



ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER

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December 7, 2007

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
November 2007 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the November 2007 Operation, 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 provided from 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 (ML) are provided as Attachment B. The full analytical report along with QA/QC information will be retained by EEEPC. All analytical results for the report were analyzed at the lowest detection limits in accordance with the standard method. 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 November 2007, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations Information

- The treatment system was operational for 99.59% of the period between 10/30/07 and 11/28/07. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- The effluent totalizer readings for the month of November 2007 indicate that approximately 672,600 gallons of groundwater were processed through the remedial treatment system for the period 10/30/07 and 11/28/07. Table 2 provides a summary of groundwater volume treated since system start-up. Historical volumes are based on the totalizer readings provided by the subcontractor's weekly inspection forms.
- Filters in the influent bag filter units were inspected and replaced on November 28, 2007. A tear in the left filter strainer was temporarily repaired to prevent damage to the new filter. Filter gauge pressure readings observed during weekly inspections ranged between 5 and 8.5 psi, which is within the 15 psi operational limit indicated in the system operation and maintenance manual.

- Checklists for weekly system inspections from IEG are provided as Attachment A for 10/30/07, 11/6/07, 11/13/07, 10/19/07 and 11/28/07. Weekly system checks indicated that the air stripper differential pressure remained between 0.02 and 0.03 inches of water with air stripper pressure between 38.0 and 42.0 inches of water during the month of November 2007. These levels are within the operating range recommended by the equipment manufacturer.
- The feed rate for the sequestering agent has been adjusted weekly between 12 and 5 ml/min, based on visual observations of mineral deposits on the stripping trays and analytical results from the effluent samples. The feed rate is being monitored by EEEPC and IEG personnel, with the intent of optimizing the feed rate at or near the manufacturer's recommended injection rate of 5 ml/min. Visual inspection of the stripper trays is being performed weekly by IEG during inspections. Disassembly, cleaning and reassembly of individual stripper trays is scheduled for December 2007.
- The analytical results from compliance sampling performed on November 6, 2007 (Attachment B) were received by EEEPC on November 16, 2007. A review of the data revealed the treated PCE effluent level of 2.4 ppb, which is within the compliance discharge limitation of 10 ppb for the site. All other contaminants detected were either below the level of detection or not detected. ML is now providing analytical data to sub ppb accuracy, which allows a more accurate determination of effluent contaminant levels. EEEPC and IEG continue to monitor the status of the effluent PCE and other contaminant levels on the SPDES Equivalency permit closely.
- EEEPC and IEG personnel began retraction, inspection and cleaning of submersible pumps RW-1 through PW-8 on November 20, 2007. Pump PW-7 and its associated discharge piping were removed from the well and found to be clogged with sediment. As a result, the complete riser and pitless adapter assembly were removed from the pump and pressure washed internally. A spare Grundfos pump and wiring harness were connected to the riser assembly and the unit was placed back into service. In the interim, IEG has retained the original pump for service and reinstallation.
- IEG personnel posted NYSDEC contact signage on the Mr. C's Treatment system door as requested by EEEPC.
- The Autodialer for the Mr. C's Treatment system has been reprogrammed to contact IEG and EEEPC personnel in the event of a system malfunction. An official test of the callout and alarm system to confirm correct callout process was performed on November 20, 2007 for quality assurance purposes. The result of the test was the auto-dialer was operating properly.

Agway Site Remedial Information

- Testing to evaluate the performance of individual Air Sparge and SVE system components including sparge points, compressor, manometers and extraction blower was conducted on November 13, 2007 by EEEPC and IEG personnel. Initial observations indicate that the treatment and support system continues to be operational. However, of the 8 total sparge points in the system, only 5 are actually transmitting air under pressure to the sparge points. While the reason for this malfunction is unknown at this time, it is obvious that the problem is not located within the compressor or other above grade components. Continued investigations in the form of individual distribution line pressure testing for points SP-1, SP-5 and SP-8 will be performed in spring 2008. Corrective measures to restore the system to complete functionality can be prescribed at that time.
- The water/air separator on the SVE system was drained and checked for leaks on November 13, 2007. A flexible hose was attached to the valve at the base of the unit to facilitate draining water from the unit. The air/water separator continues to function correctly.
- A final punch list of minor well repair items, including cap replacement and re-commissioning of well MPI-14B, is presently being prepared by the OM&M subcontractor. The work will be performed as soon as weather conditions permit.

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

- The SSDS systems at the First Presbyterian Church and 27 Whaley Avenue continue to operate normally.

Mr. C's and Agway Energy Usage information

- A copy of the site utility costs from the Mr. C's and Agway remedial operations for November 2007 and year to date are provided as Attachment C.

Analytical Summary – Groundwater

EEEEPC and IEG personnel collected samples of influent and effluent groundwater from the Mr. C's Treatment system on November 6, 2007. Overall cleanup efficiency for the reporting period 10/30/07 to 11/28/07 was 99.70% based on analytical testing performed by the Mitkem Corporation Laboratory. Excerpts from the Analytical Data package for the November 6, 2007 sampling event are presented in Table 3.

Mr. William Welling PE, Project Manager

November 7, 2007

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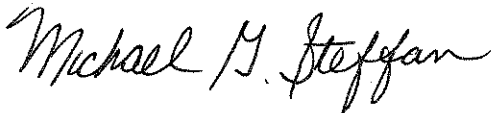
The November 2007 monthly analytical results indicate that the treated groundwater effluent is below the site specific Effluent Discharge Limitation Requirements (SPDES Equivalency Permit) for all compounds. The summary of Effluent Discharge Criteria & Analytical Compliance Results are presented in Table 4.

- Approximately 6.47 pounds of chlorinated volatile organic compounds (cVOCs) were removed from the influent groundwater based on calculations using the effluent discharge analytical results during the reporting period. A summary of the calculated pounds of cVOC's by month and by date are located in Table 5. These values are calculated based on effluent totalizer readings and assume that non-detect values given in the analytical data package = 0 $\mu\text{g/L}$, and that the monthly samples are indicative of the influent characteristics and system performance for the entire reporting period.

If you have questions regarding the November 2007 OM&M report summary submitted, 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
D. Miller/J. Kohler, EEEPC - Buffalo w/ attachments
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Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time ¹
September 2002 ²	576	100%
October 2002	744	99.33%
November 2002	720	93.41%
December 2002	744	80.65%
January 2003	744	59.15%
February 2003	672	63.39%
March 2003	744	82.39%
April 2003	720	100%
May 2003	744	100%
June 2003	720	90.00%
July 2003	744	100%
August 2003	744	100%
September 1-4, 2003	96	100%
October 22 -29, 2003 ³	168	100%
October 29 - November 25, 2003	648	99%
November 25 - December 29, 2003	816	100%
December 29, 2003 – January 26, 2004	672	100%
January 26 – February 24, 2004	696	100%
February 24 – March 29, 2004	816	99.97%
March 29 – April 26, 2004	672	99.70%
April 26 – May 24, 2004	696	73.70%
May 24 – June 21, 2004	696	99.43%
June 22 – July 26, 2004	840	100%
July 27 – August 23, 2004	672	100%
August 23 - September 27, 2004	840	97.62%
September 27 - October 25, 2004	672	90.33%
October 25 - November 23, 2004	696	92.17%
November 23 - December 27, 2004	816	97.06%
December 27, 2004 - January 31, 2005	840	100%
January 31, 2005 - February 28, 2005	660	98.20%
February 28, 2005 - April 4, 2005	828	98.60%
April 4, 2005 - May 2, 2005	696	87.50%
May 2, 2005 - June 6, 2005	840	91.43%
June 6, 2005 - July 6, 2005	744	86.60%
July 6, 2005 - August 1, 2005	605.5	97.00%
August 1, 2005 - August 29, 2005	696	100.00%
Totals Page 1	25037.5	93.80%

Table 1
 Mr. C's Dry Cleaners Site Remediation
 Site #9-15-157
 System Operational Time

Month	Reporting Hours	Operational Up-time
Totals forward from Page 1 (8/29/05)	25037.5	93.80%
October 3, 2005 - October 31, 2005	672	100.00%
October 31, 2005 - November 28, 2005	672	98.06%
November 28, 2005 - January 3, 2006	854	98.84%
January 3, 2006 - February 6, 2006	816	100.00%
February 6, 2006 - March 6, 2006	696	100.00%
March 6, 2006 - April 3, 2006	696	100.00%
April 3, 2006 - May 1, 2006	689	98.99%
May 1, 2006 - May 30, 2006	689	98.99%
May 31, 2006 - July 3, 2006	812	99.50%
July 3, 2006 - July 30, 2006	624	99.50%
July 30, 2006 - August 28, 2006	696	100.00%
August 28, 2006 - October 2, 2006	834	99.30%
October 2, 2006 - October 30, 2006	628	96.91%
October 30, 2006 - November 27, 2006	672	100.00%
November 27, 2006 - December 27, 2006	672	100.00%
December 27, 2006 - February 6, 2007	983	99.00%
February 6, 2007 - February 26, 2007	480	100.00%
February 26, 2007 - March 26, 2007	672	100.00%
March 26, 2007 - May 1, 2007	888	100.00%
May 1, 2007 - May 29, 2007	696	100.00%
May 29, 2007 - June 25, 2007	643	99.25%
June 25, 2007 - July 24, 2007	696	100.00%
July 25, 2007 - August 28, 2007	792	100.00%
August 28, 2007 - October 1, 2007	816	100.00%
October 1, 2007 - October 30, 2007	696	100.00%
October 30, 2007 - November 28, 2007	741	99.59%

