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

May 7, 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
April 2010 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the April 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. (MTK) on April 28, 2010 are provided as Attachment B. 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 C.

In review of the on-site treatment system operations, monitoring and maintenance for April 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 3/30, 4/6, 4/12, 4/20, and 4/27/10.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100% operational up-time (Table 1) for April 2010 and the treatment of contaminated groundwater totaling of 228,188 gallons (Table 2). Problem and review of pumping location RW-1 being reviewed by IEG.
- The analytical samples for the monthly compliance were taken on April 8, 2010. The sampling results were received by EEEPC on April 28, 2010. Excerpts from the Analytical Data package for the April 8, 2010 sampling event are presented in Attachment B.
- Positive results for acetone, trichloroethene (TCE), tetrachloroethene (PCE), and methyl-t-butyl ether (MTBE) were observed in the effluent water sample from April 8, 2010; however, the results are still below the 10 ug/L daily maximum discharge criteria for TCE and PCE, while acetone and MTBE do not have an applicable discharge criterion. The air stripper unit on Mr. C's property is in

compliance and MTK continues to provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. Sub-contractor IEG has proposed to clean the treatment system to improve the remedial efficiency. The summary of Effluent Discharge Criteria & Analytical Compliance Results for April 2010 is presented in Table 3.

- A review of the analytical data revealed the influent concentration to be 1546.5 *u*g/L or 1546.5 ppb, and 7.2 *u*g/L or 7.2 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for April 2010 is presented in Table 4. Overall cleanup efficiency for the reporting period 3/30/10 to 4/27/10 was 99.53%.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 2.93 lbs of targeted contaminants from the groundwater below the site in the month of April 2010. The calculations and data for the month and entire year of 2010 are presented in Table 5.

The air stripper unit on Mr. C's property continues to be in compliance and provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. Based on analytical results for the April 8, 2010 sampling event, the Mr. C's treatment system continues to effectively remove targeted contaminants from the groundwater below the site in accordance with the SPDES Equivalency permit.

Agway Site Remedial Information

- No current operational issues.

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 April 2010 and year to date are provided as Attachment C.

If you have questions regarding the April 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%
May 2010		
June 2010		
July 2010		
August 2010		
September 2010		
October 2010		
November 2010		
December 2010		
Total Hours from System Startup '2/02'	**64,680.50**	
Average Operational Up-time from startup =		**96.15%**
Average Operational Up-time for 2010 =		**100.00%**

NOTES:

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

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

Month	Actual Period	Gallons
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]		
June 2010[3]		
July 2010[3]		
August 2010[3]		
September 2010[3]		
October 2010[3]		
November 2010[3]		
December 2010[3]		
Total Gallons Treated in 2010		**2,040,879**
Total Gallons Treated To Date:		**111,050,036**

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	April 8, 2010 Effluent Analytical Values - Compliance
Flow		gpd	8,149.57
pH	6.0 - 9.0	standard units	7.60
1,1 Dichloroethene	10	µg/L	ND(<1.0)
1,2 Dichloroethane	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	2.5
Tetrachloroethene	10	µg/L	4.7
Vinyl Chloride	10	µg/L	ND(<1.0)
Benzene	5	µg/L	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<1.0)
1,1,1 Trichloroethane	10	µg/L	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND(<1.0)
o-Xylene[3]	5	µg/L	NA
m, p-Xylene[3]	10	µg/L	NA
Total Xylenes	NA	ug/L	ND(<1.0)
Iron, total	600	µg/L	NA[9]
Aluminum	4,000	µg/L	NA[9]
Copper	48	µg/L	NA[9]
Lead	11	µg/L	NA[9]
Manganese	2,000	µg/L	NA[9]
Silver	100	µg/L	NA[9]
Vanadium	28	µg/L	NA[9]
Zinc	230	µg/L	NA[9]
Total Dissolved Solids	850	mg/L	NA[9]
Total Suspended Solids	20	mg/L	NA[9]
Hardness	N/A	mg/l	510
Cyanide, Free	10	µg/L	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 March 30, 2010 through April 27, 2010. Total gallons: 228,188 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
April 2010 VOC Analytical Summary

