ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER
368 Pleasant View Drive, Lancaster, New York 14086
Tel: 716/684-8060, Fax: 716/684-0844

September 10, 2010

Mr. William Welling PE, 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
August 2010 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the August 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) on August 27, 2010 are provided as Attachment B. A second set of analyses were taken due to high effluent results above the compliance limits in the SPDES Equivalency Permit. The results from September 8, 2010 are provided as Attachment C. The second set of analyses continued to show effluent levels and the determination has been made to shutdown the Mr. C's treatment system and completely dismantle and clean the air stripper in September 2010. The full analytical reports from both analyses 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 August 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 8/4, 8/10, 8/17, 8/23, 8/30, and 9/7.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100.00% operational up-time (Table 1) for August 2010 and the treatment of contaminated groundwater totaling of 503,999 gallons (Table 2).
- The analytical samples for the monthly compliance were taken on August 10, 2010. The sampling results were received by EEEPC on August 27, 2010. The results indicated levels of contaminant above the SPDES Discharge Equivalency permit. Additional cleaning of the air stripper was performed on August 30-31 and a second round of influent / effluent samples was taken on August 31, 2010.

- Excerpts from the Analytical Data package for the August 10, 2010 sampling event are presented in Attachment B.
- A review of the August 10, 2010 analytical data revealed the influent concentration to be 858.1 ug/L or 858.1 ppb, and 129.9 ug/L or 129.9 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the August 10, 2010 sampling event is presented in Table 4a.
- The second round of samples was taken after cleaning the air stripper unit on August 30-31, 2010 is presented in Attachment C.
- The review of the August 31, 2010 analytical data (after cleaning) revealed the influent concentration to be 859.4 ug/L or 859.4 ppb, and 106.7 ug/L or 106.7 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the August 31, 2010 sampling event is presented in Table 4b.
- Overall cleanup efficiency for the contaminants of concern at the site during the reporting period 8/4/10 to 9/7/10 was approximately 84% to 87%.
- The air stripper unit on the Mr. C's property was non-compliant with NYSDEC effluent discharge requirements on the August 10, 2010 sampling event, with a PCE effluent concentration of 110 ug/L or 110 ppb. The permitted limit for PCE effluent concentrations is 10 ug/L or 10 ppb. Process influent and effluent waters were re-sampled on August 31, 2010. The air stripper unit continued to be noncompliant, with a PCE effluent concentration of 91 ug/L or 91 ppb.
- A review of the analytical data from the August 31, 2010 sampling event revealed the similar influent and effluent concentrations to the August 10, 2010 sampling event. The summary of influent and effluent contaminant concentrations for the August 31, 2010 sampling event is presented in Table 4b. Excerpts from the Analytical Data package for the August 31, 2010 sampling event are presented in Attachment C.
- 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 August 2010 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 3.06 lbs of targeted contaminants from the groundwater below the site in the month of August 2010. The calculations and data for the month and entire year of 2010 are presented in Table 5.

Based on analytical results from the August 10, 2010 and August 30, 2010 sampling events, the Mr. C's treatment system is out of compliance with the SPDES Equivalency permitted limits for Tetrachloroethene (PCE). The issue is thought to be the occlusion of the orifices on the multiple trays within the air stripper from iron and calcium buildup. IEG has taken initial action to power washing the air stripper trays on August 30-31, 21010 with limited success. The next corrective action effort that is planned is the complete teardown and cleaning of the individual trays of the air stripper unit during the third week of September 2010. This action is not immediately feasible, because IEG must wait for the shipment of individual tray gaskets that must be replaced before reconstructing the air stripper. IEG will also be asked to examine the effluent pipe for buildup that will also be cleaned if present. After cleaning and repair another sampling event is planned.

Agway Site Remedial Information

- System has been off while the compressor has been in the shop.

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

- No current operational issues.