Total Hours **43,862.50**

Average Operational Up-time = **96.19%**

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
September 2002 ¹	9/5/02 - 10/2/02	4,362,477
October 2002 ¹	10/2/02 - 11/4/02	4,290,429
November 2002 ¹	11/4/02 - 12/2/02	3,326,126
December 2002 ¹	12/2/02 - 1/7/03	3,349,029
January 2003 ¹	1/7/03 - 2/3/03	1,973,144
February 2003 ¹	2/3/03 - 3/10/03	2,158,771
March 2003 ¹	3/10/03 - 4/7/03	3,263,897
April 2003 ¹	4/7/03 - 5/2/03	2,574,928
May 2003 ¹	5/2/03 - 6/2/03	1,652,538
June 2003 ¹	6/2/03 - 6/30/03	2,002,990
July 2003 ¹	6/30/03 - 7/29/03	2,543,978
August 2003 ¹	7/29/03 - 8/25/03	2,042,424
September 2003 ¹	8/25/03 - 10/22/03	370,446
October 2003 ²	10/22/03 - 10/29/03	67,424
November 2003 ²	10/29/03 - 11/25/03	224,278
December 2003 ²	11/25/03 - 12/29/03	1,496,271
January 2004 ²	12/29/03 - 01/26/04	688,034
February 2004 ²	01/26/04 - 02/24/04	736,288
March 2004 ²	02/24/04 - 03/29/04	2,164,569
April 2004 ²	03/29/04 - 04/26/04	1,741,730
May 2004 ²	4/26/2004 - 5/24/2004	1,408,095
June 2004 ²	5/24/2004 - 6/21/2004	972,132
July 2004 ²	6/22/2004 - 7/26/2004	1,858,790
August 2004 ²	7/27/04 - 8/23/04	1,289,960
September 2004 ²	8/23/04 - 9/27/04	1,201,913
October 2004 ²	9/27/04 - 10/25/04	937,560
November 2004 ²	10/25/04 - 11/23/04	1,098,158
December 2004 ²	11/23/04 - 12/27/04	1,556,063
January 2005 ²	12/27/04 - 1/31/05	1,798,238
February 2005 ²	1/31/05 - 2/28/05	1,271,562
March 2005 ²	2/28/05 - 4/4/05	1,295,692
April 2005 ²	4/4/05 - 5/2/05	1,652,510
May 2005 ²	5/2/05 - 6/6/05	1,423,099
June 2005 ²	6/6/05 - 7/6/05	877,988
July 2005 ²	7/6/05 - 8/1/05	1,283,302
August 2005 ²	8/1/05 - 8/29/05	1,443,195
Total Page 1	9/5/02 - 8/29/05	62,398,028

NOTES:

1. System operated by Tyree Organization Ltd. From 9/02 - 9/03
2. System operated by O&M Enterprises from 9/03 - 7/07
3. System operated by IEG 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 from Page 1	9/5/02 - 8/29/05	62,398,028
September 2005 ²	8/29/05 - 10/3/05	1,591,248
October 2005 ²	10/3/05 - 10/31/05	1,204,074
November 2005 ²	10/31/05 - 11/28/05	1,038,170
December 2005 ²	11/28/05 - 1/3/06	1,182,854
January 2006 ²	1/3/06 - 2/6/06	1,401,821
February 2006 ²	2/6/06 - 3/6/06	1,927,556
March 2006 ²	3/6/06 - 4/3/06	1,838,541
April 2006 ²	4/3/06 - 5/1/06	1,116,192
May 2006 ²	5/1/06 - 5/30/06	1,053,047
June 2006 ²	5/30/06 - 7/3/06	1,092,786
July 2006 ²	7/3/06 - 7/30/06	813,264
August 2006 ²	7/30/06 - 8/28/06	860,366
September 2006 ²	8/28/06 - 10/2/06	1,107,730
October 2006 ²	10/2/06 - 10/30/06	818,535
November 2006 ²	10/30/06 - 11/27/06	903,959
December 2006 ²	11/27/06 - 12/27/06	967,671
January 2007 ²	12/27/06 - 2/6/07	1,229,105
February 2007 ²	2/6/07 - 2/26/07	913,610
March 2007 ²	2/26/07 - 3/26/07	882,228
April 2007 ²	3/26/07 - 5/1/07	1,127,096
May 2007 ²	5/1/07 - 5/29/07	853,697
June 2007 ²	5/29/07 - 6/25/07	755,060
July 2007 ³	6/25/07 - 7/24/07	785,379
August 2007 ³	7/25/07 - 8/28/07	899,340
September 2007 ³	8/2/07 - 10/1/07	804,420
October 2007 ³	10/1/07 - 10/30/07	647,173
November 2007 ³	10/30/07 - 11/28/07	672,600
Total Gallons Treated To Date:		90,885,550

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
NYSDEC Site #9-15-157
November 2007 VOC Analytical Summary

Compound	11/6/2007 Sampling Results				
	Influent Concentration*		Effluent Concentration*		Cleanup Efficiency
	(ug/L)		(ug/L)		(%)
Acetone	ND(<50)	U	ND(<5.0)	U	NA
Benzene	ND(<10)	U	ND(<1.0)	U	NA
2-Butanone	ND(<50)	U	ND(<5.0)	U	NA
cis-1, 2-Dichloroethene	12.00		ND(<1.0)	U	100%
Methylene chloride	ND(<10)	U	ND(<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	11.00		1.1		90.00%
Tetrachloroethene	1100.00		2.4		99.78%
Toluene	ND(<10)	U	ND(<1.0)	U	NA
Trichloroethene	33.00		ND(<1.0)	U	100%
Total Xylenes	ND(<10)	U	ND(<1.0)	U	NA
November 6, 2007 TOTALs (in ug/L) =	1156.00		3.5		99.70%

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.

* (<50) - Detection Limit

Table 4
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Effluent Discharge Criteria & Analytical Compliance Results

Parameter/Analyte	Daily Maximum ¹	Units	November 6, 2007 Effluent Analytical Values - Compliance
Flow	216,000	gpd	21,784.61 gpd ⁶
pH	6.0 - 9.0	standard units	8.3
1,1 Dichloroethene	10	µg/L	ND(<1.0)
1,2 Dichloroethane	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	ND(<1.0)
Tetrachloroethene	10	µg/L	2.40
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	µg/L	1.10
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	500
Cyanide, Free	10	µg/L	NA ⁹

NOTES:

- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents.
- Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
- Shaded cells indicate that analytical value exceeds the "Daily Maximum"
- "ND" indicates that the compound was not detected and lists the practical quantization limit in parentheses.
- "NA" indicates that analyses were not performed and data is unavailable.
- Average flows based on effluent readings taken October 30, 2007 through November 28, 2007. Total gallons: 672,600 divided by 30.875 operating days (741 actual operating hours).
- "µ" indicates an estimated value below the detection limit.
- "B" indicates analyte found in the associated blank.
- Removed from the required analysis list by NYSDEC Region 9 in February 2005.