Compound	Based on the 4/8/10 Effluent Sampling Results				
	Influent Concentration* (ug/L)		Effluent Concentration* (ug/L)		Cleanup Efficiency** (%)
Acetone	ND (<50.0)	U	ND (<5.0)		100.00%
Benzene	6.5	J	ND (<1.0)	U	100.00%
2-Butanone	ND (<50.0)	U	ND (<5.0)	U	NA
cis-1, 2-Dichloroethene	40.0		ND (<1.0)	U	100.00%
Methylene chloride	ND (<10.0)	J	ND (<1.0)	U	100.00%
Methyl tert-butyl ether (MTBE)	15.0	J	ND (<1.0)	U	100.00%
Tetrachloroethene	1400.0		4.7		99.66%
Toluene	7.8	J	ND (<1.0)	U	NA
Trichloroethene	72.0		2.5		96.53%
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)		NA
Methylcyclohexane	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl acetate	ND (<10.0)	U	ND (<1.0)	U	NA
Total Xylenes	5.2	J	ND (<1.0)	U	100.00%
April 8, 2010 TOTALs (in ug/L) =	**1546.5**		**7.20**		**99.53%**

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

** Used 1/2 detection limit for influent concentration where influent concentration was non-detect, but effluent was not

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				
June 2010				
July 2010				
August 2010				
September 2010				
October 2010				
November 2010				
December 2010				
Total pounds of VOCs removed from inception to April 2010 =				**1,455.86**
Total pounds of VOCs removed in 2010 =				**20.56**

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
April 2010

Including:

3/30/10

4/6/10

4/12/10

4/20/10

4/27/10

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

DATE: 30-Mar-10 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL:

WEATHER CONDITIONS: Partly cloudy, cool OUTSIDE TEMPERATURE (°F): 35

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

PW-2 water level does not decrease.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	13 ft	PW-5	ON:	OFF: √	6 ft		
PW-2	ON: √	OFF:	15 ft	PW-6	ON:	OFF: √	7 ft		
PW-3	ON: √	OFF:	4 ft	PW-7	ON: √	OFF:	14 ft		
PW-4	ON:	OFF: √	5 ft	PW-8	ON:	OFF: √	5 ft		

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 3/18/10 Air Stripper Low Air Pressure

NOTES:

INFLUENT FLOW RATE: 19 gpm INFLUENT TOTALIZER READING: 7,261,079.0 gallons

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

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

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	35	0 psi	RIGHT:	38	0 psi

INFLUENT FEED PUMP IN USE: #1 #2 √ INFLUENT PUMP PRESSURE: 18 psi

AIR STRIPPER BLOWER IN USE: #1 #2 √ AIR STRIPPER PRESSURE: 43.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.015 in. H_2O DISCHARGE PRESSURE: 0.5 in. H_2O

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

EFFLUENT FLOW RATE: 89 gpm EFFLUENT TOTALIZER READING: 58,590,216 | 852640 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: INSIDE TEMPERATURE (°F): 70

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

30-Mar-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:

PZ-4C is damaged and patched over.

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

Remarks: Increased Jesco pump slightly to: Left 2.4; Right 1.3.

Other Actions: Removed vent cover in Treatment Room for the season.

Dug small trench around Library parking lot to prevent spruce needles from washing onto asphalt during rain storms.

Swept Library parking lot around well groups.

AGWAY

SYSTEM VACUUM: -23 in. H_2O *AIR PRESSURE:* 90 psi

SP-1:	9.6 scfm	4.0 psi		SP-5	0.0 scfm	28.5 psi	
SP-2:	0.0 scfm	23.5 psi		SP-6	1.2 scfm	> 30 psi	
SP-3:	0.0 scfm	21.0 psi		SP-7	0.0 scfm	> 30 psi	
SP-4:	0.0 scfm	22.0 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.

