5	ON:		OFF: √	6	ft
PW-2	ON:		OFF: √	6 ft	PW-6	ON:		OFF: √	6	ft
PW-3	ON:		OFF: √	5 ft	PW-7	ON:	√	OFF:	7	ft
PW-4	ON:		OFF: √	6 ft	PW-8	ON:	√	OFF:	18	ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 10/13/10 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 13 gpm INFLUENT TOTALIZER READING: 1,905,165.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 3 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 5 gallons

SEQUESTERING AGENT FEED RATE: 7.0 ml/min *METERING PUMP PRESSURE:* 3.5 psi

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	18	0	psi	RIGHT:	8	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 14 psi

AIR STRIPPER BLOWER IN USE: #1 #2 √ *AIR STRIPPER PRESSURE:* 10.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.026 in. H_2O *DISCHARGE PRESSURE:* 3.5 in. H_2O

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 8.5 psi

EFFLUENT FLOW RATE: 109 gpm *EFFLUENT TOTALIZER READING:* 61,387,822 679170 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: *INSIDE TEMPERATURE (°F):* 63

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

16-Nov-10

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:

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

Remarks: Turned Jesco pump down slightly to: Left 2.2; Right 0.9.

Other Actions: Changed bag filters.

Took delivery of (3) Redux drums from A.Duie PYLE tractor trailer.

Switched Redux pickup from old drum to new drum. Have (3) full drums.

AGWAY

SYSTEM VACUUM: ____ **in. H_2O** ***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 shut down due to maintenance problem.

Comairco estimates: repair pump $767; new pump $1893; new compressor $2800.

Other Actions:

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

DATE: 22-Nov-10 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Rain, warm *OUTSIDE TEMPERATURE (°F):* 55

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

PW-8 is OFF due to maintenance problem.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF: √	7 ft	PW-5	ON:		OFF: √	4 ft
PW-2	ON:		OFF: √	6 ft	PW-6	ON:		OFF: √	7 ft
PW-3	ON:		OFF: √	5 ft	PW-7	ON:	√	OFF:	4 ft
PW-4	ON:		OFF: √	6 ft	PW-8	ON:	√	OFF:	18 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 10/13/10 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 9 gpm INFLUENT TOTALIZER READING: 2,069,610.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 30 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 51 gallons

SEQUESTERING AGENT FEED RATE: 5.0 ml/min *METERING PUMP PRESSURE:* 3.5 psi

BAG FILTER PRESSURES:	Top	Bottom		Top	Bottom	
LEFT:	0	0	psi	RIGHT: 6	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 ____ *INFLUENT PUMP PRESSURE:* 14 psi

AIR STRIPPER BLOWER IN USE: #1 ____ #2 √ *AIR STRIPPER PRESSURE:* 10.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.026 in. H_2O *DISCHARGE PRESSURE:* 3.5 in. H_2O

EFFLUENT PUMP IN USE: #1 ____ #2 √ *EFFLUENT FEED PUMP PRESSURE:* 8.0 psi

EFFLUENT FLOW RATE: 113 gpm *EFFLUENT TOTALIZER READING:* 61,485,787 | 779510 gallons

ARE BUILDING HEATERS IN USE? YES: ____ NO: √ *INSIDE TEMPERATURE (°F):* 63

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

22-Nov-10

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:

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

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

Remarks:

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

AGWAY

SYSTEM VACUUM: _____ **in. H_2O** ***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 due to compressor breakdown.

Other Actions:

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

DATE: 30-Nov-10 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Rain, wind *OUTSIDE TEMPERATURE (°F):* 56

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

PW-8 is turned OFF due to maintenance problem.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF:	√	7 ft	PW-5	ON:		OFF:	√	6 ft
PW-2	ON:		OFF:	√	6 ft	PW-6	ON:	√	OFF:		5 ft
PW-3	ON:		OFF:	√	6 ft	PW-7	ON:	√	OFF:		4 ft
PW-4	ON:		OFF:	√	7 ft	PW-8	ON:	√	OFF:		18 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 10/13/10 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 14 gpm INFLUENT TOTALIZER READING: 2,291,567.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 22 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 37 gallons

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

	Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT: 0	0 psi	RIGHT:	8	0 psi

INFLUENT FEED PUMP IN USE: #1 √ #2 ____ *INFLUENT PUMP PRESSURE:* 14 psi

AIR STRIPPER BLOWER IN USE: #1 ____ #2 √ *AIR STRIPPER PRESSURE:* 10.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.027 in. H_2O *DISCHARGE PRESSURE:* 3.5 in. H_2O

