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May 10, 2011

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

Re: Mr. C's Dry Cleaners Site, Contract # D004442.DC13, Site # 9-15-157
April 2011 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the April 2011 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in Attachment A. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MLI) are provided as Attachments B. The full analytical 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 2011, 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 3/29, 4/5, 4/11, 4/18, 4/25, and 5/3, 2011.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 92.26% operational up-time (Table 1) and the treatment of contaminated groundwater totaling of 515,800 gallons (Table 2) for April 2011.
- For 65 hours beginning Saturday, April 30 at 4:00PM to Tuesday, May 3, 2011 at 9:00AM, the remedial treatment system was offline. The result of the inspection concluded that pressure issues encountered with Blower Motor #1 on the air stripping unit. Blower unit #1 was taken out of service and the air stripper unit was restarted with blower unit #2.
- The analytical samples for the monthly compliance were taken on April 5, 2011. The sampling results were received by EEEPC on April 27, 2011.
- Excerpts from the Analytical Data packages for the sampling events are presented in Attachments B.

- A review of the analytical data from April 5, 2011 indicated no compliance issues were encountered.
- The analytical results revealed the influent concentration to be 1121.0 µg/L or 1121.0 ppb, and 0.74 µg/L or 0.74 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the April 5, 2011 sampling event is presented in Table 4.
- Overall cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 3/29/11 to 5/3/11 was 99.93%. The air stripper unit on the Mr. C's property is in compliance and MLI continues to provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. The summary of Effluent Discharge Criteria & Analytical Compliance Results for April 2011 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 4.82 lbs. of targeted contaminants from the groundwater below the site in the month of April 2011. The calculations and data for the month are presented in Table 5.

Agway Site Remedial Information

- The remedial treatment was shutdown on May 2, 2011 as results noises coming from the motor bearings on the SVE blower. The motor was rebuilt last year and will be taken to S&S Electric for evaluation.
- Report of emissions to be submitted May 2011.

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

- No current operational issues.
- Reports of analytical results and system operations to be issued in May 2011.

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 2011 are provided as Attachment C.

If you have questions regarding the April 2011 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 1/5/11)	**70,656.50**	**96.11%**
January 5, 2011 - February 1, 2011	648	100.00%
February 1, 2011 - March 7, 2011	840	100.00%
March 7, 2011 - March 29, 2011	528	100.00%
March 29, 2011 - May 3, 2011	775	92.26%
Total Hours from System Startup '2/02'	**73,447.50**	
Average Operational Up-time from startup =		**96.17%**
Average Operational Up-time for 2011 =		**97.72%**

NOTES:

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

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

Month	Actual Period	Gallons (Treated Effluent)
Total - Inception to December 2010	**9/5/02 - 1/5/11**	**114,331,011**
January 2011[3]	1/5/11 - 2/1/11	369,337
February 2011[3]	2/1/11 - 3/7/11	472,292
March 2011[3]	3/7/11-3/29/11	345,421
April 2011[3]	3/29/11-5/3/11	515,800
May 2011[3]		
June 2011[3]		
July 2011[3]		
August 2011[3]		
September 2011[3]		
October 2011[3]		
November 2011[3]		
December 2011[3]		
	Total Gallons Treated in 2011	**1,702,850**
	Total Gallons Treated To Date:	**116,033,861**

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

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

Parameter/Analyte	Daily Maximum	Units	April 5, 2011 Effluent Analytical Values - Compliance
Flow	N/A	gpd	14,737
pH	6.0 - 9.0	standard units	8.10
1,1 Dichloroethene	10	µg/L	ND(<1.0)
1,1 Dichloroethane	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	ND(<1.0)
Tetrachloroethene	10	µg/L	0.74 J
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	1	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	750
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 29, 2011 through April 3, 2011. Total gallons: 515,800 divided by 35 operating days (775 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 2011 VOC Analytical Summary