Parking lot around Agway shed was lightly graded. Several MWs were partly covered with sediment and gravel.

Other Actions:

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

DATE: 6-Apr-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Cloudy / rain, cool OUTSIDE TEMPERATURE (°F): 58

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

RW-1 and PW-7 - water level does not decrease on PanelView. Turned OFF RW-1 and PW-7.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	16 ft	PW-5	ON: √	OFF:	5 ft		
PW-2	ON: √	OFF:	5 ft	PW-6	ON:	OFF: √	3 ft		
PW-3	ON:	OFF: √	4 ft	PW-7	ON: √	OFF:	17 ft		
PW-4	ON: √	OFF:	6 ft	PW-8	ON:	OFF: √	7 ft		

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 3/18/10 Air Stripper Low Air Pressure

NOTES:

INFLUENT FLOW RATE: 14 gpm INFLUENT TOTALIZER READING: 7,434,966.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 11 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 19 gallons

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

	Top	Bottom		Top	Bottom	
BAG FILTER PRESSURES: LEFT:	37	0	psi	RIGHT: 42	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 #2 √ AIR STRIPPER PRESSURE: 42.0 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: 8.0 psi

EFFLUENT FLOW RATE: 89 gpm EFFLUENT TOTALIZER READING: 58,697,838 | 960560 gallons

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

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

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

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

6-Apr-10

SAMPLES COLLECTED? YES: √ NO: _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	11:00 AM	7.15	10.85	16.4	2724
AIR STRIPPER EFFLUENT:	EFF	11:00 AM	8.43	11.0	17.3	2722

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

WERE MANHOLES INSPECTED? YES: √ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: √ NO: _____

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

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

PZ-4C is damaged and patched over. Many MWs and UEs are covered with puddles from rain.

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

Remarks: Increased Jesco pump slightly to: Left 2.5; Right 1.4.

Other Actions: Cleaned Air Stripper through access ports (4/7/10).

Repaired ESI-3 cover and piezometer. Added piezometer cap.

AGWAY

SYSTEM VACUUM: -23 in. H_2O *AIR PRESSURE:* 40 psi

SP-1:	7.5	scfm 3.5	psi	SP-5	0.0	scfm	29.0 psi
SP-2:	0.0	scfm 10.0	psi	SP-6	1.2	scfm	> 30 psi
SP-3:	0.0	scfm 10.0	psi	SP-7	0.0	scfm	> 30 psi
SP-4:	0.0	scfm 10.5	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: 12-Apr-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Sunny, cool OUTSIDE TEMPERATURE (°F): 45

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

RW-1 and PW-7 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	19 ft	PW-5	ON: √	OFF:		3 ft
PW-2	ON: √	OFF:	10 ft	PW-6	ON:	OFF:	√	6 ft
PW-3	ON: √	OFF:	7 ft	PW-7	ON: √	OFF:		17 ft
PW-4	ON: √	OFF:	13 ft	PW-8	ON: √	OFF:		6 ft

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

NOTES: RW-1 and PW-7 read ON at PanelView despite being turned OFF

INFLUENT FLOW RATE: 10 gpm INFLUENT TOTALIZER READING: 7,629,699.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 6 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 10 gallons

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	42	0	psi	RIGHT:	45	0	psi

INFLUENT FEED PUMP IN USE: #1 ____ #2 √ INFLUENT PUMP PRESSURE: 18 psi

AIR STRIPPER BLOWER IN USE: #1 ____ #2 √ AIR STRIPPER PRESSURE: 17.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.05 in. H_2O DISCHARGE PRESSURE: 1.4 in. H_2O

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

EFFLUENT FLOW RATE: 88 gpm EFFLUENT TOTALIZER READING: 58,741,277 4680 gallons

ARE BUILDING HEATERS IN USE? YES: ____ NO: √ INSIDE TEMPERATURE (°F): 65

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

12-Apr-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:

PZ-4C is damaged and patched over.