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.)
September 2002 ⁶	9/5/02 - 10/2/02	1297	1	47.2
October 2002 ⁶	10/2/02 - 11/4/02	2000	1	71.6
November 2002 ⁶	11/4/02 - 12/2/02	1685	0	46.8
December 2002 ⁶	12/2/02 - 1/7/03	1586	9	44.1
January 2003 ⁶	1/7/03 - 2/3/03	1803	10	29.5
February 2003 ⁶	2/3/03 - 3/10/03	1985	3	35.7
March 2003 ⁶	3/10/03 - 4/7/03	1990	5	54.1
April 2003 ⁶	4/7/03 - 5/2/03	1656	3	35.5
May 2003 ⁶	5/2/03 - 6/2/03	1623	7	22.3
June 2003 ⁶	6/2/03 - 6/30/03	5787	6	96.6
July 2003 ⁶	6/30/03 - 7/29/03	1356	1	28.8
August 2003 ⁶	7/29/03 - 8/25/03	1263	3	21.5
September 2003 ⁶	8/25/03 - 10/22/03	1263	3	3.9
October 2003 ⁷	10/22/03 - 10/29/03	1693.69	1.47	1.0
November 2003 ⁷	10/29/03 - 11/25/03	2510.83	4.4	4.7
December 2003 ⁷	11/25/03 - 12/29/03	503.3	10.5	6.2
January 2004 ⁷	12/29/03 - 01/26/04	3667	15.8	21.0
February 2004 ⁷	01/26/04 - 02/24/04	3348.6	26.7	20.4
March 2004 ⁷	02/24/04 - 03/29/04	1939.3	4.96	34.9
April 2004 ⁷	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004 ⁷	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004 ⁷	5/24/2004 - 6/21/2004	1454	1.7	22.5
July 2004 ⁷	6/22/2004 - 7/26/2004	1313	3.6	20.3
August 2004 ⁷	7/27/04 - 8/23/04	2305	7.4	24.7
September 2004 ⁷	8/23/04 - 9/27/04	1453	6.7	14.5
October 2004 ⁷	9/27/04 - 10/25/04	1504	14.3	11.7
November 2004 ⁷	10/25/04 - 11/23/04	1480	36.42	13.2
December 2004 ^{7,8}	11/23/04 - 12/27/04	1562	132.21	18.6
January 2005 ⁷	12/27/04 - 1/31/05	1264	47.5	18.3
February 2005 ⁹	1/31/05 - 2/28/05	1538	53.2	15.8
March 2005 ⁹	2/28/05 - 4/4/05	931	56.0	9.5
April 2005 ⁹	4/4/05 - 5/2/05	1269	111.7	15.96
May 2005 ⁹	5/2/05 - 6/6/05	1431	319.0	13.20
June 2005 ⁹	6/6/05 - 7/6/05	1126	12	8.16
July 2005 ⁹	7/6/05 - 8/1/05	1575	5.90	16.80
August 2005 ⁹	8/1/05 - 8/29/05	1359	51.26	15.70
Total pounds of VOCs removed from inception to August 2005 =				928.04

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 August 2005 =				928.04
September 2005 ⁹	8/29/05 - 10/3/05	1239	0.47	16.50
October 2005 ⁹	10/3/05 - 10/31/05	1454	0.81	14.60
November 2005 ⁹	10/31/05 - 11/28/05	2266	6.80	0.00
December 2005	11/28/05 - 1/3/06	1166	1.30	11.50
January 2006	1/3/06 - 2/6/06	1679	11.87	13.62
February 2006	2/6/06 - 3/6/06	1465	90.20	16.56
March 2006	3/6/06 - 4/4/06	1475	2.00	22.43
April 2006	4/4/06 - 5/1/06	1465	8.80	13.56
May 2006	5/1/06 - 5/30/06	1263	0.00	11.07
June 2006	5/30/06 - 7/3/06	1994	1.40	18.17
July 2006	7/3/06 - 7/30/06	2010	1.40	13.64
August 2006	7/30/06 - 8/28/06	1296	8.60	9.24
September 2006	8/28/06 - 10/2/06	1384	2.90	12.77
October 2006	10/2/06 - 10/30/06	1262	3.90	8.56
November 2006	10/30/06 - 11/27/06	1152	10.30	8.61
December 2006	11/27/06 - 12/27/06	1210	16.20	9.63
January 2007	12/27/06 - 2/6/07	1406	1.30	14.40
February 2007	2/6/07 - 2/26/07	1017	4.70	7.72
March 2007	2/26/07 - 3/26/07	1693	0.80	12.47
April 2007	3/26/07 - 5/1/07	1665	3.10	15.63
May 2007	5/1/07 - 5/29/07	1666	0.76	11.86
June 2007	5/29/07 - 6/25/07	1478	15.50	9.21
July 2007	6/25/07 - 7/24/07	1268	8.90	8.25
August 2007	7/25/07 - 8/28/07	1429	0.00	10.72
September 2007	8/28/07-10/1/07	1719	2.00	11.54
October 2007	10/1/07-10/30/07	1875	2.00	10.68
November 2007	10/30/07-11/28/07	1296	13.50	6.47
Total pounds of VOCs removed since inception =				1247.45

NOTES:

- Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
- Calculations assume that non-detect values = 0 µg/L.
- Total VOCs summations include estimated "J" values.
- Calculations are based on effluent totalizer readings.
- "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
- No samples were collected in September 2003. August 2003 values are used.
- Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
- Treatment system operated by O&M Enterprises from 10/03 to 7/07.
- 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 November 6, 2007:

Pounds of VOCs removed calculated by the following formula:
 $1156 \text{ ug/L} - 3.5 \text{ ug/L} \times (.8 \text{ g}/10^6 \text{ ug}) \times (1 \text{ lb}/453.5924 \text{ g}) \times 672,600 \text{ gallons} \times (3.785 \text{ L}/\text{gallon}) \sim 6.47 \text{ lbs}$
where 672,600 gallons is the monthly process water volume.

Attachment A
IEG Weekly Inspection Reports
November 2007

Including:

10/30/07

11/6/07

11/13/07

11/19/07

11/28/07

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

DATE: <u>30-Oct-07</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>D. Iyer, R. Allen</u>		OTHER PERSONNEL: <u>---</u>									
WEATHER CONDITIONS: <u>Sunny, cool</u>		OUTSIDE TEMPERATURE (°F): <u>44</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>10</u> ft	PW-5 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>10</u> ft								
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-6 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>3</u> ft								
PW-3	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>14</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>11</u> ft								
PW-4	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>7</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>4</u> ft								
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>9/10/07 Air Stripper Low Level</u>									
DID YOU TURN PW-7 ON? (WHILE ON SITE) YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		DID YOU TURN PW-7 OFF? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>									
INFLUENT FLOW RATE: <u>15.35</u> gpm		INFLUENT TOTALIZER READING: <u>6,956,347.0</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>1</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>1.7</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>5.0</u> ml/min		METERING PUMP PRESSURE: <u>4</u> psi									
BAG FILTER PRESSURES:											
LEFT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	0	0	RIGHT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">8</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	8	0
Top	Bottom										
0	0										
Top	Bottom										
8	0										
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>28</u> psi									
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>41.0</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.03</u> in. H ₂ O		DISCHARGE PRESSURE: <u>0.8</u> in. H ₂ O									
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>10.0</u> psi									
EFFLUENT FLOW RATE: <u>90</u> gpm		EFFLUENT TOTALIZER READING: <u>40,296,783</u> 277780 gallons									
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>63.9</u>									
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		ARE ANY LEAKS PRESENT? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>									
WATER LEVEL IN SUMP: <u>10.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>									

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

SAMPLES COLLECTED? YES: _____ NO: ✓

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

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

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

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

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

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

Remarks: (2) new drums of redux arrived on Oct 25. Redux pump pickup changed to new drum. Pump settings: Left 2.5;
 Right 1.2. Inspected inside of Air Stripper. It appears to be operating cleanly.

Other Actions: Installed "Danger High Voltage" sticker on main door.
 Found business that will recycle empty redux drums (Harbison Bros., Inc) - will clean drums and dispose next week
 Reset Verbatim Auto Dialer. New call order is: 1) D. Iyer, 2) R. Allen, 3) D. Iyer, 4) E&E, 5) R. Allen

AGWAY

SYSTEM VACUUM: <u> -20 </u> in. H ₂ O				AIR PRESSURE: <u> 115 </u> psi			
SP-1:	<u> 0.0 </u>	scfm	<u> 5.0 </u> psi	PW-5:	<u> 0.0 </u>	scfm	<u> 0.0 </u> psi
SP-2:	<u> 0.0 </u>	scfm	<u> 3.0 </u> psi	PW-6:	<u> 0.0 </u>	scfm	<u> 0.0 </u> psi
SP-3:	<u> 0.0 </u>	scfm	<u> 2.5 </u> psi	PW-7:	<u> 0.0 </u>	scfm	<u> 0.0 </u> psi
SP-4:	<u> 0.0 </u>	scfm	<u> 3.0 </u> psi	PW-8:	<u> 0.0 </u>	scfm	<u> 0.0 </u> psi

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

Remarks: No readings on any of the SP or PW gauges

Other Actions:

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

DATE: <u>6-Nov-07</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Alien</u>		OTHER PERSONNEL: <u>---</u>									
WEATHER CONDITIONS: <u>Cloudy, light snow, cool</u>		OUTSIDE TEMPERATURE (°F): <u>35</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>10</u> ft	PW-5 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>8</u> ft								
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-6 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>6</u> ft								
PW-3	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>14</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>12</u> ft								
PW-4	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>3</u> ft	PW-8 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>6</u> ft								
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>10/30/07 Air Stripper Low Level</u>									
DID YOU TURN PW-7 ON? (WHILE ON SITE) YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		DID YOU TURN PW-7 OFF? YES: <input type="checkbox"/> NO: <input type="checkbox"/>									
INFLUENT FLOW RATE: <u>8.32</u> gpm		INFLUENT TOTALIZER READING: <u>7,191,234.6</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>29</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>49.3</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>6.5</u> ml/min		METERING PUMP PRESSURE: <u>4</u> psi									
BAG FILTER PRESSURES:											
LEFT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	0	0	RIGHT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">8.5</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	8.5	0
Top	Bottom										
0	0										
Top	Bottom										
8.5	0										
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>5</u> psi									
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>38.0</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.03</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.0</u> in. H ₂ O									
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>10.0</u> psi									
EFFLUENT FLOW RATE: <u>94</u> gpm		EFFLUENT TOTALIZER READING: <u>40,452,965</u> 434130 gallons									
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>64.5</u>									
IS SUMP PUMP IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		ARE ANY LEAKS PRESENT? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>									
WATER LEVEL IN SUMP: <u>10.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>									

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

6-Nov-07

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	11:30 AM	7.36	4.68	14.1	2519
AIR STRIPPER EFFLUENT:	EFF	11:30 PM	8.3	4.39	13.8	2284

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:

Several monitoring wells and electric boxes are under water due to snow and rain fall.