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

If you have questions regarding the August 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 2010		
October 2010		
November 2010		
December 2010		
Total Hours from System Startup '2/02'	**67,824.50**	
Average Operational Up-time from startup =		**96.25%**
Average Operational Up-time for 2010 =		**99.18%**

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]	6/2/2010 - 7/6/2010	268,627
July 2010[3]	7/6/2010 - 8/4/2010	450,503
August 2010[3]	8/4/2010 - 9/7/2010	503,999
September 2010[3]		
October 2010[3]		
November 2010[3]		
December 2010[3]		
Total Gallons Treated in 2010		**3,586,182**
Total Gallons Treated To Date:		**112,595,339**

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	August 10, 2010 Effluent Analytical Values - Compliance	August 31, 2010 Effluent Analytical Values - Compliance
Flow		gpd	14,823.50	14,823.50
pH	6.0 - 9.0	standard units	7.70	7.80
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	6.6	3.9
Trichloroethene	10	µg/L	6.5	6.3
Tetrachloroethene	10	µg/L	110	91
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	6.8	4.7
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)	0.82 J
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	540	470
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 August 4, 2010 through September 7, 2010. Total gallons: 503,999 divided by 34 operating days (816 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 4a
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
August 2010 VOC Analytical Summary

Compound	Based on the 8/10/10 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	22.0		6.6		70.00%
Methylene chloride	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	7.1	J	6.8		4.23%
Tetrachloroethene	790.0		110		86.08%
Toluene	ND (<10.0)	U	ND (<1.0)	U	NA
Trichloroethene	39.0		6.5		83.33%
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
August 10, 2010 TOTALs (in ug/L) =	**858.1**		**129.90**		**84.86%**

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 4b
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
August 31, 2010 VOC Supplemental Analytical Summary

Compound	Based on the 8/31/10 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	21.0		3.9		81.43%
Methylene chloride	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	9.4	J	4.7		50.00%
Tetrachloroethene	790.0		91		88.48%
Toluene	ND (<10.0)	U	ND (<1.0)	U	NA
Trichloroethene	39.0		6.3		83.85%
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
August 30, 2010 TOTALs (in ug/L) =	**859.4**		**105.90**		**87.68%**

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				
October 2010				
November 2010				
December 2010				
Total pounds of VOCs removed from inception to August 2010 =				**1,466.76**
Total pounds of VOCs removed in 2010 =				**31.46**

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
August 2010

Including:

8/4/10

8/10/10

8/17/10

8/23/10

8/30/10

9/7/10

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

DATE: 4-Aug-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Sunny, warm OUTSIDE TEMPERATURE (°F): 80

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

PW-7 remains ON at level 11.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF: √	6 ft	PW-5	ON:		OFF: √	7 ft
PW-2	ON:		OFF: √	6 ft	PW-6	ON:		OFF: √	6 ft
PW-3	ON: √		OFF:	5 ft	PW-7	ON: √		OFF:	11 ft
PW-4	ON:		OFF: √	5 ft	PW-8	ON: √		OFF:	6 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 7/12/10 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 20 gpm INFLUENT TOTALIZER READING: 9,326,714.0 gallons

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

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	8	0	psi	RIGHT:	15	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 √ #2 AIR STRIPPER PRESSURE: 40.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.022 in. H_2O DISCHARGE PRESSURE: 0.5 in. H_2O

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

EFFLUENT FLOW RATE: 104 gpm EFFLUENT TOTALIZER READING: 59,859,704 | 132720 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ INSIDE TEMPERATURE (°F): 90

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

4-Aug-10

SAMPLES COLLECTED? YES: √ NO: _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	10:30am	7.52	8.14	22	2800
AIR STRIPPER EFFLUENT:	EFF	10:30am	8.24	7.38	22.0	2746

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: √

The library driveway and parking lot was sealed

The Library driveway and parking lot was sealed

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

Remarks: Switched Redux pickup to new drum. Have (1) full drum left

Reset Jesco Pump to: Left 2.1; Right 1.2

Other Actions: Changed bag filters; round bottom basket had torn filter.

