



ecology and environment engineering, p.c.

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

November 10, 2010

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

Re: Mr. C's Dry Cleaners Site, Contract # D004442.DC13, Site # 9-15-157
October 2010 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the October 2010 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in Attachment A. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MLI) on September 17, 2010 are provided as Attachments B and C. The full analytical report along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment D.

In review of the on-site treatment system operations, monitoring and maintenance for October 2010, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations Information

- Checklists for weekly system inspections from IEG are provided as Attachment A for 9/28, 10/5, 10/12, 10/19, 10/25, and 11/2/10.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 94.29% operational up-time (Table 1) for October 2010 and the treatment of contaminated groundwater totaling of 502,911 gallons (Table 2).
- The operational downtime of 48 hours was a result of cleaning the on-site air stripping unit.
- The analytical samples for the monthly compliance were taken on October 5, 2010 and October 12, 2010 as a result of before and after cleaning of the air stripper unit. The sampling results were received by EEEPC on October 25, 2010 and November 1, 2010.
- Excerpts from the Analytical Data packages for the sampling events are presented in Attachments B and C.

Mr. William Welling, Project Manager

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- A review of the analytical data from October 5, 2010 revealed the influent concentration to be 736.4 ug/L or 736.4 ppb, and 0.78 ug/L or 0.78 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the October 5, 2010 sampling event is presented in Table 4.
- The air stripping unit was taken apart and cleaned on October 6 and 7, 2010. Field report of the teardown and cleaning operations is provided in Attachment E.
- A second sample was taken after cleaning the air stripper for compliance purposes on October 12, 2010. The analytical results indicated compliance issues were encountered for Tetrachloroethylene at 16 ug/L. Corrective actions were performed on the treatment equipment and additional analytical monitoring will be performed in early November 2010.
- Overall cleanup efficiency for the contaminants of concern at the site during the reporting period 9/28/10 to 11/2/10 was 99.89%. The air stripper unit on the Mr. C's property is in compliance and MLI continues to provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. The summary of Effluent Discharge Criteria & Analytical Compliance Results for October 2010 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 3.06 lbs of targeted contaminants from the groundwater below the site in the month of October 2010. The calculations and data for the month and entire year of 2010 are presented in Table 5.

Agway Site Remedial Information

- No current operational issues. Minor Maintenance performed by IEG.

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

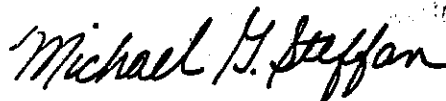
- No current operational issues.
- Air sampling and maintenance review to be performed in November.

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

If you have questions regarding the October 2010 OM&M report summary, please do not hesitate to contact me at 716-684-8060.

Very Truly Yours,
Ecology and Environment Engineering, P. C.



Michael G. Steffan
Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments
D. Iyer, IEG - w/attachments
CTF- 002700.DC13.02.01.01

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

Month	Reporting Hours	Operational Up-time
(Up-time from inception to 1/5/10)	61,992.50	95.99%
January 5, 2010 - February 1, 2010	648	100.00%
February 1, 2010 - March 2, 2010	696	100.00%
March 2, 2010 - March 30, 2010	672	100.00%
March 30, 2010 - April 27, 2010	672	100.00%
April 27, 2010 - June 2, 2010	816	94.44%
June 2, 2010 - July 6, 2010	816	100.00%
July 6, 2010 - August 4, 2010	696	100.00%
August 4, 2010 - September 7, 2010	816	100.00%
September 7, 2010 - September 28, 2010	504	100.00%
September 28, 2010 - November 2, 2010	792	94.29%
November 2010		
December 2010		

Total Hours from System Startup '2/02' **69,120.50**

Average Operational Up-time from startup = 96.26%

Average Operational Up-time for 2010 = 98.67%

NOTES:

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

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

Month	Actual Period	Gallons
Total - Inception to December 2009	9/5/02 - 1/5/10	109,009,157
January 2010 ³	1/5/10 - 2/1/10	648,852
February 2010 ³	2/1/10 - 3/2/10	672,687
March 2010 ³	3/2/10 - 3/30/10	491,152
April 2010 ³	3/30/10 - 4/27/10	228,188
May 2010 ³	4/27/10 - 6/2/2010	322,174
June 2010 ³	6/2/10 - 7/6/10	268,627
July 2010 ³	7/6/10 - 8/4/10	450,503
August 2010 ³	8/4/10 - 9/7/10	503,999
September 2010 ³	9/7/10 - 9/28/10	297,308
October 2010 ³	9/28/10 - 11/2/10	502,911
November 2010 ³		
December 2010 ³		
Total Gallons Treated in 2010		4,386,401
Total Gallons Treated to Date		113,395,558