Compound	Based on the 4/5/11 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	45.0		ND (<1.0)	U	100.00%
Methylene chloride	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	10	U	ND (<1.0)	U	100.00%
Tetrachloroethene	1000.0		0.74	J	99.93%
Toluene	ND (<10.0)	U	ND (<1.0)	U	NA
Trichloroethene	66.0		ND (<1.0)	U	100.00%
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
Chlorobenzene	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
April 2011 TOTALs (in ug/L) =	**1121.0**		**0.74**		**99.93%**

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 2010 =				1479.64
January 2011	1/5/2011 - 2/1/2011	1035.3	3.81	4.15
February 2011	2/1/2011 - 3/7/2011	1310.0	0.73	4.82
March 2011	3/7/2011 - 3/29/2011	1541.0	0.00	4.44
April 2011	3/29/11-4/3/11	1121.0	0.74	4.82
May 2011				
June 2011				
July 2011				
August 2011				
September 2011				
October 2011				
November 2011				
December 2011				
Total pounds of VOCs removed from inception =				1,497.87
Total pounds of VOCs removed in 2011 =				18.23

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 2011

Including:

3/29/11

4/5/11

4/11/11

4/18/11

4/25/11

5/3/11

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

DATE: 3-May-11 ACTIVITIES: Site Inspection

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

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

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

PW-4 and PW-8 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	5	ft	PW-5	ON: √	OFF:	15	ft
PW-2	ON: √	OFF:	5	ft	PW-6	ON: √	OFF:	14	ft
PW-3	ON:	OFF: √	6	ft	PW-7	ON: √	OFF:	8	ft
PW-4	ON: √	OFF:	21	ft	PW-8	ON: √	OFF:	20	ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 5/4/11 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 16 gpm INFLUENT TOTALIZER READING: 5,937,925.0 gallons

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

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	30	0	psi	RIGHT:	35	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 √ #2 AIR STRIPPER PRESSURE: 11.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.023 in. H_2O DISCHARGE PRESSURE: 2.9 in. H_2O

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

EFFLUENT FLOW RATE: 114 gpm EFFLUENT TOTALIZER READING: 63,802,225 52440 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: 8.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: √ NO:

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

3-May-11

SAMPLES COLLECTED? YES: √ NO: _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	2:30 PM	7.52	7.91	12.9	3750
AIR STRIPPER EFFLUENT:	EFF	2:30 PM	8.57	8.25	13.9	3719

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

WERE MANHOLES INSPECTED? YES: √ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: √ NO: _____

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

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

PW-4 and PZ-4B have collapsed inner rings.

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

Remarks: Redux pump will not pump liquid.

Redux siphoned out of the drum into the system during problems with the Autodialer.

Other Actions: Changed bag filters.

Took Redux system apart and cleaned clogged lines. Replaced leaking shutoff valve. Added shutoff valve to line after pump.

AGWAY

SYSTEM VACUUM: -24 in. H_2O *AIR PRESSURE:* 115 psi

SP-1:	0.0 scfm	3.0 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	30.0 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: Drained (13) gals from SVE drum.

Other Actions: Shut down system. SVE blower motor sounds bad. Remove motor and take to S&S Electric.

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

DATE: 25-Apr-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: —

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (° F): 53

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

PW-4 and PW-8 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	5	ft	PW-5	ON: √	OFF:	15	ft
PW-2	ON: √	OFF:	5	ft	PW-6	ON: √	OFF:	7	ft
PW-3	ON:	OFF: √	5	ft	PW-7	ON: √	OFF:	5	ft
PW-4	ON: √	OFF:	20	ft	PW-8	ON: √	OFF:	19	ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 4/6/11 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 21 gpm INFLUENT TOTALIZER READING: 5,778,536.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 17 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 30 gallons

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

BAG FILTER PRESSURES:		Top	Bottom			Top	Bottom	
	LEFT:	34	0	psi	RIGHT:	38	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 ____ #2 √ AIR STRIPPER PRESSURE: 16.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.022 in. H_2O DISCHARGE PRESSURE: 3.3 in. H_2O

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

EFFLUENT FLOW RATE: 104 gpm EFFLUENT TOTALIZER READING: 63,705,476 | 53350 gallons

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

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

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

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

25-Apr-11

SAMPLES COLLECTED? YES: _____ NO: √

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

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

WERE MANHOLES INSPECTED? YES: √ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: √ NO: _____

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

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

PW-4 and PZ-4B have collapsed inner rings.