EFFLUENT PUMP IN USE: #1 ____ #2 √ *EFFLUENT FEED PUMP PRESSURE:* 7.5 psi

EFFLUENT FLOW RATE: 114 gpm *EFFLUENT TOTALIZER READING:* 61,617,777 | 914630 gallons

ARE BUILDING HEATERS IN USE? YES: ____ NO: √ *INSIDE TEMPERATURE (°F):* 64

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

30-Nov-10

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:

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

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

Remarks:

Other Actions:

AGWAY

SYSTEM VACUUM: _____ **in. H_2O** ***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 because of air compressor breakdown.

Other Actions:

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

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 10-Nov-10 **Measurements taken by:** R. Allen

RW-1	16.00 ft	Comments:		PW-5	10.90 ft	Comments:	
PZ-1A	11.78 ft	Comments:		PZ-5A	11.11 ft	Comments:	
PZ-1B	11.43 ft	Comments:		PZ-5B	11.14 ft	Comments:	
PZ-1C	12.67 ft	Comments:		PZ-5C	10.75 ft	Comments:	
PZ-1D	12.80 ft	Comments:		PZ-5D	11.40 ft	Comments:	
PW-2	20.10 ft	Comments:		PW-6	22.30 ft	Comments:	
PZ-2A	11.32 ft	Comments:		PZ-6A	12.05 ft	Comments:	
PZ-2B	11.67 ft	Comments:		PZ-6B	11.90 ft	Comments:	
PZ-2C	11.11 ft	Comments:		PZ-6C	12.05 ft	Comments:	
MW-7	11.69 ft	Comments:	Substitute for 2D	PZ-6D	11.80 ft	Comments:	Shown as RW-2 on map
PW-3	22.80 ft	Comments:		PW-7	16.70 ft	Comments:	
PZ-3A	11.82 ft	Comments:		MPI-6S	11.45 ft	Comments:	
PZ-3B	11.90 ft	Comments:		PZ-7B	11.93 ft	Comments:	
PZ-3C	12.36 ft	Comments:		OW-B	11.71 ft	Comments:	
PZ-3D	11.88 ft	Comments:		PZ-7D	11.52 ft	Comments:	
PW-4	----- ft	Comments:	sealed cover	PW-8	12.20 ft	Comments:	
PZ-4A	11.73 ft	Comments:		PZ-8A	8.57 ft	Comments:	
PZ-4B	11.31 ft	Comments:		PZ-8B	8.45 ft	Comments:	
PZ-4C	----- ft	Comments:	damaged	PZ-8C	8.06 ft	Comments:	
PZ-4D	10.85 ft	Comments:		PZ-8D	8.33 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

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

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 11/2010

DATE	ACTIVITY
2-Nov	OM&M Weekly Inspection/sampling and office work.
8-Nov	OM&M end of month summaries
9-Nov	OM&M Weekly Inspection. Swept spruce neddles from parking lot. Vacuum out Agway Shed. Take Air Stripper airflow measurements.
10-Nov	Piezometer Readings. Air Stripper readings and adjustment. Remove electric motor and pump from air compressor.
11-Nov	Get and deliver products for Treatment Room and Agway Shed. Take Air Stripper Readings. Take VOC samples.
15-Nov	OM&M office work.
16-Nov	OM&M Weekly Inspection
17-Nov	Bag filter change.
19-Nov	Accept Redux delivery. Switch Redux pickup to new drum.
21-Nov	OM&M office work
22-Nov	OM&M Weekly Inspection and office work.
29-Nov	OM&M office work
30-Nov	OM&M Weekly Inspection.