NOTES:

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

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

Parameter/Analyte	Daily Maximum	Units	October 15, 2010 Effluent Analytical Values - Compliance - Before Air Stripping Cleaning	October 12, 2010 Effluent Analytical Values - Compliance - After Air Stripping Cleaning
Flow	N/A	gpd	15,239.73	15,239.73
pH	6.0 - 9.0	standard units	7.90	7.60
1,1-Dichloroethene	10	µg/L	ND(<1.0)	ND(<1.0)
1,2-Dichloroethane	10	µg/L	ND(<1.0)	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	ND(<1.0)	1.1
Trichloroethene	10	µg/L	ND(<1.0)	ND(<1.0)
Tetrachloroethene	10	µg/L	ND(<1.0)	16
Vinyl Chloride	10	µg/L	ND(<1.0)	ND(<1.0)
Benzene	5	µg/L	ND(<1.0)	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<1.0)	ND(<1.0)
1,1,1-Trichloroethane	10	µg/L	ND(<1.0)	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	µg/L	NA	2.0
o-Xylenes ³	5	µg/L	NA	NA
m,p-Xylene ³	10	µg/L	NA	NA
Total Xylenes	NA	µg/L	ND(<1.0)	ND(<1.0)
Iron	600	µg/L	NA	NA
Aluminum	4000	µg/L	NA	NA
Copper	48	µg/L	NA	NA
Lead	11	µg/L	NA	NA
Manganese	2000	µg/L	NA	NA
Silver	100	µg/L	NA	NA
Mercury	23	µg/L	NA	NA
Zinc	230	µg/L	NA	NA
Total Dissolved Solids	850	mg/l	NA	NA
Total Suspended Solids	200	mg/l	NA	NA
Hardness	NA	mg/l	470	490
Cyanide Free	10	µg/L	NA	NA

- NOTES:
- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
 - 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 quantitation limit in parentheses.
 - "NA" indicates that analyses were not performed and data is unavailable.
 - Average flows based on effluent readings taken September 28, 2010 through November 2, 2010. Total gallons: 502,911 divided by 33 operating days (792 actual operating hours).
 - "J" 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.

40 Indicates non-compliance with the NYSDEC effluent discharge requirements
NR Indicates Not Reported by Lab

Table 4
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
October 2010 VOC Analytical Summary

Compound	Based on the 10/5/10 Effluent Sampling Results		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency** (%)
Acetone	ND (<50.0)	ND (<5.0)	NA
Benzene	ND (<10.0)	ND (<1.0)	NA
2-Butanone	ND (<50.0)	ND (<5.0)	NA
cis-1, 2-Dichloroethene	22.0	ND (<1.0)	100.00%
Methylene chloride	ND (<10.0)	ND (<1.0)	NA
Methyl tert-butyl ether (MTBE)	8.4	J	100.00%
Tetrachloroethene	670.0	ND (<1.0)	100.00%
Toluene	ND (<10.0)	ND (<1.0)	NA
Trichloroethene	36.0	ND (<1.0)	100.00%
Carbon Disulfide	ND (<10.0)	ND (<1.0)	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<10.0)	ND (<1.0)	NA
Cyclohexane	ND (<10.0)	ND (<1.0)	NA
trans-1,2-dichloroethene	ND (<10.0)	ND (<1.0)	NA
Methylcyclohexane	ND (<10.0)	ND (<1.0)	NA
Methyl acetate	ND (<10.0)	ND (<1.0)	NA
Total Xylenes	ND (<10.0)	ND (<1.0)	NA
october 2010 TOTALS (in ug/L) =	736.4	0.78	99.89%

Notes:

1. "NA" = Not applicable
2. "ND" or "U" = Compound analyzed, but was not detected. Detection limit in parentheses
3. "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
4. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
5. "D" = Compounds identified in analysis required secondary dilution factoring
6. "B" indicates analyte found in the associated blank.