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 because of faulty compressor motor - at repair shop

Other Actions:

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

DATE: 10-Aug-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Cloudy to partly cloudy, warm OUTSIDE TEMPERATURE (°F): 78

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

PW-7 remains ON at a steady level of 10.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF:	√	8 ft	PW-5	ON:		OFF: √ 5 ft
PW-2	ON:		OFF:	√	5 ft	PW-6	ON:		OFF: √ 5 ft
PW-3	ON:	√	OFF:		3 ft	PW-7	ON:	√	OFF: 10 ft
PW-4	ON:		OFF:	√	5 ft	PW-8	ON:		OFF: √ 5 ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 7/12/10 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 25 gpm INFLUENT TOTALIZER READING: 9,484,478.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 22 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 37.4 gallons

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 2.0 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: 40.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.023 in. H_2O DISCHARGE PRESSURE: 0.5 in. H_2O

EFFLUENT PUMP IN USE: #1 #2 √ EFFLUENT FEED PUMP PRESSURE: 9.0 psi

EFFLUENT FLOW RATE: 104 gpm EFFLUENT TOTALIZER READING: 59,952,875 | 266040 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ INSIDE TEMPERATURE (°F): 93

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

10-Aug-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: Treatment Room inside measurements: 18' x 40'

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: Agway Shed system is OFF do to maintenance problem.

Other Actions:

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

DATE: 17-Aug-10 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: Caroll Plumbing

WEATHER CONDITIONS: Sunny, warm OUTSIDE TEMPERATURE (°F): 75

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

PW-7 remains ON and reads a constant level 11.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

EQUALIZATION TANK: ft Last Alarm D/T/Condition: 7/12/10 Air Stripper low level

NOTES:

INFLUENT FLOW RATE: 45 gpm INFLUENT TOTALIZER READING: 9,659,218.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 16 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 27 gallons

SEQUESTERING AGENT FEED RATE: 6.0 ml/min METERING PUMP PRESSURE: 2.0 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: 41.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.024 in. H_2O DISCHARGE PRESSURE: 0.5 in. H_2O

EFFLUENT PUMP IN USE: #1 #2 √ EFFLUENT FEED PUMP PRESSURE: 7.0 psi

EFFLUENT FLOW RATE: 114 gpm EFFLUENT TOTALIZER READING: 60,055,957 | 329570 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ INSIDE TEMPERATURE (°F): 92

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

17-Aug-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:

Other Actions:

AGWAY

SYSTEM VACUUM: -21 in. H_2O *AIR PRESSURE:* 110 psi

SP-1:	3.0	scfm	26.0 psi	SP-5	0.0	scfm	29.0 psi
SP-2:	0.0	scfm	> 30 psi	SP-6	0.0	scfm	> 30 psi
SP-3:	0.0	scfm	> 30 psi	SP-7	0.0	scfm	> 30 psi
SP-4:	0.0	scfm	> 30 psi	SP-8	0.0	scfm	> 30 psi

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

Remarks: System is OFF due to maintenance problem.

Other Actions: Installed new motor and belts (Aug 19). Turned system ON.

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

DATE: 23-Aug-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Cloudy rain, warm OUTSIDE TEMPERATURE (°F): 65

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

PW-7 remains ON at a steady level 11.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF: √	6 ft	PW-5	ON:		OFF: √	4 ft
PW-2	ON:		OFF: √	6 ft	PW-6	ON:		OFF: √	5 ft
PW-3	ON:		OFF: √	4 ft	PW-7	ON: √		OFF:	11 ft
PW-4	ON:		OFF: √	7 ft	PW-8	ON:		OFF: √	8 ft

EQUALIZATION TANK: 5 ft Last Alarm D/T/Condition: 7/12/10 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 8 gpm INFLUENT TOTALIZER READING: 9,807,885.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 10 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 17 gallons