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

Remarks: Increased Redux pump rate; Left knob - 2.5; Right knob 1.5.

Other Actions: Rinsed out (4) empty Redux drums. Poured rinse water into sump well. Opened second plug on all drums to assist drying of empty drums.

Put Agway Shed padlock key on calender in Treatment Room.

AGWAY

SYSTEM VACUUM: <u>-20</u> in. H ₂ O				AIR PRESSURE: <u>32</u> psi					
SP-1:	<u>0.0</u>	scfm	<u>4.9</u>	psi	PW-5:	<u>0.0</u>	scfm	<u>28.0</u>	psi
SP-2:	<u>0.0</u>	scfm	<u>3.0</u>	psi	PW-6:	<u>3.4</u>	scfm	<u>21.6</u>	psi
SP-3:	<u>0.0</u>	scfm	<u>2.5</u>	psi	PW-7:	<u>2.4</u>	scfm	<u>15.0</u>	psi
SP-4:	<u>0.0</u>	scfm	<u>3.1</u>	psi	PW-8:	<u>0.0</u>	scfm	<u>30.0</u>	psi

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

Remarks: Shed door outside temperature - 25 F. Compressor tank temperature - 69 F. SVE vacuum barrel temperature - 54 F.

Other Actions: Purchased second quart of oil for compressor and put it in shed. Purchased (3) additional padlock keys.

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

DATE: <u>13-Nov-07</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>D. Iyer, R. Allen</u>		OTHER PERSONNEL: <u>J. Kohler</u>									
WEATHER CONDITIONS: <u>Sunny, cool</u>		OUTSIDE TEMPERATURE (°F): <u>50</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>5</u> ft	PW-5 ON: <input checked="" type="checkbox"/> OFF: <u>9</u> ft								
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-6 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>7</u> ft								
PW-3	ON: <input checked="" type="checkbox"/>	OFF: <u>14</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: <u>12</u> ft								
PW-4	ON: <input checked="" type="checkbox"/>	OFF: <u>4</u> ft	PW-8 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>5</u> ft								
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>11/13/07 Air Stripper High Level</u>									
DID YOU TURN PW-7 ON? (WHILE ON SITE) YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		DID YOU TURN PW-7 OFF? YES: <input type="checkbox"/> NO: <input type="checkbox"/>									
INFLUENT FLOW RATE: <u>3.03</u> gpm		INFLUENT TOTALIZER READING: <u>7,420,451.2</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>20</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>34</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>6.0</u> ml/min		METERING PUMP PRESSURE: <u>4</u> psi									
BAG FILTER PRESSURES:											
LEFT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	0	0	RIGHT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">5</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	5	0
Top	Bottom										
0	0										
Top	Bottom										
5	0										
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>28</u> psi									
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>39.5</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.03</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.0</u> in. H ₂ O									
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>10.0</u> psi									
EFFLUENT FLOW RATE: <u>94</u> gpm		EFFLUENT TOTALIZER READING: <u>40,607,216</u> 589500 gallons									
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>67.1</u>									
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		ARE ANY LEAKS PRESENT? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>									
WATER LEVEL IN SUMP: <u>8.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>									

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

13-Nov-07

SAMPLES COLLECTED? YES: _____ NO: ✓

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

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

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

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

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

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

Remarks: Shut down Treatment Room system to inspect pumps. Attempted to pull up PW-7 and PW-8 but neither pump would move without risk of breaking the rope.

Other Actions: While taking water level measurements, I pulled on the pump ropes to see if any would move with a strong pull. None of the pumps would budge.

AGWAY

SYSTEM VACUUM: <u> -20 </u> in. H ₂ O				AIR PRESSURE: <u> 20 </u> psi			
SP-1:	<u> 0.0 </u>	scfm	<u> 8.2 </u> psi	PW-5:	<u> 0.0 </u>	scfm	<u> 26.5 </u> psi
SP-2:	<u> 5.0 </u>	scfm	<u> 3.8 </u> psi	PW-6:	<u> 3.0 </u>	scfm	<u> 18.0 </u> psi
SP-3:	<u> 5.2 </u>	scfm	<u> 3.2 </u> psi	PW-7:	<u> 2.6 </u>	scfm	<u> 19.2 </u> psi
SP-4:	<u> 0.0 </u>	scfm	<u> 3.8 </u> psi	PW-8:	<u> 0.0 </u>	scfm	<u> 27.4 </u> psi

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

Remarks: Drained 12 gallons of water from SVE barrel. Poured water from SVE barrel into sump box in Treatment Room.

Other Actions: Need - hose for SVE barrel drain plug, <1" x <2' ; hose clamp.

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

Date: 13-Nov-07

Measurements taken by: R. Allen

RW-1	<u>11.00</u> ft	Comments: <u>From Panel View</u>
PZ-1A	<u>12.86</u> ft	Comments: _____
PZ-1B	<u>12.56</u> ft	Comments: _____
PZ-1C	<u>13.74</u> ft	Comments: _____
PZ-1D	<u>13.87</u> ft	Comments: _____
PW-2	<u>7.00</u> ft	Comments: <u>From Panel View</u>
PZ-2A	<u>12.25</u> ft	Comments: _____
PZ-2B	<u>12.60</u> ft	Comments: _____
PZ-2C	<u>12.16</u> ft	Comments: _____
PZ-2D	_____ ft	Comments: <u>Cannot locate</u>
PW-3	<u>12.85</u> ft	Comments: _____
PZ-3A	<u>12.88</u> ft	Comments: _____
PZ-3B	<u>12.94</u> ft	Comments: _____
PZ-3C	<u>13.42</u> ft	Comments: _____
PZ-3D	<u>12.94</u> ft	Comments: _____
PW-4	<u>22.33</u> ft	Comments: _____
PZ-4A	<u>12.35</u> ft	Comments: _____
PZ-4B	<u>12.29</u> ft	Comments: _____
PZ-4C	<u>12.42</u> ft	Comments: _____
PZ-4D	<u>11.83</u> ft	Comments: _____

PW-5	<u>19.47</u> ft	Comments: _____
PZ-5A	<u>11.43</u> ft	Comments: _____
PZ-5B	<u>12.15</u> ft	Comments: _____
PZ-5C	<u>11.74</u> ft	Comments: _____
PZ-5D	<u>12.52</u> ft	Comments: _____
PW-6	<u>19.70</u> ft	Comments: _____
PZ-6A	<u>12.80</u> ft	Comments: _____
PZ-6B	<u>12.70</u> ft	Comments: _____
PZ-6C	<u>12.92</u> ft	Comments: _____
PZ-6D	<u>12.57</u> ft	Comments: <u>Shown as RW-2 on map</u>
PW-7	<u>12.04</u> ft	Comments: _____
MPI-6S	<u>12.40</u> ft	Comments: _____
PZ-7B	<u>12.59</u> ft	Comments: _____
OW-B	<u>12.45</u> ft	Comments: _____
PZ-7D	<u>12.20</u> ft	Comments: _____
PW-8	<u>9.52</u> ft	Comments: _____
PZ-8A	<u>9.37</u> ft	Comments: _____
PZ-8B	<u>9.32</u> ft	Comments: _____
PZ-8C	<u>8.95</u> ft	Comments: _____
PZ-8D	<u>9.25</u> ft	Comments: _____

PUMPS IN OPERATION DURING MEASUREMENTS

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

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

DATE: <u>19-Nov-07</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen, D. Iyer</u>		OTHER PERSONNEL: <u>J. Kohler</u>	
WEATHER CONDITIONS: <u>Cloudy, cool</u>		OUTSIDE TEMPERATURE (°F): <u>40</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-5 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>11</u> ft
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-6 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>5</u> ft
PW-3	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>14</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>12</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>7</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>4</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: _____	
DID YOU TURN PW-7 ON? (WHILE ON SITE) YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		DID YOU TURN PW-7 OFF? YES: <input type="checkbox"/> NO: <input type="checkbox"/>	
INFLUENT FLOW RATE: <u>14</u> gpm		INFLUENT TOTALIZER READING: <u>7,615,232.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>8</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>13.6</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>12.0</u> ml/min		METERING PUMP PRESSURE: <u>4.5</u> psi	
BAG FILTER PRESSURES:			
	Top	Bottom	
LEFT:	<u>0</u>	<u>0</u> psi	RIGHT: <u>5</u> <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>5</u> psi	
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>41.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.025</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.0</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>10.5</u> psi	
EFFLUENT FLOW RATE: <u>98</u> gpm		EFFLUENT TOTALIZER READING: <u>40,734,107</u> 717580 gallons	
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>57</u>	
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>	
WATER LEVEL IN SUMP: <u>8.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>	

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

19-Nov-07

SAMPLES COLLECTED? YES: _____ NO: ✓

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

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

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

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

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

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

Remarks: There is a leak in Blower #2 pipe.