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

Remarks: Increased Jesko pump slightly to: Left 2.25; Right 1.3.

Other Actions: Poured remainder of last Redux drum into present drum. Have <1 drum left.

AGWAY

SYSTEM VACUUM: -24 in. H_2O *AIR PRESSURE:* 120 psi

SP-1:	0.0	scfm 2.5	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: 18-Apr-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: ____

WEATHER CONDITIONS: Cloudy, snow flurries, cold OUTSIDE TEMPERATURE (° F): 32

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

PW-4, PW-5 and PW-8 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	7	ft	PW-5	ON: √	OFF:	21	ft
PW-2	ON: √	OFF:	10	ft	PW-6	ON:	OFF: √	3	ft
PW-3	ON:	OFF: √	6	ft	PW-7	ON: √	OFF:	5	ft
PW-4	ON: √	OFF:	20	ft	PW-8	ON: √	OFF:	19	ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 4/6/11 Air Stripper Low Level

NOTES: ____

INFLUENT FLOW RATE: 15 gpm INFLUENT TOTALIZER READING: 5,588,180.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 23 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 25.5 gallons

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	36	0	psi	RIGHT:	40	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 ____ #2 √ AIR STRIPPER PRESSURE: 16.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.021 In. H_2O DISCHARGE PRESSURE: 3.4 in. H_2O

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

EFFLUENT FLOW RATE: 120 gpm EFFLUENT TOTALIZER READING: 63,589,482 | 934650 gallons

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

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

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

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

18-Apr-11

SAMPLES COLLECTED? YES: ____ NO: √

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

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

WERE MANHOLES INSPECTED? YES: √ NO: ____

WERE ELECTRICAL BOXES INSPECTED? YES: √ NO: ____

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

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

PW-4 and PZ-4B have collapsed inner rings.

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

Remarks:

Other Actions: Changed bag filters.

AGWAY

SYSTEM VACUUM: -24 in. H_2O *AIR PRESSURE:* 115 psi

SP-1:	6.5	scfm 2.5	psi	SP-5	0.0	scfm 28.5	psi
SP-2:	0.0	scfm 18.5	psi	SP-6	0.0	scfm > 30	psi
SP-3:	0.0	scfm 18.0	psi	SP-7	0.0	scfm > 30	psi
SP-4:	0.0	scfm 18.0	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: 11-Apr-11 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: —

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

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

PW-4 and PW-8 are OFF due to maintenance problems.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 4/6/11 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 19 gpm INFLUENT TOTALIZER READING: 5,415,250.0 gallons

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

SEQUESTERING AGENT FEED RATE: 7.0 ml/min METERING PUMP PRESSURE: 2.0 psi

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

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

AIR STRIPPER BLOWER IN USE: #1 _____ #2 √ AIR STRIPPER PRESSURE: 16.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.022 in. H_2O DISCHARGE PRESSURE: 3.3 in. H_2O

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

EFFLUENT FLOW RATE: 112 gpm EFFLUENT TOTALIZER READING: 63,484,308 | 826980 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: _____ INSIDE TEMPERATURE (°F): 74

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

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

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

11-Apr-11

SAMPLES COLLECTED? YES: _____ NO: √

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

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

WERE MANHOLES INSPECTED? YES: √ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: √ NO: _____

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

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

PW-4 and PZ-4B have collapsed inner rings.

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

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

Other Actions: Filled in snowplow ruts at end of Library parking lot.

AGWAY

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

SP-1:	> 10 scfm	2.5 psi		SP-5	0.0 scfm	28.0 psi	
SP-2:	0.0 scfm	10.0 psi		SP-6	1.1 scfm	29.5 psi	
SP-3:	0.0 scfm	9.5 psi		SP-7	0.0 scfm	> 30 psi	
SP-4:	0.0 scfm	10.0 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: 5-Apr-11 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (° F): 34

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

PW-4, PW-5 and PW-8 are OFF due to maintenance problems.