SEQUESTERING AGENT FEED RATE: 7.0 ml/min METERING PUMP PRESSURE: 3.0 psi

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	20	0	psi	RIGHT:	10	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 √ #2 AIR STRIPPER PRESSURE: 41.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.022 in. H_2O DISCHARGE PRESSURE: 0.5 in. H_2O

EFFLUENT PUMP IN USE: #1 #2 √ EFFLUENT FEED PUMP PRESSURE: 9.0 psi

EFFLUENT FLOW RATE: 109 gpm EFFLUENT TOTALIZER READING: 6,014,416 | 418030 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ INSIDE TEMPERATURE (°F): 86

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

23-Aug-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:

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

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

Remarks: Turned Jesko pump down slightly to: Left 2.1; Right 1.0.

Village of East Aurora requests backflow prevention device test.

Other Actions: Emptied old Redux drum into present drum. Have (1) partial drum.

Changed bag filters.

Set aside non working well pump for E&E, Inc.

AGWAY

SYSTEM VACUUM: -21 in. H_2O *AIR PRESSURE:* 115 psi

SP-1:	0.0	scfm 27.0	psi	SP-5	0.0	scfm 28.5	psi
SP-2:	0.0	scfm > 30	psi	SP-6	0.0	scfm > 30	psi
SP-3:	0.0	scfm 30.0	psi	SP-7	0.0	scfm > 30	psi
SP-4:	0.0	scfm > 30	psi	SP-8	0.0	scfm > 30	psi

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

Remarks: SVE vacuum drum is dry.

Other Actions:

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

DATE: 30-Aug-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Sunny, hot OUTSIDE TEMPERATURE (°F): 87

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

PW-7 and PW-8 remain ON and do not cycle down.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF: √	6 ft	PW-5	ON:		OFF: √	7 ft
PW-2	ON:		OFF: √	6 ft	PW-6	ON:		OFF: √	6 ft
PW-3	ON:		OFF: √	4 ft	PW-7	ON:	√	OFF:	11 ft
PW-4	ON:		OFF: √	6 ft	PW-8	ON:	√	OFF:	4 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 8/30/10 Air Stripper Low Air Pressure

NOTES:

INFLUENT FLOW RATE: 14 gpm INFLUENT TOTALIZER READING: 9,988,475.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 4 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 6.8 gallons

SEQUESTERING AGENT FEED RATE: 7.0 ml/min METERING PUMP PRESSURE: 3.0 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: 14 psi

AIR STRIPPER BLOWER IN USE: #1 #2 √ AIR STRIPPER PRESSURE: 38.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.022 in. H_2O DISCHARGE PRESSURE: 0.4 in. H_2O

EFFLUENT PUMP IN USE: #1 #2 √ EFFLUENT FEED PUMP PRESSURE: 6.0 psi

EFFLUENT FLOW RATE: 110 gpm EFFLUENT TOTALIZER READING: 60,249,676 | 523710 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ INSIDE TEMPERATURE (°F): 94

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

30-Aug-10

SAMPLES COLLECTED? YES: √ NO: _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	4:00 PM	7.53	8.18	20.1	2670
AIR STRIPPER EFFLUENT:	EFF	4:00 PM	8.35	8.66	21.5	2699

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:

Other Actions: Added 1/2 of spare Redux can to deep drum from running out.

Switched Blowers from #1 to #2. Adjust Equalization Tank to levels 5 - 3.

A. DuiePYLE delivered (3) Redux drums.

AGWAY

SYSTEM VACUUM: -21 in. H_2O *AIR PRESSURE:* 115 psi

SP-1:	1.2 scfm	25.5 psi		SP-5	0.0 scfm	28.0 psi	
SP-2:	0.0 scfm	> 30 psi		SP-6	0.0 scfm	30.0 psi	
SP-3:	0.0 scfm	> 30 psi		SP-7	0.0 scfm	> 30 psi	
SP-4:	0.0 scfm	> 30 psi		SP-8	0.0 scfm	> 30 psi	

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

Remarks: SVE vacuum drum is dry.