Nov 19 - Changed Redux pump to Left 2.25, Right 1.0. Nov 20 - changed to Left 2.2, Right 1.0.

Other Actions: Shut off power to PW-7 and PW-8 for inspection and replacement of well pump at PW-7.

Reading 1 hour later is: PW-7 "Off", "6" and PW-8 "Off", "6".

AGWAY

SYSTEM VACUUM: <u> -20 </u> in. H ₂ O				AIR PRESSURE: <u> 120 </u> psi			
SP-1:	<u> 0.0 </u>	scfm	<u> 5.0 </u> psi	PW-5	<u> 0.0 </u>	scfm	<u> 28.0 </u> psi
SP-2:	<u> 8.5 </u>	scfm	<u> 15.0 </u> psi	PW-6	<u> 4.5 </u>	scfm	<u> 12.3 </u> psi
SP-3:	<u> 9.0 </u>	scfm	<u> 12.0 </u> psi	PW-7	<u> 3.0 </u>	scfm	<u> 20.8 </u> psi
SP-4:	<u> 0.5 </u>	scfm	<u> 7.2 </u> psi	PW-8	<u> 0.0 </u>	scfm	<u> 30.0 </u> psi

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

Remarks: Recommend putting rubber flap over shed handle to keep rain water out of padlock.

Other Actions: Sprayed inside of padlock with lubricant.

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

DATE: <u>28-Nov-07</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen, D. Iyer</u>		OTHER PERSONNEL: <u>---</u>	
WEATHER CONDITIONS: <u>Sunny, cool</u>		OUTSIDE TEMPERATURE (°F): <u>30</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>11</u> ft	PW-5 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>22</u> ft
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-6 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>4</u> ft
PW-3	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>14</u> ft	PW-7 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-8 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>5</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>11/13/07 Air Stripper High Level</u>	
DID YOU TURN PW-7 ON? (WHILE ON SITE) YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		DID YOU TURN PW-7 OFF? YES: <input type="checkbox"/> NO: <input type="checkbox"/>	
INFLUENT FLOW RATE: <u>67</u> gpm		INFLUENT TOTALIZER READING: <u>7,966,062.3</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>0.5</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>0.85</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>2.0</u> ml/min		METERING PUMP PRESSURE: <u>4.5</u> psi	
BAG FILTER PRESSURES:			
	LEFT:	Top Bottom <u>0</u> <u>0</u> psi	RIGHT: Top Bottom <u>5</u> <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>5</u> psi	
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>42.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.02</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.0</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>11.0</u> psi	
EFFLUENT FLOW RATE: <u>94</u> gpm		EFFLUENT TOTALIZER READING: <u>40,969,383</u> 952730 gallons	
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>54</u>	
IS SUMP PUMP IN USE? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		ARE ANY LEAKS PRESENT? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>	
WATER LEVEL IN SUMP: <u>5.5</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>	

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

SAMPLES COLLECTED? YES: _____ NO: √

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

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

WERE MANHOLES INSPECTED? YES: √ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: √ NO: _____

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

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

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

Remarks: Installed new Redux drum. Shortened Redux pump hose by 2'. Power washed Air Stripper through ports. Most of the holes on the middle trays are plugged. Able to unblock some of the holes closer to the ports with a screwdriver and a brush. Decided to take the air stripper apart and clean the trays next Monday, 12/3/07.

Other Actions: Pipe on Blower #2 loosened after fixing Blower #1 pipe leak. Installed brackets on both Blower #1 and #2 pipes to prevent further disconnects and leakage.

AGWAY

SYSTEM VACUUM: <u>-22</u> in. H ₂ O				AIR PRESSURE: <u>96</u> psi					
SP-1:	<u>0.0</u>	scfm	<u>5.2</u>	psi	PW-5	<u>0.0</u>	scfm	<u>28.0</u>	psi
SP-2:	<u>9.2</u>	scfm	<u>14.1</u>	psi	PW-6	<u>4.2</u>	scfm	<u>15.0</u>	psi
SP-3:	<u>9.1</u>	scfm	<u>12.0</u>	psi	PW-7	<u>2.8</u>	scfm	<u>23.0</u>	psi
SP-4:	<u>1.3</u>	scfm	<u>17.1</u>	psi	PW-8	<u>0.0</u>	scfm	<u>>30</u>	psi

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

Remarks: Drained SVE vacuum barrel (10 gallons). Put hose on barrel drain tap to facilitate draining.

Other Actions:

Attachment B
Analytical Report from
Mitkem Corporation

Analytical Data Package/SDG: #F1628
Sampled: November 6, 2007



"Environmental Testing For The New Millennium"

November 16, 2007

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

RE: Client Project: Mr. C's Dry Cleaners Site (Compliance)
Lab Work Order #: F1628

Dear Mr. Steffan:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please don't hesitate to call me.

We appreciate your business.

Sincerely,

A handwritten signature in cursive script, appearing to read "Shirley Ng".

Shirley S. Ng
Project Manager

Mitkem Corporation

New York State Department of Environmental Conservation Sample Identification and Analytical Requirements Summary

Project Name : Mr. C's Dry Cleaning -- 002700.DC13.02.01.02

SDG : F1628

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
INFLUENT	F1628-01	SW8260B_W			SM2340_W	SEE DATA
EFFLUENT	F1628-02	SW8260B_W			SM2340_W	SEE DATA

Mitkem Corporation

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : Mr. C's Dry Cleaning – 002700.DC13.02.01.02

SDG : F1628

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260B_W					
F1628-01A	AQ	11/6/2007	11/7/2007	NA	11/12/2007
F1628-02A	AQ	11/6/2007	11/7/2007	NA	11/12/2007

Mitkem Corporation

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : Mr. C's Dry Cleaning -- 002700.DC13.02.01.02

SDG : F1628

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260B_W					
F1628-01A	AQ	SW8260B_W	NA	LOW	10
F1628-02A	AQ	SW8260B_W	NA	LOW	1

Mitkem Corporation

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary ME

Project Name : Mr. C's Dry Cleaning -- 002700.DC13.02.01.02

SDG : F1628

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SM2340_W				
F1628-01C	AQ	SM2340_W	11/7/2007	11/12/2007
F1628-01CDUP	AQ	SM2340_W	11/7/2007	11/12/2007
F1628-02C	AQ	SM2340_W	11/7/2007	11/12/2007

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

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

Mitkem Work Order ID: F1628

November 16, 2007

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

Prepared By: Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation 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 November 7, 2007. 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 (2000update) 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:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

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 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 instruments VI: 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 with the exception of 1,1,2-Trichloro-1,2,2-trifluoroethane in V1GLCS.

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

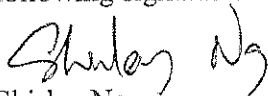
2. Wet Chemistry Analyses:

Duplicate: duplicate analysis was performed on sample INFLUENT for pH. Replicate RPDs were within the QC limits.

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.



Shirley Ng
Project Manager
11/16/07

Client ID: ENE

Project: Mr. C's Dry Cleaning

Location:

Case:

SDG:

PO: 002700.DC13.02.01.02

Comments: 1 ppb ICAL for VOA. Run Influent sample by 10 X dilution, low result in effluent expected. report thru LIMS.