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

Remarks: Increased Jesco pump slightly to: Left 2.5; Right 1.5.

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

Built rolling dolly for under desk to facilitate moving.

Switched Redux pickup to new drum. Have (2) full drums.

AGWAY

SYSTEM VACUUM: -23 in. H_2O *AIR PRESSURE:* 100 psi

SP-1:	9.5	scfm	4.0	psi	SP-5	0.0	scfm	29.0 psi
SP-2:	0.0	scfm	21.5	psi	SP-6	1.1	scfm	> 30 psi
SP-3:	0.0	scfm	20.5	psi	SP-7	0.0	scfm	> 30 psi
SP-4:	0.0	scfm	21.0	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: 20-Apr-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Sunny, warm OUTSIDE TEMPERATURE (°F): 56

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

RW-1 and PW-7 OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	19 ft	PW-5	ON: √	OFF:	3 ft		
PW-2	ON: √	OFF:	14 ft	PW-6	ON: √	OFF:	5 ft		
PW-3	ON: √	OFF:	10 ft	PW-7	ON: √	OFF:	16 ft		
PW-4	ON: √	OFF:	16 ft	PW-8	ON: √	OFF:	11 ft		

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

NOTES: Light is out on PanelView.

INFLUENT FLOW RATE: 6 gpm INFLUENT TOTALIZER READING: 7,581,040.0 gallons

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

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

	Top	Bottom		Top	Bottom	
BAG FILTER PRESSURES: LEFT:	44	0	psi	RIGHT: 47	0	psi

INFLUENT FEED PUMP IN USE: #1 ____ #2 √ INFLUENT PUMP PRESSURE: 18 psi

AIR STRIPPER BLOWER IN USE: #1 ____ #2 √ AIR STRIPPER PRESSURE: 19.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.05 in. H_2O DISCHARGE PRESSURE: 1.5 in. H_2O

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

EFFLUENT FLOW RATE: 90 gpm EFFLUENT TOTALIZER READING: 58,787,151 | 51630 gallons

ARE BUILDING HEATERS IN USE? YES: ____ NO: √ INSIDE TEMPERATURE (°F): 65

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

20-Apr-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:

PZ-4C is damaged and patched.

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

Remarks: Raised Jesco pump slightly to: Left 2.7; Right 1.5.

Other Actions:

AGWAY

SYSTEM VACUUM: -23 in. H_2O *AIR PRESSURE:* 100 psi

SP-1:	5.0	scfm	5.0 psi	SP-5	0.0	scfm	29.0 psi
SP-2:	0.0	scfm	30.0 psi	SP-6	0.0	scfm	> 30 psi
SP-3:	0.0	scfm	29.0 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: 27-Apr-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Partly cloudy, cool OUTSIDE TEMPERATURE (°F): 43

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

RW-1 and PW-7 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	19 ft	PW-5	ON: √	OFF:	10 ft
PW-2	ON: √	OFF:	14 ft	PW-6	ON: √	OFF:	3 ft
PW-3	ON: √	OFF:	8 ft	PW-7	ON: √	OFF:	16 ft
PW-4	ON: √	OFF:	14 ft	PW-8	ON: √	OFF:	10 ft

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

NOTES: Few pumps appear to be working properly

INFLUENT FLOW RATE: 5 gpm INFLUENT TOTALIZER READING: 7,632,712.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 20 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 34 gallons

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

	Top	Bottom		Top	Bottom
BAG FILTER PRESSURES: LEFT:	45	0 psi	RIGHT:	48	0 psi

INFLUENT FEED PUMP IN USE: #1 ____ #2 √ INFLUENT PUMP PRESSURE: 18 psi

AIR STRIPPER BLOWER IN USE: #1 ____ #2 √ AIR STRIPPER PRESSURE: 21.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.05 in. H_2O DISCHARGE PRESSURE: 1.4 in. H_2O

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

EFFLUENT FLOW RATE: 88 gpm EFFLUENT TOTALIZER READING: 58,818,404 | 83470 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: ____ INSIDE TEMPERATURE (°F): 65

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

27-Apr-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:

PZ-4C is damaged and partially patched.