Other Actions:

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

DATE: 7-Sep-10 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL:

WEATHER CONDITIONS: Sunny, hot OUTSIDE TEMPERATURE (°F): 85

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

PW-7 remains ON at a steady level 11.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	7 ft	PW-5	ON:	OFF: √	6 ft
PW-2	ON:	OFF: √	5 ft	PW-6	ON:	OFF: √	4 ft
PW-3	ON:	OFF: √	5 ft	PW-7	ON: √	OFF:	11 ft
PW-4	ON:	OFF: √	6 ft	PW-8	ON: √	OFF:	4 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 8/30/10 Air Stripper Low Air Pressure

NOTES:

INFLUENT FLOW RATE: 35 gpm INFLUENT TOTALIZER READING: 181,930.0 gallons

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

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

	Top	Bottom		Top	Bottom
BAG FILTER PRESSURES: LEFT:	0	0 psi	RIGHT:	20	0 psi

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

AIR STRIPPER BLOWER IN USE: #1 #2 √ AIR STRIPPER PRESSURE: 38.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.02 in. H_2O DISCHARGE PRESSURE: 0.4 in. H_2O

EFFLUENT PUMP IN USE: #1 #2 √ EFFLUENT FEED PUMP PRESSURE: 7.0 psi

EFFLUENT FLOW RATE: 110 gpm EFFLUENT TOTALIZER READING: 60,363,703 | 638300 gallons

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

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

7-Sep-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: Increased Jesco pump slightly to: Left 2.1; Right 1.2.

Other Actions:

AGWAY

SYSTEM VACUUM: -21 in. H_2O *AIR PRESSURE:* 105 psi

SP-1:	8.2	scfm	16.0 psi	SP-5	0.0	scfm	29.0 psi
SP-2:	0.0	scfm	13.0 psi	SP-6	0.0	scfm	> 30 psi
SP-3:	0.0	scfm	12.5 psi	SP-7	0.0	scfm	> 30 psi
SP-4:		scfm	13.0 psi	SP-8	0.0	scfm	> 30 psi

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

Remarks:

Other Actions:

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

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 8-Sep-10 **Measurements taken by:** R. Allen

RW-1	16.40 ft	Comments:	
PZ-1A	11.88 ft	Comments:	
PZ-1B	11.65 ft	Comments:	
PZ-1C	12.77 ft	Comments:	
PZ-1D	12.89 ft	Comments:	
PW-2	17.80 ft	Comments:	
PZ-2A	11.41 ft	Comments:	
PZ-2B	11.74 ft	Comments:	
PZ-2C	11.25 ft	Comments:	
MW-7	11.73 ft	Comments:	Substitute for 2D
PW-3	19.50 ft	Comments:	
PZ-3A	11.93 ft	Comments:	
PZ-3B	11.99 ft	Comments:	
PZ-3C	12.47 ft	Comments:	
PZ-3D	11.97 ft	Comments:	
PW-4	----- ft	Comments:	Cover is sealed
PZ-4A	12.13 ft	Comments:	
PZ-4B	11.40 ft	Comments:	
PZ-4C	----- ft	Comments:	Damaged
PZ-4D	10.94 ft	Comments:	

PW-5	13.30 ft	Comments:	
PZ-5A	10.99 ft	Comments:	
PZ-5B	11.28 ft	Comments:	
PZ-5C	10.85 ft	Comments:	
PZ-5D	11.53 ft	Comments:	
PW-6	22.50 ft	Comments:	
PZ-6A	12.05 ft	Comments:	
PZ-6B	12.89 ft	Comments:	
PZ-6C	12.12 ft	Comments:	
PZ-6D	11.81 ft	Comments:	Shown as RW-2 on map
PW-7	12.30 ft	Comments:	
MPI-6S	11.60 ft	Comments:	
PZ-7B	11.74 ft	Comments:	
OW-B	11.65 ft	Comments:	
PZ-7D	11.38 ft	Comments:	
PW-8	20.50 ft	Comments:	
PZ-8A	8.64 ft	Comments:	
PZ-8B	8.55 ft	Comments:	
PZ-8C	8.18 ft	Comments:	
PZ-8D	8.47 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 - 8/2010