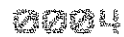
Report Level: ASP-A

EDD: ENE

HC Due: 11/26/07

Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1628-01A	INFLUENT	11/06/2007 0:00	11/07/2007	Aqueous	SW8260B_W	OLM_VOA,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
F1628-01B	INFLUENT	11/06/2007 0:00	11/07/2007	Aqueous	SM4500_H+		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B4
F1628-01C	INFLUENT	11/06/2007 0:00	11/07/2007	Aqueous	SM2340_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M4
F1628-02A	EFFLUENT	11/06/2007 0:00	11/07/2007	Aqueous	SW8260B_W	OLM_VOA,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
F1628-02B	EFFLUENT	11/06/2007 0:00	11/07/2007	Aqueous	SM4500_H+		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B4
F1628-02C	EFFLUENT	11/06/2007 0:00	11/07/2007	Aqueous	SM2340_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M4



Sample Transmittal Documentation



175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO			LAB PROJECT #:						
COMPANY	PHONE	PHONE	COMPANY	PHONE	PHONE	LAB PROJECT #:						
NAME	FAX	FAX	NAME	FAX	FAX	LAB PROJECT #:						
ADDRESS	CITY/ST/ZIP	CITY/ST/ZIP	ADDRESS	CITY/ST/ZIP	CITY/ST/ZIP	TURNAROUND TIME:						
Ecology & Environment, Inc	716 684-3060	716 684-3060	Same			F1608						
Mike Steffan	716 684-0844	716 684-0844										
368 Pleasantview Dr												
Lancaster, NY 14086												
CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:	REQUESTED ANALYSES									
Mr C's OM&M	00270.DC02		VOC	PH	Total Hardness	COMMENTS						
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
Influent	11/6/07			✓			01	4		11/16/07		4°C
Discharge	11/6/07		✓				02	4	Vincent Jambor	11/16/07 8:30		
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											
TSF#	RELINQUISHED BY	DATE/TIME	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:					
	Richard C. Allen Jr	11/6/07 12:00P	11/16/07	Vincent Jambor	11/16/07 8:30		4°C					

WHITE: LABORATORY COPY

YELLOW: REPORT COPY

PINK: CLIENT'S COPY

MITKEM CORPORATION

Sample Condition Form

Received By: <u>VEG</u>	Reviewed By: <u>KP</u>	Date: <u>11/7/07</u>	MITKEM Workorder #: <u>F1628</u>			
Client Project: <u>Mr. C Compliance</u>		Client: <u>EKE</u>			Soil Headspace or Air Bubbles ≥ 1/4"	
		Preservation (pH)				
	Lab Sample ID	HNO ₃	H ₂ SO ₄	HCl	NaOH	VOA Matrix
1) Cooler Sealed <input checked="" type="checkbox"/> Yes / No	<u>F1628</u> <u>01</u>	<u><2</u>				<u>H</u>
	<u>F1628</u> <u>02</u>	<u><2</u>				<u>H</u>
2) Custody Seal(s) <input checked="" type="checkbox"/> Present / Absent <input checked="" type="checkbox"/> Coolers / Bottles <input checked="" type="checkbox"/> Intact / Broken						
3) Custody Seal Number(s) <u>N/A</u>						
4) Chain-of-Custody <input checked="" type="checkbox"/> Present / Absent						
5) Cooler Temperature <u>4°C</u> Coolant Condition <u>ICE</u>						
6) Airbill(s) <input checked="" type="checkbox"/> Present / Absent Airbill Number(s) <u>FedEx</u> <u>799746799490</u>						
7) Sample Bottles <input checked="" type="checkbox"/> Intact / Broken / Leaking						
8) Date Received <u>11/7/07</u>						
9) Time Received <u>8:30</u>						
Preservative Name/Lot No:						

VOA Matrix Key:

US = Unpreserved Soil	A = Air
UA = Unpreserved Aqu.	H = HCl
M = MeOH	E = Encore
N = NaHSO ₄	F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Sample Condition Notification

Mitkem Project#: F1628
Client: E&E
Client project #/name: Mr C's

Date of Receipt: 11/10/07
Received By: VEG

Unusual Occurance Description:

Sample D "DISCHARGE" used on COC, but "EFFLUENT"
is used on bottles.

Client Contacted:

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

Client Response:

Responded via: Phone/Fax/E-mail
Date: 11/7/07
Name of person responding: _____
Responding to: _____

see e-mail attached

Mitkem Action Taken:

Shirley Ng

From: "IEG" <iegplc@adelphia.net>
To: "Steffan, Mike" <MSteffan@ene.com>; "Shirley Ng" <sng@mitkem.com>
Sent: Wednesday, November 07, 2007 7:45 PM
Subject: RE: sample ID discrepancy

Sorry about the mixup. Yes, please call them EFFLUENT on all reports.

Shirley, can you also ship a sample set (i.e. for two samples + small cooler) before the end of this month? We have two sets & two coolers with us.

Thanks.

Dharma

From: Steffan, Mike [mailto:MSteffan@ene.com]
Sent: Wednesday, November 07, 2007 3:23 PM
To: IEG
Subject: FW: sample ID discrepancy

Dharma,

Can you clear the question up for me regarding the information on the COC for Mr. C's from Mitkem? I believe you want the COC and bottles to be consistent. I am assuming that you want effluent on the COC and bottles not discharge.

Mike

From: Shirley Ng [mailto:sng@mitkem.com]
Sent: Wednesday, November 07, 2007 3:18 PM
To: Steffan, Mike
Subject: sample ID discrepancy

Hi Mike,
There is a sample named "DISCHARGE" on the COC, but called "EFFLUENT" on the sample bottles for Mr.C's project.
Per our discussion, this sample will be called "EFFLUENT" on all reports.
Correct ?

Shirley S. Ng
Project Manager, Mitkem Corp.
(phone) 401-732-3400 ext.314
(fax) 401-732-3499
sng@mitkem.com

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* Volatiles *

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLOUENT

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: F1628-01A
 Sample wt/vol: _____ 5 (G/ML) ML Lab File ID: V1J1585.D
 Level: (low/med) LOW Date Received: 11/07/2007
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 10.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/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	11	
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	50	U
156-59-2	cis-1,2-Dichloroethene	12	
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	33	
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	1100	
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: F1628-01A
 Sample wt/vol: _____ 5 (G/ML) ML Lab File ID: V1J1585.D
 Level: (low/med) LOW Date Received: 11/07/2007
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 10.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:
(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
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
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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: Mitkem Corporation Contract: _____
Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
Matrix: (soil/water) WATER Lab Sample ID: F1628-01A
Sample wt/vol: _____ 5 (G/ML) ML Lab File ID: V1J1585.D
Level: (low/med) LOW Date Received: 11/07/2007
% Moisture: not dec. Date Analyzed: 11/12/2007
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 10.00
Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ 0 (µL)
Number TICs found: _____ 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: F1628-02A
 Sample wt/vol: _____ 5 (G/ML) ML Lab File ID: VIJ1584.D
 Level: (low/med) LOW Date Received: 11/07/2007
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/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	1.1	
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	2.4	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EFFLUENT

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: F1628-02A
 Sample wt/vol: _____ 5 (G/ML) ML Lab File ID: V1J1584.D
 Level: (low/med) LOW Date Received: 11/07/2007
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
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
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: F1628-02A
 Sample wt/vol: _____ 5 (G/ML) ML Lab File ID: V1J1584.D
 Level: (low/med) LOW Date Received: 11/07/2007
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ 0 (µL)
 Number TICs found: _____ 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

V1GLCS

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: LCS-33221
 Sample wt/vol: _____ 5 (G/ML) ML Lab File ID: V1J1583.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	30	
74-87-3	Chloromethane	49	
75-01-4	Vinyl chloride	42	
74-83-9	Bromomethane	43	
75-00-3	Chloroethane	44	
75-69-4	Trichlorofluoromethane	41	
75-35-4	1,1-Dichloroethene	44	
67-64-1	Acetone	41	
75-15-0	Carbon disulfide	35	
75-09-2	Methylene chloride	45	
156-60-5	trans-1,2-Dichloroethene	41	
1634-04-4	Methyl tert-butyl ether	59	
75-34-3	1,1-Dichloroethane	42	
78-93-3	2-Butanone	42	
156-59-2	cis-1,2-Dichloroethene	48	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	48	
56-23-5	Carbon tetrachloride	45	
107-06-2	1,2-Dichloroethane	48	
71-43-2	Benzene	48	
79-01-6	Trichloroethene	44	
78-87-5	1,2-Dichloropropane	49	
75-27-4	Bromodichloromethane	49	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	47	
108-88-3	Toluene	49	
10061-02-6	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	48	
591-78-6	2-Hexanone	46	
124-48-1	Dibromochloromethane	51	

VOLATILE ORGANICS ANALYSIS DATA SHEET

V1GLCS

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: LCS-33221
 Sample wt/vol: 5 (G/ML) ML Lab File ID: V1J1583.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
106-93-4	1,2-Dibromoethane	52	
108-90-7	Chlorobenzene	50	
100-41-4	Ethylbenzene	51	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	54	
75-25-2	Bromoform	56	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	51	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	48	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	49	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	33	
110-82-7	Cyclohexane	40	
79-20-9	Methyl acetate	48	
108-87-2	Methylcyclohexane	39	

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Mitkem Corporation

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1628

	EPA SAMPLE NO.	SMC1 DBFM#	SMC2 DCE #	SMC3 TOL #	SMC4 BFB #	TOT OUT
01	VBLK1G	95	97	110	107	0
02	V1GLCS	96	94	109	118	0
03	EFFLUENT	95	97	107	107	0
04	INFLUENT	97	99	105	107	0

QC Limits

SMC 1 DBFM = Dibromofluoromethane (85-115)
 SMC 2 DCE = 1,2-Dichloroethane-d4 (70-120)
 SMC 3 TOL = Toluene-d8 (85-120)
 SMC 4 BFB = Bromofluorobenzene (75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