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

Remarks: Turned up Jesco pump slightly to: Left 2.75; Right 1.5.

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

AGWAY

SYSTEM VACUUM: -23 in. H_2O *AIR PRESSURE:* 100 psi

SP-1:	4.5	scfm	7.5 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	29.5 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: PIEZOMETER WATER LEVEL LOG

Date: 29-Apr-10 **Measurements taken by:** R. Allen

RW-1	15.00 ft	Comments:	
PZ-1A	11.00 ft	Comments:	
PZ-1B	10.83 ft	Comments:	
PZ-1C	12.01 ft	Comments:	
PZ-1D	12.13 ft	Comments:	
PW-2	10.60 ft	Comments:	
PZ-2A	10.65 ft	Comments:	
PZ-2B	11.02 ft	Comments:	
PZ-2C	10.47 ft	Comments:	
MW-7	11.05 ft	Comments:	Substitute for 2D
PW-3	15.00 ft	Comments:	
PZ-3A	11.15 ft	Comments:	
PZ-3B	11.23 ft	Comments:	
PZ-3C	11.71 ft	Comments:	
PZ-3D	11.21 ft	Comments:	
PW-4	----- ft	Comments:	
PZ-4A	10.96 ft	Comments:	
PZ-4B	10.60 ft	Comments:	
PZ-4C	----- ft	Comments:	
PZ-4D	10.19 ft	Comments:	

PW-5	19.10 ft	Comments:	
PZ-5A	10.12 ft	Comments:	
PZ-5B	10.57 ft	Comments:	
PZ-5C	10.15 ft	Comments:	
PZ-5D	10.95 ft	Comments:	
PW-6	18.70 ft	Comments:	
PZ-6A	11.45 ft	Comments:	
PZ-6B	11.28 ft	Comments:	
PZ-6C	11.59 ft	Comments:	
PZ-6D	11.17 ft	Comments:	Shown as RW-2 on map
PW-7	10.70 ft	Comments:	
MPI-6S	10.98 ft	Comments:	
PZ-7B	1.10 ft	Comments:	
OW-B	11.02 ft	Comments:	
PZ-7D	10.73 ft	Comments:	
PW-8	13.10 ft	Comments:	
PZ-8A	7.97 ft	Comments:	
PZ-8B	7.88 ft	Comments:	
PZ-8C	7.36 ft	Comments:	
PZ-8D	7.77 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 - 4/2010

DATE	ACTIVITY
1-Apr	End of month summary.
6-Apr	OM&M Weekly Inspection and office work
7-Apr	Clean Air Stripper
8-Apr	Sampling. Repair ESI-3.
12-Apr	OM&M Weekly Inspection. Swept spruce needles off of parking lot around well groups.
15-Apr	Build rolling dolly for desk. Switch Redux pickup to new drum.
20-Apr	OM&M Weekly Inspection.
21-Apr	Office work
27-Apr	OM&M Weekly Inspection and office work.
29-Apr	Piezometer readings.