Mr. C's CLEANERS OM&M
SUMMARY OF FIELD ACTIVITIES BY IEG - 11/2010

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Champion Compressor not running	Diagnose problem to the electric motor. Remove and take to S&S Electric for repair. Motor is burned up and not worth repairing. Replaced motor.	Aug-10
Air Stripper readings are high	Clean air stripper trays: Brushed trays through access ports, pressure washed trays through ports.	Sep-10
Schedule Air Stripper Disassembly	Trays need to be periodically disassembled so that built up scale can be brushed off with power tools.	Oct-10
Repair holes in Air Stripper	The Air Stripper trays are corroded through in dozens of places. Some holes are near the rubber gaskets so as to make a welding repair impossible. Patch holes with J-B Weld.	Oct-10
PW-7 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	Oct-10
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	To be ordered
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.	in progress
Compressor Repair	Champion Machinery reveals compressor is a 1992 model. Compressor pump needs service, including a valve kit. New Electric motor had pulley problems. Replace motor and pulley.	in progress
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 Automatic Tank Drain Valve (ATDV)	Factory recommends rebuilding the ATDV on a compressor of this age. Order rebuild kit and repair. Have purchased rebuild kit.	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
Purge PW-5	Inspect, purge well, clean pump, plastic pipe and transducer. Trouble shoot problems.	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.	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
Repair Filter Basket	The handle loop on a filter basket broke. Weld handle back in place.	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
Repaired Filter Basket splits	An old bag filter basket that was repaired once has split open down its side. Order (2) more of the heavy duty filter baskets from Rosedale Products.	Nov-10
PW-8 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	in progress
Replace Air Stripper Exhaust	Present Air Stripper exhaust is very heavy and leaks moisture. Replace with lighter system.	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG

as of Nov 10

ID	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PIPE & PITLESS ADAPTER	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	May-10	Feb-08	May-10		May-10					
PW - 2	Aug 09, May 10	Jul-08			Aug 09, May 10	Sep-09		Aug-09		Sep-09
PW - 3	Aug 09, May 10	Jul-08		Repair adapter	Aug-09			Aug-09		
PW - 4	Sep 09, May 10	Dec-07	NEED		May-10			Jul 09, Sep 09	Sep-09	Sep-09
PW - 5		Jul-08			Sep-09		Sep-09			
PW - 6	Jul-09	Jun 08, Jul 09		Replace 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	Nov 07, Jul 09, Oct 10		Replace pipe 8/09	Aug 09, May 10, Oct 10			Au 09, May 10		
PW - 8	Aug 09, May 10	Jul 08, Sep 09		Replace pipe 8/09	Aug 09, May 10			Aug 09, May 10		

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2010

as of Nov 10

ID	NEEDS CLEANING & INSPECTION	NEEDS NEW PUMP	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	NEEDS HORIZONTAL LINE PURGE	NEEDS TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	CLEANED & INSPECTED U.E.	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	NEEDS REPAIR
RW - 1	NO	NO		YES		NO	NO		YES	NO	YES - bolts
PW - 2	NO	NO		**YES**		NO			**DONE 9/09**	NO	YES - bolts
PW - 3	NO	NO	**REPAIRED 8/09**	**DONE 8/09**		NO	NO		YES	NO	NO
PW - 4	NO	NO		**DONE 9/09**		**NO**		**YES 9/09**	**DONE 9/09**	DONE	YES - Asphalt patch
PW - 5	NO	NO		YES		**YES 7/09, Problem 11/09**	problems 1/09 and 11/09		DONE	NO	NO
PW - 6	NO	**DONE 8/09**	**Replaced pipe 8/09**	**DONE 8/09**		**YES 7/09**	NO	**YES 9/09**	**DONE 9/09**	NO	DONE
PW - 7	NO	**DONE 10/10**	**Replaced pipe 8/09**	**NO**	**DONE 10/10**	**NO**	NO		DONE	NO	NO
PW - 8	**YES**	**DONE 9/09**	**Replaced pipe 8/09**	**NO**	**YES**	**NO**	NO		YES	NO	NO

Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: J2253
Sampled: November 2, 2010
Received: November 12, 2010

REPORT NARRATIVE

Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client : Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: J2253

SW846 8260C

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: SW5030B_PR(METHOD)

V. INSTRUMENTATION

The following instrumentation was used to perform
Instrument Code: V2
Instrument Type: GCMS-VOA
Description: HP5890 II / HP5972
Manufacturer: Hewlett-Packard
Model: 5890 / 5972
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.

E. **Internal Standards:**

Internal standard peak areas were within the QC limits.

F. **Dilutions:**

Sample INFLUENT (J2253-01) was reanalyzed at a 10X dilution.

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 Mitkem, 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: Edward C. Jones

Date: 11/12/16

REPORT NARRATIVE

Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client : Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: J2253

SM 2340, SM 4500 H+

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 2340, SM 4500 H+

IV. PREPARATION

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

The following instrumentation was used to perform
Instrument Code: WC01
Instrument Type: Probe
Description: pH Meter
Manufacturer: Thermo Electron Corporation
Model: Orion 520A+

VI. ANALYSIS

A. **Calibration:**

Calibrations met the method/SOP acceptance criteria.

B. **Blanks:**

All method blanks were within the acceptance criteria.