WATER VOLATILE LABORATORY CONTROL SAMPLE/DUPLICATE RECOVERY

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix Spike - EPA Sample No.: V1GLCS

COMPOUND	SPIKE ADDED (µg/L)	BLANK CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50	0	30	60	30-155
Chloromethane	50	0	49	98	40-125
Vinyl chloride	50	0	42	84	50-145
Bromomethane	50	0	43	86	30-145
Chloroethane	50	0	44	88	60-135
Trichlorofluoromethane	50	0	41	82	60-145
1,1-Dichloroethene	50	0	44	88	70-130
Acetone	50	0	41	82	40-140
Carbon disulfide	50	0	35	70	35-160
Methylene chloride	50	0	45	90	55-140
trans-1,2-Dichloroethene	50	0	41	82	60-140
Methyl tert-butyl ether	50	0	59	118	65-125
1,1-Dichloroethane	50	0	42	84	70-135
2-Butanone	50	0	42	84	30-150
cis-1,2-Dichloroethene	50	0	48	96	70-125
Chloroform	50	0	46	92	65-135
1,1,1-Trichloroethane	50	0	48	96	65-130
Carbon tetrachloride	50	0	45	90	65-140
1,2-Dichloroethane	50	0	48	96	70-130
Benzene	50	0	48	96	80-120
Trichloroethene	50	0	44	88	70-125
1,2-Dichloropropane	50	0	49	98	75-125
Bromodichloromethane	50	0	49	98	75-120
cis-1,3-Dichloropropene	50	0	50	100	70-130
4-Methyl-2-pentanone	50	0	47	94	60-135
Toluene	50	0	49	98	75-120
trans-1,3-Dichloropropene	50	0	49	98	55-140
1,1,2-Trichloroethane	50	0	49	98	75-125
Tetrachloroethene	50	0	48	96	45-150
2-Hexanone	50	0	46	92	55-130
Dibromochloromethane	50	0	51	102	60-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

WATER VOLATILE LABORATORY CONTROL SAMPLE/DUPLICATE RECOVERY

Lab Name: Mitkem Corporation Contract: _____Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628Matrix Spike - EPA Sample No.: V1GLCS

1,2-Dibromoethane	50	0	52	104	80-120
Chlorobenzene	50	0	50	100	80-120
Ethylbenzene	50	0	51	102	75-125
Xylene (Total)	150	0	150	100	81-121
Styrene	50	0	54	108	65-135
Bromoform	50	0	56	112	70-130
Isopropylbenzene	50	0	53	106	75-125
1,1,2,2-Tetrachloroethane	50	0	51	102	65-130
1,3-Dichlorobenzene	50	0	48	96	75-125
1,4-Dichlorobenzene	50	0	48	96	75-125
1,2-Dichlorobenzene	50	0	49	98	70-120
1,2-Dibromo-3-chloropropa	50	0	48	96	50-130
1,2,4-Trichlorobenzene	50	0	49	98	65-135
1,1,2-Trichloro-1,2,2-tri	50	0	33	66*	70-130
Cyclohexane	50	0	40	80	70-130
Methyl acetate	50	0	48	96	70-130
Methylcyclohexane	50	0	39	78	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

VBLK1G

Lab Name: Mitekem Corporation

Contract:

Lab Code: MITKEM Case No.:SAS No.: _____ SDG No.: MF1628Lab File ID: V1J1582.DLab Sample ID: MB-33221Date Analyzed: 11/12/07Time Analyzed: 10:49GC Column: DB-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: V1

THIS METHOD BLANK APPLIES TO THE FOLLOWING:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK1G	MB-33221	V1J1582.D	10:49
02	V1GLCS	LCS-33221	V1J1583.D	11:31
03	EFFLUENT	F1628-02A	V1J1584.D	12:12
04	INFLUENT	F1628-01A	V1J1585.D	12:40

COMMENTS:

page 1 of 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1G

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: MB-33221
 Sample wt/vol: 5 (G/ML) ML Lab File ID: V1J1582.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/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	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1G

Lab Name: Mitkem Corporation Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
 Matrix: (soil/water) WATER Lab Sample ID: MB-33221
 Sample wt/vol: 5 (G/ML) ML Lab File ID: VIJ1582.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/12/2007
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
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
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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1G

Lab Name: Mitkem Corporation Contract: _____
Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1628
Matrix: (soil/water) WATER Lab Sample ID: MB-33221
Sample wt/vol: 5 (G/ML) ML Lab File ID: V1J1582.D
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. Date Analyzed: 11/12/2007
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: _____ 1.00
Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ 0 (µL)
Number TICs found: _____ 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1628

Lab File ID (Standard): V1J0901.D Date Analyzed: 10/19/07

EPA Sample No. (VSTD050##): VSTD0501W Time Analyzed: 19:05

Instrument ID: V1 Heated Purge: (Y/N) N

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

	IS1		IS2		IS3	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	1517977	5.94882	957569	9.59188	475803	12.52603
UPPER LIMIT	3035954	6.44882	1915138	10.09188	951606	13.02603
LOWER LIMIT	758989	5.44882	478785	9.09188	237902	12.02603
EPA SAMPLE						

IS1 = Fluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +200% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

page of

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Mitkem Corporation Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MF1628

Lab File ID (Standard): V1J1581.D Date Analyzed: 11/12/07

EPA Sample No. (VSTD050##): VSTD0501G Time Analyzed: 10:09

Instrument ID: V1 Heated Purge: (Y/N) N

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1228076	5.91263	697199	9.54585	335173	12.48985
UPPER LIMIT	2456152	6.41263	1394398	10.04585	670346	12.98985
LOWER LIMIT	614038	5.41263	348600	9.04585	167587	11.98985
EPA SAMPLE						
01 VBLK1G	1051921	5.91	598947	9.56	261473	12.49
02 V1GLCS	1077040	5.92	644702	9.56	337716	12.49
03 EFFLUENT	1041671	5.92	619572	9.56	269399	12.50
04 INFLOENT	935207	5.92	563177	9.56	247614	12.50

IS1 = Fluorobenzene
 IS2 = Chlorobenzene-d5
 IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +200% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

page 1 of 1

FORM VIII VOA

0027



* Wet Chemistry *

Mitekem Corporation

Date: 12-Nov-07

Client: Ecology and Environment Engineering, P.C.

Client Sample ID: INFLUENT

Project: Mr. C's Dry Cleaning

Lab ID: F1628-01

Collection Date: 11/06/07 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
HARDNESS by Calculation Hardness, Ca/Mg (As CaCO3)	500			SM2340_W 4.0 mg/L CaCO3		11/12/2007 10:17	33177
pH VALUE pH	7.2			SM4500_H+ 1.0 S.U.		11/07/2007 10:20	R25028

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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 Corporation

Date: 12-Nov-07

Client: Ecology and Environment Engineering, P.C.

Client Sample ID: EFFLUENT

Lab ID: F1628-02

Project: Mr. C's Dry Cleaning

Collection Date: 11/06/07 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
HARDNESS by Calculation				SM2340_W			
Hardness, Ca/Mg (As CaCO ₃)	500		4.0	mg/L CaCO ₃		11/12/2007 10:31	33177
pH VALUE				SM4500_H+			
pH	8.3		1.0	S.U.		11/07/2007 10:20	R25028

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation 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

CLIENT: Ecology and Environment Engineering, P.C.
 Work Order: F1628
 Project: Mr. C's Dry Cleaning

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2340_W

Sample ID: MB-33177 SampType: MBLK TestCode: SM2340_W Prep Date: 11/8/2007 Run ID: OPTIMA2_071112B
 Client ID: MB-33177 Batch ID: 33177 Units: mg/L CaCO3 Analysis Date: 11/12/2007 SeqNo: 718764
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Hardness, Ca/Mg (As CaCO3) ND 4.0

Sample ID: F1628-01CDUP SampType: DUP TestCode: SM2340_W Prep Date: 11/8/2007 Run ID: OPTIMA2_071112B
 Client ID: INFLUENT Batch ID: 33177 Units: mg/L CaCO3 Analysis Date: 11/12/2007 SeqNo: 718766
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Hardness, Ca/Mg (As CaCO3) 491.2 4.0 0 0 0 0 0 500.4 1.85 20

0001

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

pH Meter - 071107A

MITKEM CORPORATION pH Determination Logbook

pH Meter ID:

Date	Sample ID	pH Reading (in S.U.)	Buffer IDs	Comments	Analyst
11/7/07	pH 4.0	4.02	1WP060613A		NJ
	pH 10.0	9.97	1WP061020C		
	pH 7.0	7.01	1WP061129D	100%	
	F1614 01A	8.05		RPD = 0.37%	
	F1614 01ASUP	8.08			
	F1628 01B	7.22			
	F1628 02B	8.33			
11/7/07	pH 7.0	7.03	1WP061129D	100%	NJ
NS 11/7/07					

pH LCS (Buffer 7.00) Acceptance Criteria: ± 0.05 S.U.
 Frequency: at least every 20 samples

analyzed @ 10:20

Calibration Check Criteria:
 pH Buffer: 4.00 ± 0.05 S.U.
 10.00 ± 0.05 S.U.
 7.00 ± 0.05 S.U.