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

as of 04/30/10

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Do MW Damage Report	E & E, Inc has requested a damage report for all the MWs that are in the Monthly Piezometer Water Level Log. Inspect the MWs.	Nov-09
Repair Redux Line	The "T" fitting that joins the pickup line and measuring guage line to the Jesco pump has corroded apart. Replace "T" fitting and hose clamps.	Nov-09
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 the compressor is a 1992 model. Compressor pump should be serviced which includes a valve kit. The belts should also be adjusted.	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
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.	in progress
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.	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
Blower Motor / Fan #1 and #2 - obtain information	Record information on Air Stripper Blower Motors / Fans #1 and #2 in the Treatment Room. Obtain further information from the manufacturer.	Jan-10
SVE System Blower Motor/Fan - obtain info	Record information on Agway Shed SVE blower motor. Obtain further information from the manufacturer.	Jan-10
Add ball valves to Bag Filter Housing drain pipes	When changing bag filters, the housings must be drained. The drain pipe ball valves are near the housings and cannot be reached from the end of the pipes where the water is collected. Add ball valves near the ends of the drain pipes to ease the bag filter changing process.	in progress
MWs Inspect and Purge	RW-2,PW-2, PW-4, PW-7 and PW-8 hold a steady water levels on the PanelView. They do not appear to be cycling ON and OFF. Inspect and maintain as necessary.	in progress
Trench around Parking Lot	Spruce needles wash onto Library Parking Lot around groups PW-6 and PW-7 during rain storms. The needles wash into both pump wells and underground enclosures where they obstruct the flow of water in the pipes. Dig small trench around the entire back parking lot to reduce debris flow from surrounding lawns.	Mar-10
ESI-3 Repair	MW top cover will not close because piezometer pipe is too high. Piezometer cap is missing. Lower pipe and replace cap. Secure top cover properly.	Apr-10
Clean Air Stripper	Air Stripper pressure readings are high. Scrub trays through access ports with heavy steel brushes. Power wash trays after brushing.	Apr-10

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG

as of Apr 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		Feb-08								
PW - 2	Aug 09	Jul-08			Aug-09	Sep-09		Aug-09		Sep-09
PW - 3	Aug-09	Jul-08		Repair adapter	Aug-09			Aug-09		
PW - 4	Sep 09	Dec-07						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	Nov 07, Jul 09		Replace pipe 8/09	Aug-09			Aug-09		
PW - 8	Aug 09	Jul 08, Sep 09		Replace pipe 8/09	Aug-09			Aug-09		

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2010

as of Apr 10

ID	NEEDS CLEANING & INSPECTION	NEEDS NEW PUMP	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	NEEDS TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	CLEANED & INSPECTED U.E.	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	NEEDS REPAIR
RW - 1	YES	NO		YES	NO	NO		YES	NO	YES - bolts
PW - 2	YES	NO		**YES**	NO	**DONE 9/09**		**DONE 9/09**	NO	YES - bolts
PW - 3	YES	NO	**REPAIRED 8/09**	**DONE 8/09**	NO	NO		YES	NO	NO
PW - 4	**YES 9/09**	NO		**DONE 9/09**	**YES 9/09**	DONE	**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	YES	**DONE 8/09**	**Replaced pipe 8/09**	**DONE 8/09**	**YES 7/09**	NO		DONE	NO	NO
PW - 8	YES	**DONE 9/09**	**Replaced pipe 8/09**	**DONE 8/09**	**YES 7/09**	NO		YES	NO	NO

Attachment B
Analytical Report from Mitkem Laboratories

Analytical Data Package Work Order ID: J0686
Sampled: April 8, 2010
Analyzed: April 27, 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: J0686

April 28, 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

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to Ecology & Environment, Inc's Mr. C's Dry Cleaners (Compliance) project. Under this deliverable, analyses results are presented for two aqueous samples that were received on April 9, 2010. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A deliverable with the exception of hardness and pH. The analysis results for hardness and pH are presented in the standard Mitkem format.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

To meet specific project requirements, a 1ppb standard was analyzed in the initial calibration to achieve a lower reporting limit. All the target analytes, with the exception of the ketones have been reported to 1ppb. The ketones have been reported to 5 ppb.

Trap used for instrument V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Aqueous samples were hydrochloric acid preserved, pH <2.

Surrogate recovery: recoveries were within the QC limits.

Laboratory control sample: spike recoveries were within the QC limits.

Sample analysis: due to high concentration of tetrachloroethene, sample INFLUENT was analyzed at 10x dilution. No other unusual observation was made for this analysis.