Turned PW-5 ON and tested it to see if it cycled correctly. Tested OK. Left PW-5 ON.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	7	ft	PW-5	ON: √	OFF:	11	ft
PW-2	ON: √	OFF:	13	ft	PW-6	ON:	OFF: √	6	ft
PW-3	ON:	OFF: √	3	ft	PW-7	ON: √	OFF:	6	ft
PW-4	ON: √	OFF:	20	ft	PW-8	ON: √	OFF:	19	ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 3/2/11 Air Stripper Low Level

NOTES:

INFLUENT FLOW RATE: 16 gpm INFLUENT TOTALIZER READING: 5,254,789.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 11 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 18.7 gallons

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	36	0	psi	RIGHT:	41	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 ____ #2 √ AIR STRIPPER PRESSURE: 14.0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.022 in. H_2O DISCHARGE PRESSURE: 3.5 in. H_2O

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

EFFLUENT FLOW RATE: 107 gpm EFFLUENT TOTALIZER READING: 63,386,689 | 727030 gallons

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

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

WATER LEVEL IN SUMP: 8.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: √ NO: ____

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

5-Apr-11

SAMPLES COLLECTED? YES: √ NO: _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	1:30 PM	7.46	7.14	11.2	3693
AIR STRIPPER EFFLUENT:	EFF	1:30 PM	8.58	8.42	11.8	3542

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

WERE MANHOLES INSPECTED? YES: √ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: √ NO: _____

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

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

PW-4 and PZ-4B have collapsed inner rings.

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

Remarks:

Other Actions: Replaced leaking fittings on Treatment Room water hose.

Replaced sump box bag filter and poured decanted filter change water into sump.

Changed bag filters.

AGWAY

SYSTEM VACUUM: -24 in. H_2O *AIR PRESSURE:* 120 psi

SP-1:	> 10	scfm	2.5	psi	SP-5	0.0	scfm	28.5 psi
SP-2:	0.0	scfm	17.5	psi	SP-6	1.1	scfm	> 30 psi
SP-3:	0.0	scfm	17.5	psi	SP-7	0.0	scfm	> 30 psi
SP-4:	0.0	scfm	18.0	psi	SP-8	0.0	scfm	> 30 psi

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

Remarks: SVE vacuum drum was dry.

Other Actions:

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

Date: 12-Apr-11 **Measurements taken by:** R. Allen

RW-1	15.60 ft	Comments:	
PZ-1A	10.71 ft	Comments:	
PZ-1B	10.42 ft	Comments:	
PZ-1C	11.60 ft	Comments:	
PZ-1D	11.71 ft	Comments:	
PW-2	17.90 ft	Comments:	
PZ-2A	10.33 ft	Comments:	
PZ-2B	10.65 ft	Comments:	
PZ-2C	10.14 ft	Comments:	
MW-7	10.48 ft	Comments:	Substitute for 2D
PW-3	19.00 ft	Comments:	
PZ-3A	10.74 ft	Comments:	
PZ-3B	10.82 ft	Comments:	
PZ-3C	11.32 ft	Comments:	
PZ-3D	10.82 ft	Comments:	
PW-4	----- ft	Comments:	ring damaged
PZ-4A	11.02 ft	Comments:	
PZ-4B	----- ft	Comments:	ring damaged
PZ-4C	----- ft	Comments:	sealed over
PZ-4D	9.90 ft	Comments:	

PW-5	26.30 ft	Comments:	
PZ-5A	10.13 ft	Comments:	
PZ-5B	10.24 ft	Comments:	
PZ-5C	9.81 ft	Comments:	
PZ-5D	10.64 ft	Comments:	
PW-6	22.60 ft	Comments:	
PZ-6A	11.13 ft	Comments:	
PZ-6B	10.98 ft	Comments:	
PZ-6C	11.27 ft	Comments:	
PZ-6D	10.88 ft	Comments:	Shown as RW-2 on map
PW-7	17.70 ft	Comments:	
MPI-6S	10.69 ft	Comments:	
PZ-7B	11.04 ft	Comments:	
OW-B	10.77 ft	Comments:	
PZ-7D	10.61 ft	Comments:	
PW-8	16.90 ft	Comments:	
PZ-8A	7.57 ft	Comments:	
PZ-8B	7.51 ft	Comments:	
PZ-8C	7.06 ft	Comments:	
PZ-8D	7.44 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 - 04/2011