Level 1 QA Review
 NJ 11/7/07

Data Entry to LIMS
 MK 11/07/07

Level 2 QA Review
 11/7/07 KB

Last Page of Data Report

Attachment C
Summary of Site Utility Costs and Projections
April 2007 to November 2007

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

November 2007 Report

Gas and Electric

Utility Provider	Account #	E&E Cost Center	Description	May-2007	Jun-2007	Jul-2007	Aug-2007	Sep-2007	Oct-2007	Nov-2007	Dec-2007
New York State E&G	06-311-11-002616-26	002700.DC13.02.01	Mr. C's Electric Costs	\$ 1,560.80	\$ 1,342.24	\$ 1,295.51	\$ 1,199.44	\$ 929.13	\$ 934.73		
New York State E&G	76-311-11-015900-18		Agway Site - Electric	\$189.80	\$613.49	\$538.92	\$174.13	\$135.30	\$479.36		
National Fuel Gas	5819628-05	002700.DC13.02.01	Mr. C's Natural Gas Costs	\$ 66.14	\$ -	\$ -	\$ -	\$ -	\$ 17.87	\$ 95.16	
			Totals	\$ 1,816.74	\$ 1,955.73	\$ 1,834.43	\$ 1,373.57	\$ 1,064.43	\$ 1,431.96	\$ 95.16	\$ -
				Jan-2008	Feb-2008	Mar-2008	Apr-2008				
			Mr. C's Electric Costs								
			Agway Electric								
			Mr. C's Natural Gas Costs								
			Totals	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.00
			Electric		\$ 8,065.14						
			Natural Gas		\$ 66.14						
			Grand Total - NYSE&G/National Fuel Gas Costs To Date	\$	6,267.42						

Overbilled natural gas costs - no charges

Phone

Utility Provider	Phone #	E&E Cost Center	Location Description	May-2007	Jun-2007	Jul-2007	Aug-2007	Sep-2007	Oct-2007	Nov-2007	Dec-2007
Verizon	716-652-0094	002700.DC13.02.01	Mr. C's Telephone Costs	\$ 44.89	\$ 44.98	\$ 46.71	\$ 55.95	\$ 56.19	\$ 56.17		
			Totals	\$	\$	\$	\$	\$	\$	\$	\$
			Grand Total - NYSE&G/National Fuel Gas Costs To Date	\$	6,267.42						
			Electric		\$ 8,065.14						
			Natural Gas		\$ 66.14						
			Grand Total - NYSE&G/National Fuel Gas Costs To Date	\$	6,267.42						

****This includes initial connection fees for the phone company of approximately \$180.

Grand Total - Verizon Costs to Date \$ 304.89

Grand Total All Utilities To Date \$ 6,459.95

Utility Provider	Account #	E&E Cost Center	Description	May-2007	Jun-2007	Jul-2007	Aug-2007	Sep-2007	Oct-2007	Nov-2007	Dec-2007
			Grand Total - Verizon Costs to Date	\$	304.89						
			Grand Total All Utilities To Date	\$	6,459.95						

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

Ave. /Month

\$ 1,210.31

\$ 355.17

\$ 59.72

\$ 0.00

\$ 1,625.20

\$ 50.82

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs
NYSDEC Work Assignment #DC13
12 Months of System Operation and Maintenance
November 2007 Report

Monthly Treatment System Operational Time by O&M Services		Actual OP		Up-Time		Percent Capacity*		Budget Remaining:		Electric:	
Month	Possible OP Hours	Actual OP Hours	Percent	Up-Time Percent	Capacity*	General Operation Comments	Budget Remaining:	Telephone:	Electric:	Gas	Total:
September-03	96	96	100.00%	100.00%	58%	Shutdown by Tyree after Separable Part B inspection			\$17,734.86		
October-03	168	168	100.00%	100.00%	6%	Official Startup by O&M Enterprises on 10/22/03			\$235.11		
November-03	720	720	100.00%	100.00%	5%				\$653.86		
December-03	744	744	100.00%	100.00%	28%						
January-04	672	672	100.00%	100.00%	16%						
February-04	696	696	100.00%	100.00%	21%						
March-04	816	815	99.88%	99.88%	51%						
April-04	672	670	99.70%	99.70%	50%						
May-04	696	513	73.71%	73.71%	43%	Equipment shutdown- low flow of water to air stripper - 5/17-24/04					
June-04	696	692	99.43%	99.43%	30%	Individual pumps shutdown for inspection and cleaning					
July-04	840	840	100.00%	100.00%	47%	100% operational					
August-04	672	672	100.00%	100.00%	42%	100% operational					
September-04	840	820	97.62%	97.62%	31%	Temporary Stripper Shutdown					
October-04	672	607	90.33%	90.33%	33%	65 hour weekend shutdown due to low pressure problems with the airstripper					
November-04	696	641.5	92.17%	92.17%	37%						
December-04	816	792	97.06%	97.06%	42%	GAC units removed from treatment system operations					
January-05	840	840	100.00%	100.00%	46%	GAC units removed from project site 1/14/05					
February-05	672	660	98.21%	98.21%	41%	Unit cleaned February 4, 2005					
March-05	840	828	98.57%	98.57%	33%	Unit shut down for additional cleaning and sequestering agent review					
April-05	696	609	87.50%	87.50%	58%	Unit re-cleaned and new water treatment chemical started operations on 5/19/05					
May-05	840	768	91.43%	91.43%	36%	Unit re-cleaned and new water treatment chemical started operations on 5/19/05					
June-05	744	644	86.56%	86.56%	30%	Extremely dry month of June.					
July-05	624	605.5	97.04%	97.04%	44%	Extremely dry month of July.					
August-05	696	696	100.00%	100.00%	44%	Extremely dry month of August.					
September-05	864	864	100.00%	100.00%	40%	Extremely dry month of September.					
October-05	672	672	100.00%	100.00%	39%	Extremely dry month of October.					
November-05	672	659	98.07%	98.07%	34%	Power outage occurred November 6, 2005					
December-05	864	854	98.84%	98.84%	29.6%	Air Stripper cleaning occurred on 12/27/05					
January-06	816	816	100.00%	100.00%	36.7%						
February-06	696	696	100.00%	100.00%	54.8%						
March-06	696	696	100.00%	100.00%	56.4%						
April-06	689	689	98.99%	98.99%	34.3%						
May-06	696	689	98.99%	98.99%	32.3%	Dry month, 5 hours for cleaning the stripper					
June-06	816	812	99.51%	99.51%	28.6%	Dry month, 5 hours for cleaning the stripper					
July-06	624	621	99.52%	99.52%	27.8%						
August-06	696	696	100.00%	100.00%	26.4%						
September-06	840	834	99.29%	99.29%	28.2%	Stripper cleaning performed					
October-06	628	609	96.91%	96.91%	27.0%	power outage from severe winter storm 10/12-10/14					
November-06	672	672	100.00%	100.00%	28.7%						
December-06	720	706	98.06%	98.06%	28.6%						
January-07	984	983	99.90%	99.90%	26.7%	Cold month					
February-07	480	480	100.00%	100.00%	40.7%	Extra Cold month.					
March-07	672	672	100.00%	100.00%	28.1%						
April-07	888	888	100.00%	100.00%	27.1%						
May-07	696	696	100.00%	100.00%	26.2%	Dry month					
June-07	648	644	99.38%	99.38%	25.1%						
July-07	696	696	100.00%	100.00%	24.1%						
August-07	792	792	100.00%	100.00%	19.3%						
September-07	816	816	100.00%	100.00%	21.0%	Dry month					
October-07	696	696	100.00%	100.00%	19.9%	Dry month					
November-07	744	741	99.60%	99.60%	19.3%						
Totals to Date	36244	35498	97.94%	97.94%		Based on OM services provided by EEEPC/OMEI since 9/03					

* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 9/02. Evaluated on total gallons discharged for monthly operating time.
 Maximum pump discharges calculated as an average of 78 gpm as the total for all 8 pumps at the site if all pumps operate 100%. With the exception of groundwater pump RW-1, all others run on a batch basis.
 The system is a batch process and is dependent on the level of groundwater to the level controls of each groundwater pump.

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs								
NYSDEC Work Assignment #DC13								ATTACHMENT C
12 Months of System Operation and Maintenance								
November 2007 Report								
Mr. C's Electric	\$	1,210.31						
Agway Electric	\$	355.17						
Mr. C's Gas	\$	59.72						
Mr. C's Telephone	\$	50.82						
Ave. Utility Cost Total	\$	1,676.01	12	month Estimate				\$21,788.17