2. Wet Chemistry Analyses:

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Huntley
CLP Project Manager
04/28/10

WorkOrder: J0686

04/28/2010 16:41

Mitkem Laboratories

Client ID: ENE
Project: Mr. C's Dry Cleaning
WO Name: Mr. C's Dry Cleaning
Location: MR_C_COMPLIANCE, 002700.DC13.02.01.01

Case:
SDG:

HC Due: 04/28/10
Fax Due:
Fax Report: ☐

Report Level: ASP-A
Special Program:
EDD: ENE

PO: 002700.DC13.02.01.01

Comments: 1 ppb ICAL for VOA. Run Influent sample by 10 X dilution, low result in effluent expected. Send hard copy by overnight saver. Have to be on time.

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0686-01A	INFLUENT	04/08/2010 11:30	04/09/2010	Aqueous	SW8260_W	do 10x initial / OLM_VOA, 1 ppb ICAL				Y	VOA
J0686-01B	INFLUENT	04/08/2010 11:30	04/09/2010	Aqueous	SM4500_H+	/					F2
J0686-01C	INFLUENT	04/08/2010 11:30	04/09/2010	Aqueous	SM2340_W	/					M3
J0686-02A	EFFLUENT	04/08/2010 12:00	04/09/2010	Aqueous	SW8260_W	/ OLM_VOA, 1 ppb ICAL				Y	VOA
J0686-02B	EFFLUENT	04/08/2010 12:00	04/09/2010	Aqueous	SM4500_H+	/					F2
J0686-02C	EFFLUENT	04/08/2010 12:00	04/09/2010	Aqueous	SM2340_W	/					M3

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

HT = Test logged in but has been placed on hold

Lab Client Rep: Shirley S Ng

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 O M & 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=_____

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: J0686	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: pH	Hardness	VOC
01	INFLUENT	4/8/10	11:30 am	G	GW				1	✓		
	INFLUENT		11:30 am	G	GW				1		✓	
	INFLUENT		11:30 am	G	GW	2						✓
02	EFFLUENT		12:00 pm	G	GW				1	✓		
	EFFLUENT		12:00 pm	G	GW				1		✓	
	EFFLUENT		12:00 pm	G	GW	2						✓

List preservative code below: - 4 2

QA/QC Reporting Notes: (check as needed)
- ☐ 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				
		4/9/10	9:42	6

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

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

MITKEM LABORATORIES
Sample Condition Form

Page 1 of 1

Received By: AED | Reviewed By: SP | Date: 4/9/10 | Mitkem Work Order #: J0686

Client Project: MR C COMPLIANCE | Client: ENE

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 ICED

6) Airbill(s) — (Present) / Absent
Airbill Number(s) UPS
1ZFR8 725 1394226284

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

8) Date Received 4/9/10

9) Time Received 9:42

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"
J0686	01	<2					H	
J0686	02	<2					H	

AED 4/9/10

VOA Matrix Key:
US = Unpreserved Soil; UA = Unpreserved Aqueous; M = MeOH; N = NaHSO4; A = Air; H = HCl; E = Encore; F = Freeze

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

Form ID: QAF.0006

Rad OK yes / no

0007

Sample Condition Notification

Mitkem Project#: J0686 **Date of Receipt:** 4/9/10
Client: ENE **Received By:** MED
Client project #/name: Mr. C compliance

Unusual Occurance Description:

1 of the 2 vials received broken for sample INFLUENT, only 1 vial left for analysis

Client Contacted:

Contacted via: Phone/Fax/E-mail
Date:_____ **Time:**_____
Contacted By:_____
Name of person contacted:_____

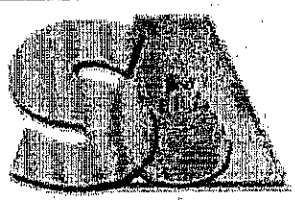
Client Response:

Responded via: Phone/Fax/E-mail
Date:_____
Name of person responding:_____
Responding to:_____