C. **Duplicate sample:**

Relative percent differences were within the QC limits for pH analysis.

D. **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 Mitkem, 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: 11/12/10

Sample Transmittal Documentation

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: E & E, Inc
368 Pleasantview Dr
Lancaster, NY 14086

Telephone #: (716) 684-8060
Project Mgr. Mike Steffan

Invoice To: E & E, Inc

P.O. No.: _____ RQN: _____

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

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= _____ 10= _____ 11= _____

List preservative code below: 1 4 2

QA/QC Reporting Notes:
(check as needed)

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

G=Grab C=Composite

J2253 Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: pH	Hardness	VOC
01	INFLUENT	Nov 2, 2010	11:30 am	G	GW				1	✓		
01	INFLUENT			G	GW				1		✓	
01	INFLUENT			G	GW	2						✓
02	EFFLUENT			G	GW				1	✓		
02	EFFLUENT			G	GW				1		✓	
02	EFFLUENT			G	GW	2						✓

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☒ Other CAT A

State specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:	Temp°C
Richard C Allen Jr	Shirley NJ	11/3/10	11:35	5°C

☒ EDD Format PDF
☒ E-mail to msteffan@ene.com

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

J2253

MITKEM LABORATORIES
Sample Condition Form

Received By:	Reviewed By:	Date: 11/3/10	Mitkem Work Order #: J2253
Client Project: Mr. C Compliance		Client: E & E	

1) Cooler Sealed — (Yes) / No

2) Custody Seal(s) — (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) NA

4) Chain-of-Custody — (Present) / Absent

5) Cooler Temperature 5°C
IR Temp Gun ID MT-1
Coolant Condition ice

6) Airbill(s) — (Present) / Absent
Airbill Number(s) UPS
1ZFR872513977233920

7) Samples Bottles — (Intact) / Broken / Leaking

8) Date Received 11/3/10

9) Time Received 11:35

Preservative Name/Lot No.:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	H_3PO_4	VOA Matrix	Soil Headspace or Air Bubble ≥ 1/4"
J2253	01						H	
J2253	02						H	

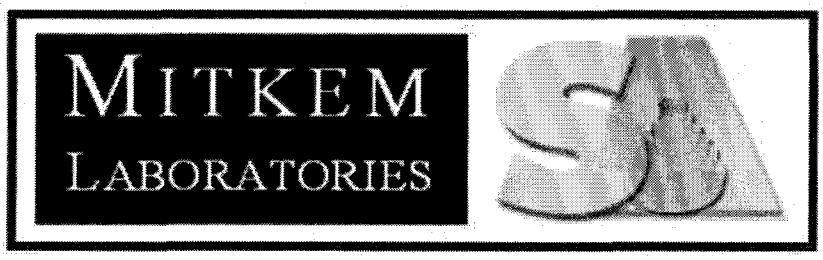
SW 11/3/10

VOA Matrix Key:

US = Unpreserved Soil	A = Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form yes (no)

Form ID: QAF.0006 Rad OK yes / no



* Volatiles *

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J2253 Mod. Ref No.: SDG No.: SJ2253

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2253-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L9308.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/03/2010

% Moisture: not dec. Date Analyzed: 11/04/2010

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: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
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	8.9	
75-34-3	1,1-Dichloroethane	5.0	U
78-93-3	2-Butanone	25	U
156-59-2	cis-1,2-Dichloroethene	29	
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	59	
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	1100	E
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: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J2253 Mod. Ref No.: SDG No.: SJ2253

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2253-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L9308.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/03/2010

% Moisture: not dec. Date Analyzed: 11/04/2010

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: (ug/L or ug/Kg) µG/L	Q
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: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J2253 Mod. Ref No.: SDG No.: SJ2253

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2253-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L9307.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/03/2010

% Moisture: not dec. Date Analyzed: 11/04/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	2.2	
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.9	
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	3.0	
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	41	
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: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J2253 Mod. Ref No.: SDG No.: SJ2253

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2253-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L9307.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/03/2010

% Moisture: not dec. Date Analyzed: 11/04/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
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

* Wet Chemistry *

Mitkem Laboratories

Date: *08-Nov-10*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: INFLUENT
Lab ID: J2253-01
Project: Mr. C's Dry Cleaning
Collection Date: 11/02/10 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	520		4.0	mg/L CaCO3	1	11/06/2010 14:13	55356
SM 4500 H+ B -- pH VALUE							**SM4500_H+**
pH	6.9		1.0	S.U.	1	11/03/2010 14:10	R53470