DATE	ACTIVITY
1-Apr	End of month summaries.
4-Apr	OM&M office work
5-Apr	OM&M Weekly Inspection. Replaced leaking fittings on water hose. Replace sump box bag filter.
6-Apr	Change bag filters.
11-Apr	OM&M Weekly Inspection. Filled in snowplow ruts at end of Library parking lot.
12-Apr	OM&M Piezometer Readings
18-Apr	OM&M Weekly Inspection and office work
20-Apr	Change bag filters.
25-Apr	OM&M Weekly Inspection and office work
27-Apr	Observe for air sparging hole discharge near Main St and Whaley Ave.
28-Apr	Respond to AutoDialer.

Mr. C's CLEANERS OM&M
SUMMARY OF FIELD ACTIVITIES BY IEG - 04/2011

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
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
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Purge PW-5	Inspect, purge well, clean pump, plastic pipe and transducer. Trouble shoot problems.	in progress
Agway Shed Concrete Dump	Approximately 1/4 yard of concrete was washed out on the north side of the Agway Shed. Concrete should be removed.	in progress
Trim Broken Piezometers	Many of the piezometers are broken. Measuring water levels is not precise when a pipe is broken. Identify and trim all broken piezometers.	in progress
Repair Filter Basket	The handle loop on a filter basket broke. Weld handle back in place.	Jan-11
Cool Treatment Room	Temperature in Treatment Room is well above 90 degrees during the summer months. Need to increase outside air inflow to the room.	in progress
Replace Slit Filter Basket	An old bag filter basket that was repaired once has split open down its side. Order (2) more of the heavy duty filter baskets from Rosedale Products.	Nov-10
PW-8 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	in progress
Replace Air Stripper Exhaust	Present Air Stripper exhaust is very heavy and leaks moisture. Replace with lighter system.	in progress
Repair Redux Line	Redux line has (2) leaks. Repair the line.	Dec-10
Repair Corrosion Hole in Air Stripper	Corrosion hole started to leak after Air Stripper pressure was increased. Repair hole with JB Weld.	Dec-10
Redux Guage accumulating deposits	Redux guage is difficult to read because of built up deposits. Disassemble unit and clean.	Dec-10
Add Inline filter to Compressor	The Condensate Removal Valve (CRV) on the Air Compressor gets stuck open by occaisional pieces of debris from the air tank. Put filter on hose before the CRV.	in progress
PanelView Light not working	Bulb increasingly needs to be jiggled before it will light. Inspect bulb when it no longer lights and repair the problem. Bulb is burned out. Replaced bulb.	Jan-11
PW-5 Well Pump not cycling down	The well pump stays on after the water level drops. Transducer could be bad. Inspect and clean well pump and transducer.	in progress
PZ-4B Repair	The inner ring has corroded causing the collapse of the top cover. Replace inneer ring.	in progress
Air Stripper Leak	The top tray developed a corrosion hole that is leaking water. Prepare and seal the hole with J-B Weld.	Mar-11

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2011

as of Apr 11

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			Mar-11		Sep-09			
PW - 6	Jul-09	Jun 08, Jul 09		Replace pipe 8/09	Apr 09, Aug 09	Sep-09		Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	May 10, Oct 10	Nov 07, Jul 09, Oct 10		Replace pipe 8/09	Aug 09, May 10, Oct 10			Au 09, May 10		
PW - 8	Aug 09, May 10	Jul 08, Sep 09		Replace pipe 8/09	Aug 09, May 10			Aug 09, May 10		

Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: K0523
Sampled: April 5, 2011
Received: April 27, 2011

Report Date:
27-Apr-11 10:03

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

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

Work Order: K0523
Project : Mr. C's Dry Cleaning
Project #: 002700.DC13.02.01.01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
K0523-01	INFLUENT	Aqueous	05-Apr-11 14:00	06-Apr-11 08:52
K0523-02	EFFLUENT	Aqueous	05-Apr-11 14:30	06-Apr-11 08:52

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

All applicable NELAC or USEPA CLP requirments have been meet.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.mitkem.com.