DATE	ACTIVITY
2-Aug	OM&M office work
3-Aug	OM&M end of month summaries
4-Aug	OM&M Weekly Inspection and sampling. Changed bag filters.
10-Aug	OM&M Weekly Inspection and sampling. Took measurements of Treatment Room building.
12-Aug	Troubleshoot system
17-Aug	OM&M Weekly Inspection. Get new motor for Agway Shed.
18-Aug	Install new motor onto compressor. Go to Pooley Inc. to swap compressor belts.
19-Aug	Install new belts and wire motor on compressor.
23-Aug	OM&M Weekly Inspection
24-Aug	Changed bag filters. Piezometer Readings.
25-Aug	OM&M office work
26-Aug	Box and label nonworking well pump for E & E, Inc. Pour decanted filter change water down sump. Clean Treatment Room.
27-Aug	Adjusted Air Stripper
30-Aug	OM&M Weekly Inspection and sampling. Troubleshoot system. Switch Blower motor operation.
31-Aug	OM&M office work

Mr. C's CLEANERS OM&M
STATUS OF OM&M ACTIVITIES BY IEG

as of 08/31/10

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
RW-1 Replace Motor Starter	RW-1 motor starter developed problem and had to be rewired. Should get a spare motor starter in anticipation of further problems.	Jul-10
Repair PZ-4C	PZ-4C was damaged by a Town of Aurora snowplow. Top of inner ring and top cover were broken. Talked to Town and they placed a temporary cover inside the well to reduce the pedestrian tripping hazard. Ring and top cover should be replaced. If well is not to be used - cover with concrete or asphalt cap.	Jul-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
Service Compressor	Champion Machinery reveals compressor is a 1992 model. Compressor pump needs service, including a valve kit.	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
Restart System after May storm	Blower #2 causes breaker in Air Stripper Control Panel to trip. Switch system to Bloweer #1. Troubleshoot and repair Blower #2. Removed and repaired #2 motor.	Jul-10
Troubleshoot electrical overload	Alarm calls repeatedly indicate an electrical power overload. System usually continues to run normally. Troubleshoot the source of the alarm and repair. Reset temperature alarm.	Jul-10
Champion Compressor replace belts	Belts are loose and the adjustment is at the end of the tightening limit. Replace both belts.	Jul-10
Champion Compressor repair belt guard	The belt guard is loose and wiggles during operation. Add braces to guard.	Jul-10
Repair Filter Basket	The handle loop on a filter basket broke. Weld handle back in place.	in progress
Blower #1 - replace starter motor (contactor)	The contactor is defective for this motor. Replace the unit.	Jul-10
Blower #2 - replace starter motor (contactor)	The contactor is defective for this motor. Replace the unit.	Jul-10
Influent Pump #2 - replace starter	The contactor is defective for this motor. Replace the unit.	Jul-10
Fix Leak in Influent Pipe	A leak started in the Redux fitting in the Influent Pipe. Replace corroded fitting.	Jul-10
Sump pump pipe disconnects	The sump pump pipe was not cemented onto the fitting at the Equalization Tank. Cement the loose pipe back onto the fitting.	Jul-10
Champion Compressor Maintenance	Change oil and air filter.	Jul-10
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
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

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG

as of Aug 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	Jul 09, May 10	Nov 07, Jul 09		Replace pipe 8/09	Aug 09, May 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		

Attachment B
Analytical Report from Mitkem Laboratories

Analytical Data Package Work Order ID: J1577
Sampled: August 10, 2010
Analyzed: August 13, 2010

Analytical Data Package for Ecology & Environment Engineering, P.C. (EEEPC)

Client Project No.: Mr. C's Dry Cleaners Site (Compliance)