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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

Mitkem Laboratories

Date: *08-Nov-10*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: J2253-02
Project: Mr. C's Dry Cleaning
Collection Date: 11/02/10 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	530		4.0	mg/L CaCO3	1	11/06/2010 14:16	55356
SM 4500 H+ B -- pH VALUE							**SM4500_H+**
pH	7.7		1.0	S.U.	1	11/03/2010 14:15	R53470

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Attachment C
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: J2343
Sampled: November 10, 2010
Received: November 29, 2010

REPORT NARRATIVE

Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client : Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: J2343

SW846 8260C

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: SW5030B_PR(METHOD)

V. INSTRUMENTATION

The following instrumentation was used to perform
Instrument Code: V10
Instrument Type: GCMS-VOA
Description: HP7890A
Manufacturer: Agilent
Model: 7890A / 5975C
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. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

F. Internal Standards:

Internal standard peak areas were within the QC limits.

G. Dilutions:

The following sample was analyzed at dilution:

INFLUENT (J2343-01A): Dilution Factor: 10.

H. 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 Mitkem, 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: Agnes R Huntley

Date: Nov. 29, 2010

Sample Transmittal Documentation

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: E & E, Inc
368 Pleasantview Dr
Lancaster, NY 14086

Telephone #: (716) 684-8060
Project Mgr. Mike Steffan

Invoice To: E & E, Inc

P.O. No.: _____ RQN: _____

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

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=_____ 10=_____ 11=_____

List preservative code below: 2

QA/QC Reporting Notes: (check as needed)

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

G=Grab C=Composite

Lab Id: J2343	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs
01	INFLUENT	Nov 11, 2010	1:00 PM	G	GW	2				✓
02	EFFLUENT	Nov 11, 2010	1:00 PM	G	GW	2				✓

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☒ Other CAT A

State specific reporting standards:
_____

Return cooler to Iye Environmental Group with new sample set.

Relinquished by:	Received by:	Date:	Time:	Temp°C
Richard C Allen Jr				
~~East EX~~ UPS		11/12/10	0941	10.5 6.0°C

☒ EDD Format PDF
☒ E-mail to msteffan@ene.com
SR 11/12/10

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp 10 °C SR 11/12/10 ☐ Freezer temp ___ °C

SR 11/12/10

MITKEM LABORATORIES
Sample Condition Form

Page 1 of 1

Received By: SN	Reviewed By: SR	Date: 11/12/10	Mitkem Work Order #: J2342		
Client Project: Mr. C Compliance		Client: E & E			

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	H_3PO_4	VOA Matrix	Soil Headspace or Air Bubble ≥ 1/4"
J2343	01						H	
J2343	02						H	

1) Cooler Sealed — (Yes) / No

2) Custody Seal(s) — (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody — (Present) / Absent

5) Cooler Temperature 6 °C
IR Temp Gun ID MT-1
Coolant Condition Ice

6) Airbill(s) — (Present) / Absent
Airbill Number(s) UPS
1ZFR8725019767
4333
—

7) Samples Bottles — (Intact) / Broken / Leaking

8) Date Received 11/12/10

9) Time Received 9:41

11/12/10 SN

Preservative Name/Lot No.:

VOA Matrix Key:

US = Unpreserved Soil	A = Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

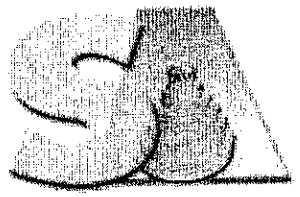
Rad OK yes / no

Form ID: QAF.0006

Y:\Controlled Forms\QAF.0006 sample condition form

0006

MITKEM LABORATORIES



* Volatiles *

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J2343 Mod. Ref No.: SDG No.: SJ2343

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2343-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A0255.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/12/2010

% Moisture: not dec. Date Analyzed: 11/17/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
75-09-2	Methylene chloride	12	
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	9.9	J
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	50	U
156-59-2	cis-1,2-Dichloroethene	30	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
107-06-2	1,2-Dichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	48	
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	850	
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.: J2343

Mod. Ref No.: SDG No.: SJ2343

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: J2343-01A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V8A0255.D

Level: (TRACE/LOW/MED) LOW

Date Received: 11/12/2010

% Moisture: not dec.