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

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030

Authorized by:

Yihai Ding
Laboratory Director

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

No other unusual occurrences were noted during sample analysis.

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

Signed: _____

Date: 4/11/11

WorkOrder: K0523

04/06/2011 10:01

Mitkem Laboratories

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

Case:
SDG:

HC Due: 04/25/11
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. Special invoice paperwork required.

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
K0523-01A	INFLUENT	04/05/2011 14:00	04/06/2011	Aqueous	SW8260_W	/ OLM_VOA, 1 ppb ICAL				Y	VOA
K0523-01B	INFLUENT	04/05/2011 14:00	04/06/2011	Aqueous	SM4500_H+	/					E4
K0523-01C	INFLUENT	04/05/2011 14:00	04/06/2011	Aqueous	SM2340_W	/					M5
K0523-02A	EFFLUENT	04/05/2011 14:30	04/06/2011	Aqueous	SW8260_W	/ OLM_VOA, 1 ppb ICAL				Y	VOA
K0523-02B	EFFLUENT	04/05/2011 14:30	04/06/2011	Aqueous	SM4500_H+	/					E4
K0523-02C	EFFLUENT	04/05/2011 14:30	04/06/2011	Aqueous	SM2340_W	/					M5

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

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
TAT- Indicate Date Needed: Std
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 30 days unless otherwise instructed.

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

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

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

1=$Na_2S_2O_3$ 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: - 4 2

Notes:

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
K0523												
1	INFLUENT	4/5/2011	2:00 PM	G	GW				1	✓		
1	INFLUENT		2:00 PM	G	GW				1		✓	
1	INFLUENT		2:00 PM	G	GW	2						✓
2	EFFLUENT		2:30 PM	G	GW				1	✓		
2	EFFLUENT		2:30 PM	G	GW				1		✓	
2	EFFLUENT		2:30 PM	G	GW	2						✓

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

State specific reporting standards: _____

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

Condition upon receipt: ☑ Iced ☐ Ambient 4 °C

Relinquished by:	Received by:	Date:	Time:
Richard C Allen Jr	[signature] NJ	4/6/11	8:52

MITKEM LABORATORIES
Sample Condition Form

Received By: SN | Reviewed By: [signature] | Date: 4/6/11 | Mitkem Work Order #: K0523

Client Project: Mv. C. Compliance | Client: EnE

1) Cooler Sealed — Yes / No

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

3) Custody Seal Number(s) NA

4) Chain-of-Custody — Present / Absent

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

6) Airbill(s) — Present / Absent
Airbill Number(s) FedEx 7946 1315 0901

7) Samples Bottles — Intact / Broken / Leaking

8) Date Received 4/6/11

9) Time Received 8:52

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"
K0523	01	<2					H	
K0523	02	<2					H	

SN 4/6/11

VOA Matrix Key:

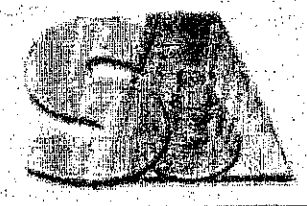
US = Unpreserved Soil	A = Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Form ID: QAF.0006 — Rad OK yes / no

\\Bernoulli\qa_safety\Controlled Forms\QAF.0006 sample condition form

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.: K0523 Mod. Ref No.: SDG No.: SK0523

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K0523-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I0273.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/06/2011

% Moisture: not dec. Date Analyzed: 04/14/2011

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
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	10	
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	50	U
156-59-2	cis-1,2-Dichloroethene	45	
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	66	
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	1000	
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.: K0523 Mod. Ref No.: SDG No.: SK0523

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K0523-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I0273.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/06/2011

% Moisture: not dec. Date Analyzed: 04/14/2011

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.: K0523 Mod. Ref No.: SDG No.: SK0523

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K0523-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I0272.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/06/2011

% Moisture: not dec. Date Analyzed: 04/14/2011

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	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.74	J
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.: K0523 Mod. Ref No.: SDG No.: SK0523