Mitkem Work Order ID: J1577

August 27, 2010

Prepared For:

Ecology & Environment Engineering P.C.
368 Pleasantview Drive
Lancaster, NY 14086
Attn: Mr. Michael Steffan

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

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: MrCs 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: — 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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: pH	hardness	VOC
J1577-01	INFLUENT	8/10/10	2:00 PM	G	GW				1	✓		
-02	INFLUENT		2:00 PM	G	GW				1		✓	
-01	INFLUENT		2:00 PM	G	GW	2						✓
-02	EFFLUENT		2:30 PM	G	GW				1	✓		
-02	EFFLUENT		2:30 PM	G	GW				1		✓	
J1577-02	EFFLUENT		2:30 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: _____

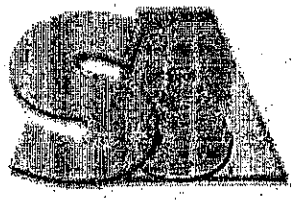
Relinquished by:	Received by:	Date:	Time:	Temp°C
Richard C Allen Jr	UPS			
UPS		8/11/10	9:30	4.0C

☐ EDD Format _____
☐ E-mail to _____

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

959

MITKEM LABORATORIES



* 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.: J1577 Mod. Ref No.: SDG No.: SJ1577

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1577-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L5850.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

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	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	7.1	J
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	50	U
156-59-2	cis-1,2-Dichloroethene	22	
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	39	
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	790	
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J1577 Mod. Ref No.: SDG No.: SJ1577

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1577-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L5850.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

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
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
110-82-7	Cyclohexane	10	U
79-20-9	Methyl acetate	10	U
108-87-2	Methylcyclohexane	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J1577 Mod. Ref No.: SDG No.: SJ1577

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1577-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L5849.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

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	6.8	
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	6.6	
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	6.5	
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	110	
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.: J1577 Mod. Ref No.: SDG No.: SJ1577

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1577-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L5849.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/11/2010

% Moisture: not dec. Date Analyzed: 08/13/2010

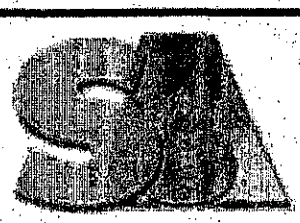
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

MITKEM
LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: *13-Aug-10*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: INFLUENT
Lab ID: J1577-01

Project: Mr. C's Dry Cleaning
Collection Date: 08/10/10 14:00

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	08/13/2010 9:59	53523
SM 4500 H+ B – pH VALUE							**SM4500_H+**
pH	7.1		1.0	S.U.	1	08/11/2010 10:55	R51375

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: *13-Aug-10*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: J1577-02

Project: Mr. C's Dry Cleaning
Collection Date: 08/10/10 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	540		4.0	mg/L CaCO3	1	08/13/2010 10:02	53523
SM 4500 H+ B -- pH VALUE							**SM4500_H+**
pH	7.7		1.0	S.U.	1	08/11/2010 11:01	R51375

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: J1693
Sampled: August 31, 2010
Analyzed: September 2, 2010

Analytical Data Package for Ecology & Environment Engineering, P.C. (EEEPC)

Client Project No.: Mr. C's Dry Cleaners Site (Compliance)

Mitkem Work Order ID: J1693

September 8, 2010

Prepared For:

Ecology & Environment Engineering P.C.
368 Pleasantview Drive
Lancaster, NY 14086
Attn: Mr. Michael Steffan

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

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: MrCs OM&M
Location: East Aurora State: NY
Sampler(s): R. Allen

1=$Na_2S_2O_3$ 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=_____

J1693

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers:	Analyses: pH	Hardness	VOC	
01	INFLUENT	8/30/10	4:30 PM	G	GW				1		✓			
01	INFLUENT		4:30PM	G	GW				1			✓		
01 CA08-80	INFLUENT		4:30 PM	G	GW	2							✓	
03	EFFLUENT		4:30 PM	G	GW				1		✓			
02	EFFLUENT		4:30 PM	G	GW				1			✓		
02	EFFLUENT		4:30 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: _____