Date Analyzed: 11/17/2010

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 10.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
110-82-7	Cyclohexane	10	U
79-20-9	Methyl acetate	10	U
108-87-2	Methylcyclohexane	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J2343 Mod. Ref No.: SDG No.: SJ2343

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2343-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8A0254.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/12/2010

% Moisture: not dec. Date Analyzed: 11/17/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
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	1.5	
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	0.57	J
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethene	0.61	J
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	7.6	
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

SW846

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.: J2343

Mod. Ref No.: SDG No.: SJ2343

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: J2343-02A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V8A0254.D

Level: (TRACE/LOW/MED) LOW

Date Received: 11/12/2010

% Moisture: not dec.

Date Analyzed: 11/17/2010

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

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

Attachment D
Summary of Site Utility Costs and Projections
January to December 2010

ATTACHMENT D

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

NYSDEC Work Assignment #DC13.02.01.01

12 Months of System Operation and Maintenance

November 2010 Report

Utility Budget:

Electric:	$25,800.00
Telephone:	$540.00
Gas	$720.00
Total:	$27,060.00

Gas, Telephone, and Electric

Utility Provider	Account #	E&E Cost Center	Description	Jan-2010	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010
New York State E&G	06-311-11-002616-26	002700.DC13.02.01	Mr. C's Electric Costs	$672.56	$ 613.69	$ 599.67	$ 878.92	$ 996.65	$ 870.21
New York State E&G	76-311-11-015900-18		Agway Site - Electric		$ 525.65		$445.56		$497.79
National Fuel Gas	5819628-05	002700.DC13.02.01	Mr. C's Natural Gas Costs	$168.02	$ 115.66	$ 107.95		$ 75.26	
			Totals	$ 840.58	$ 1,255.00	$ 707.62	$ 1,324.48	$ 1,071.91	$ 1,368.00

	Jul-2010	Aug-2010	Sep-2010	Oct-2010	Nov-2010	Dec-2010	Ave. /Month
Mr. C's Electric Costs	$755.21	$ 672.80	$ 714.89	$ 746.19			$ 752.08
Agway Electric		$367.86		$368.48			$ 220.53
Mr. C's Natural Gas Costs	$8.73	$ 18.59	$ 25.19	$ 17.84	$ 71.09		$ 67.59
Totals	$763.94	$ 1,059.25	$ 740.08	$ 1,132.51	$ 71.09	$ -	$ 1,040.21

Electric	$9,726.13
Natural Gas	$ 608.33
Grand Total - NYSE&G/National Fuel Gas Costs To Date	$ 10,334.46

Overbilled natural gas costs - no charges

Estimated Reading $ 333.44 in red -adjusted billing

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2010	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010
Verizon	716-652-0094	002700.DC13.02.01	Mr. C's Telephone Costs	$ 30.04	$ 30.19	$ 30.19	$ 30.22	$ 30.29	$ 31.55
Account#									
716 652 0094 416 26 2									

	Jul-2010	Aug-2010	Sep-2010	Oct-2010	Nov-2010	Dec-2010	Ave./Month
	$ 33.34	$ 44.13	$ 30.16				$ 32.23

Grand Total - Verizon Costs to Date	$ 290.11
Grand Total All Utilities To Date	**$ 10,624.57**

ATTACHMENT D

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

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

November 2010 Report

	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:
January-10	648	648	100.00%	21.4%	Cold January
February-10	696	696	100.00%	20.7%	Cold February
March-10	672	672	100.00%	15.6%	No snow and little rain in March
April-10	672	672	100.00%	7.3%	Problems with RW- 1 pump
May-10	864	816	94.44%	8.5%	
June-10	816	816	100.00%	7.0%	Dry month
July-10	696	696	100.00%	13.8%	Problem with Pump PW-7
August-10	816	816	100.00%	13.2%	Air Stripper issues
September-10	504	504	100.00%	12.5%	Stripper in process for teardown and cleaning
October-10	840	792	94.29%	13.5%	Air Stripper teardown and cleaning.
November-10	672	672	100.00%	14.4%	Air Stripper adjustments
December-10			#DIV/0!		
Totals to Date	**7896**	**7800**	**98.78%**		

* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 9/02. Evaluated on total gallonsdischargedfor 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.

Budget Remaining:

Electric:	$16,073.87
Telephone:	$540.00
Gas	$111.67
Total:	$16,725.54

Total Gallons
453855

Monthly Average Costs

Mr. C's Electric	$	752.08			
Agway Electric	$	220.53			
Mr. C's Gas	$	67.59			
Mr. C's Telephone	$	32.23			
Ave. Utility Cost Total	$	1,072.44	times	12 month Estimate	$13,941.72