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: K0523-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6I0272.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/06/2011

% Moisture: not dec. Date Analyzed: 04/14/2011

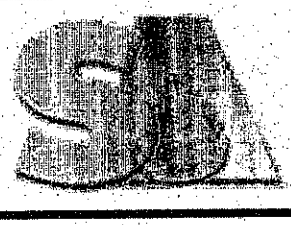
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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: *11-Apr-11*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: INFLUENT
Lab ID: K0523-01

Project: Mr. C's Dry Cleaning
Collection Date: 04/05/11 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	740		4.0	mg/L CaCO3	1	04/09/2011 10:54	58470
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.0		1.0	S.U.	1	04/06/2011 12:45	R57492

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: *11-Apr-11*

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: K0523-02

Project: Mr. C's Dry Cleaning
Collection Date: 04/05/11 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	750		4.0	mg/L CaCO3	1	04/09/2011 10:57	58470
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	8.1		1.0	S.U.	1	04/06/2011 12:48	R57492

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 2011

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 2011 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-2011	Feb-2011	Mar-2011	Apr-2011	May-2011	Jun-2011
New York State E&G	06-311-11-002616-26	002700.DC13.02.01	Mr. C's Electric Costs	$1,685.72	$ 1,672.70	$ 1,185.19	$ 1,144.38	$ 1,187.40	
New York State E&G	76-311-11-015900-18		Agway Site - Electric			$496.68			
National Fuel Gas	5819628-05	002700.DC13.02.01	Mr. C's Natural Gas Costs	$147.49	$ 485.43	$ 207.47	$ 104.35		
			Totals	$ 1,833.21	$ 2,158.13	$ 1,889.34	$ 1,248.73	$ 1,187.40	$ -

	Jul-2011	Aug-2011	Sep-2011	Oct-2011	Nov-2011	Dec-2011	Ave. /Month
Mr. C's Electric Costs							$ 1,375.08
Agway Electric							$ 165.56
Mr. C's Natural Gas Costs							$ 236.19
Totals	$0.00	$ -	$ -	$ -	$ -	$ -	$ 1,776.82

Electric	$7,372.07
Natural Gas	$ 944.74
Grand Total - NYSE&G/National Fuel Gas Costs To Date	**$ 8,316.81**

Notes:

Overbilled natural gas costs - no charges

Estimated Reading $ 333.44 in red -adjusted billing

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2011	Feb-2011	Mar-2011	Apr-2011	May-2011	Jun-2011
Verizon	716-652-0094	002700.DC13.02.01	Mr. C's Telephone Costs	$ 31.01	$ 31.40				
Account#									
716 652 0094 416 26 2									

	Jul-2011	Aug-2011	Sep-2011	Oct-2011	Nov-2011	Dec-2011	Ave./Month
							$ 5.67

Grand Total - Verizon Costs to Date	**$ 62.41**
Grand Total All Utilities To Date	**$ 8,379.22**

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

ATTACHMENT C

NYSDEC Work Assignment #DC13

12 Months of System Operation and Maintenance

April 2011 Report

	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:
January-10	648	648	100.00%	12.1%	Very cold January.
February-10	840	840	100.00%	12.0%	Cold and rainy
March-10	528	528	100.00%	14.0%	Rainy
April-10	840	775	92.26%	13.1%	Rainy
May-10			#DIV/0!		
June-10			#DIV/0!		
July-10			#DIV/0!		
August-10			#DIV/0!		
September-10			#DIV/0!		
October-10			#DIV/0!		
November-10			#DIV/0!		
December-10			#DIV/0!		
Totals to Date	**2856**	**2791**	**97.72%**		

Budget Remaining:

Electric:	$18,427.93
Telephone:	$540.00
Gas	-$224.74
Total:	$18,743.19

* 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
515800

Monthly Average Costs

Mr. C's Electric	**$**	**1,375.08**			
Agway Electric	**$**	**165.56**			
Mr. C's Gas	**$**	**236.19**			
Mr. C's Telephone	**$**	**5.67**			
Ave. Utility Cost Total	**$**	**1,782.50**	**times**	**12 month Estimate**	**$23,172.46**