Relinquished by:	Received by:	Date:	Time:	Temp °C
Richard C Allen Jr	[signature]	8/31/10	9:30 CA08-31-01	6.0°C

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

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

5555

MITKEM LABORATORIES

* 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.: J1693 Mod. Ref No.: SDG No.: SJ1693

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1693-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L6310.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/31/2010

% Moisture: not dec. Date Analyzed: 09/02/2010

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	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	9.4	J
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	50	U
156-59-2	cis-1,2-Dichloroethene	21	
67-66-3	Chloroform	5.0	J
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
107-06-2	1,2-Dichloroethane	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	39	
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	790	
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.: J1693

Mod. Ref No.: SDG No.: SJ1693

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: J1693-01A

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

Lab File ID: V1L6310.D

Level: (TRACE/LOW/MED) LOW

Date Received: 08/31/2010

% Moisture: not dec.

Date Analyzed: 09/02/2010

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
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
110-82-7	Cyclohexane	10	U
79-20-9	Methyl acetate	10	U
108-87-2	Methylcyclohexane	10	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J1693 Mod. Ref No.: SDG No.: SJ1693

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1693-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L6309.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/31/2010

% Moisture: not dec. Date Analyzed: 09/02/2010

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	4.7	
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	3.9	
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	6.3	
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	91	
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)	0.82	J

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J1693 Mod. Ref No.: SDG No.: SJ1693

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1693-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1L6309.D

Level: (TRACE/LOW/MED) LOW Date Received: 08/31/2010

% Moisture: not dec. Date Analyzed: 09/02/2010

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

MITKEM LABORATORIES

* Wet Chemistry *

Mitkem Laboratories

Date: *03-Sep-10*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: INFLUENT
Lab ID: J1693-01

Project: Mr. C's Dry Cleaning
Collection Date: 08/30/10 16:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	490		4.0	mg/L CaCO3	1	09/03/2010 11:11	53926
SM 4500 H+ B -- pH VALUE							**SM4500_H+**
pH	7.1		1.0	S.U.	1	08/31/2010 13:30	R51808

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: *03-Sep-10*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: J1693-02

Project: Mr. C's Dry Cleaning
Collection Date: 08/30/10 16:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	470		4.0	mg/L CaCO3	1	09/03/2010 11:14	53926
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.8		1.0	S.U.	1	08/31/2010 13:31	R51808

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

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

ATTACHMENT D

NYSDEC Work Assignment #DC13.02.01.01

12 Months of System Operation and Maintenance

August 2010 Report

Gas, Telephone, and Electric

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

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						$ 769.56
Agway Electric							$ 489.67
Mr. C's Natural Gas Costs	$8.73	$ 18.59					$ 82.37
Totals	**$763.94**	**$ 18.59**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,341.59**

Electric	**$6,855.91**
Natural Gas	**$ 494.21**

Overbilled natural gas costs - no charges

Grand Total - NYSE&G/National Fuel Gas Costs To Date **$ 7,350.12**

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						$ 30.83

Grand Total - Verizon Costs to Date **$ 215.82**

Grand Total All Utilities To Date **$ 7,565.94**

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

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

August 2010 Report

Budget Remaining:

Electric:	$18,944.09
Telephone:	$324.18
Gas	$225.79
Total:	$19,494.06

ATTACHMENT D

				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			#DIV/0!		
October-10			#DIV/0!		
November-10			#DIV/0!		
December-10			#DIV/0!		
Totals to Date	**5880**	**5832**	**99.18%**		

* 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.

Total Gallons

450503

Monthly Average Costs

Mr. C's Electric	$	769.56			
Agway Electric	$	489.67			
Mr. C's Gas	$	82.37			
Mr. C's Telephone	$	30.83			
Ave. Utility Cost Total	$	1,372.43	times	12 month Estimate	$17,841.53