Mitkem Action Taken:

Form ID: QAF.0005

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.: J0686 Mod. Ref No.: SDG No.: SJ0686

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0686-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5796.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/09/2010

% Moisture: not dec. Date Analyzed: 04/18/2010

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	15	
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	50	U
156-59-2	cis-1,2-Dichloroethene	40	
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	6.5	J
79-01-6	Trichloroethene	72	
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	7.8	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	1400	
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)	5.2	J

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0686 Mod. Ref No.: SDG No.: SJ0686

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0686-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5796.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/09/2010

% Moisture: not dec. Date Analyzed: 04/18/2010

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.: J0686 Mod. Ref No.: SDG No.: SJ0686

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0686-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5795.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/09/2010

% Moisture: not dec. Date Analyzed: 04/18/2010

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	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethene	2.5	
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	4.7	
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.: J0686 Mod. Ref No.: SDG No.: SJ0686

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0686-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5795.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/09/2010

% Moisture: not dec. Date Analyzed: 04/18/2010

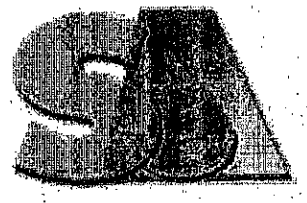
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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: *28-Apr-10*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: INFLUENT
Lab ID: J0686-01

Project: Mr. C's Dry Cleaning
Collection Date: 04/08/10 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							**SM2340_W**
Hardness, Ca/Mg (As CaCO3)	490		4.0	mg/L CaCO3	1	04/27/2010 9:39	51061
SM 4500 pH -- pH VALUE							**SM4500_H+**
pH	6.4		1.0	S.U.	1	04/09/2010 14:08	R47644

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: *28-Apr-10*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: J0686-02

Project: Mr. C's Dry Cleaning
Collection Date: 04/08/10 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	510		4.0	mg/L CaCO3	1	04/27/2010 9:42	51061
SM 4500 pH -- pH VALUE							SM4500_H+
pH	7.6		1.0	S.U.	1	04/09/2010 14:11	R47644

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

Summary of Site Utility Costs and Projections
January to December 2010

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

ATTACHMENT C

NYSDEC Work Assignment #DC13.02.01.01

12 Months of System Operation and Maintenance

April 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-2009	Feb-2009	Mar-2009	Apr-2009	May-2009	Jun-2009			
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						
New York State E&G	76-311-11-015900-18		Agway Site - Electric		$ 525.65							
National Fuel Gas	5819628-05	002700.DC13.02.01	Mr. C's Natural Gas Costs	$168.02	$ 115.66	$ 107.95						
			Totals	$ 840.58	$ 1,255.00	$ 707.62	$ -	$ -	$ -			

	Jul-2009	Aug-2009	Sep-2009	Oct-2009	Nov-2009	Dec-2009			Ave. /Month
Mr. C's Electric Costs									$ 628.64
Agway Electric									$ 525.65
Mr. C's Natural Gas Costs									$ 130.54
Totals	$0.00	$ -	$ -	$ -	$ -	$ -			$ 1,284.83
Electric		$2,411.57							
Natural Gas		$ 391.63			Overbilled natural gas costs - no charges				
Grand Total - NYSE&G/National Fuel Gas Costs To Date		$ 2,803.20			Estimated Reading		$ 333.44	in red -adjusted billing	

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2009	Feb-2009	Mar-2009	Apr-2009	May-2009	Jun-2009			
Verizon	716-652-0094	002700.DC13.02.01	Mr. C's Telephone Costs	$ 30.04	$ 30.19	$ 30.19						
Account#												
716 652 0094 416 26 2												

	Jul-2009	Aug-2009	Sep-2009	Oct-2009	Nov-2009	Dec-2008			Ave./Month
									$ 30.14
Grand Total - Verizon Costs to Date		$ 90.42							
Grand Total All Utilities To Date		$ 2,893.62							