* (<50) - Detection Limit

** Contaminants of Concern only

Table 5
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly VOCs Removed From Groundwater

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
Total pounds of VOCs removed from inception to December 2009 =				1435.30
January 2010	1/5/2010 - 2/1/2010	1420	0.00	7.69
February 2010	2/1/2010 - 3/2/2010	992	3.90	5.55
March 2010	3/2/2010 - 3/30/2010	1098	26.80	4.39
April 2010	3/30/2010 - 4/27/2010	1547	7.20	2.93
May 2010	4/27/2010 - 6/2/2010	434	0.00	1.17
June 2010	6/2/2010 - 7/6/2010	1530	0.73	3.43
July 2010	7/6/2010 - 8/4/2010	865	3.10	3.24
August 2010	8/4/2010 - 9/7/2010	858	129.90	3.06
September 2010	9/7/2010 - 9/28/2010	914	1.30	2.26
October 2010	9/28/10 - 11/1/10	736	0.78	3.09
November 2010				
December 2010				
Total pounds of VOCs removed from inception to October 2010 =				1,472.11
Total pounds of VOCs removed in 2010 =				36.81

HISTORICAL 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 ug/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 Each Month:

Pounds of VOCs removed calculated by the following formula:

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

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

DATE: <u>28-Sep-10</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____									
WEATHER CONDITIONS: _____		OUTSIDE TEMPERATURE (° F): <u>70</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: _____ If "NO", provide explanation below											
<u>PW-7 remains ON at a steady level 12.</u>											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>6</u> ft	PW-5 ON: _____ OFF: <input checked="" type="checkbox"/> <u>5</u> ft								
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-6 ON: _____ OFF: <input checked="" type="checkbox"/> <u>7</u> ft								
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: _____ <u>12</u> ft								
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: _____ <u>7</u> ft								
EQUALIZATION TANK: <u>4</u> ft		Last Alarm DIT/Condition: <u>9/10/10 Air Stripper Low Level</u>									
NOTES: _____											
INFLUENT FLOW RATE: <u>23</u> gpm		INFLUENT TOTALIZER READING: <u>683,188.0</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>26</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>44</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>7.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</u> psi									
BAG FILTER PRESSURES:		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;">6</td><td style="text-align: center;">0</td></tr></table> psi	Top	Bottom	6	0
Top	Bottom										
0	0										
Top	Bottom										
6	0										
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		INFLUENT PUMP PRESSURE: <u>13</u> psi									
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>14.0</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.033</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.0</u> in. H ₂ O									
EFFLUENT PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>7.5</u> psi									
EFFLUENT FLOW RATE: <u>112</u> gpm		EFFLUENT TOTALIZER READING: <u>60,661,011</u> 940030 gallons									
ARE BUILDING HEATERS IN USE? YES: _____ NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (° F): <u>78</u>									
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: _____ NO: <input checked="" type="checkbox"/>									
WATER LEVEL IN SUMP: <u>7.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____									

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

28-Sep-10

SAMPLES COLLECTED? YES: _____ NO: <input checked="" type="checkbox"/>	
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: <input checked="" type="checkbox"/>	
WERE MANHOLES INSPECTED? YES: <input checked="" type="checkbox"/> NO: _____	
WERE ELECTRICAL BOXES INSPECTED? YES: <input checked="" type="checkbox"/> NO: _____	
IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: _____ NO: <input checked="" type="checkbox"/>	
If yes, provide manhole/electric box ID and description of any corrective measures below:	
INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE	
Remarks: Air Stripper Dimensions: Length 11' 8" x Width 34" x Height 7' 10"	
Bisco Environmental, Inc. gaskets: Length 11' 6" x Width 34" x Height 1"	
Other Actions:	

AGWAY					
SYSTEM VACUUM: <u>-21</u> in. H ₂ O			AIR PRESSURE: <u>105</u> psi		
SP-1: <u>> 10</u> scfm	<u>3.5</u> psi	SP-5: <u>0.0</u> scfm	<u>29.5</u> psi		
SP-2: <u>0.0</u> scfm	<u>18.5</u> psi	SP-6: <u>1.3</u> scfm	<u>> 30</u> psi		
SP-3: <u>0.0</u> scfm	<u>17.5</u> psi	SP-7: <u>0.0</u> scfm	<u>> 30</u> psi		
SP-4: <u>0.0</u> scfm	<u>18.0</u> psi	SP-8: <u>0.0</u> scfm	<u>> 30</u> psi		
INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE					
Remarks: SVE drum is dry.					
Other Actions:					

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

DATE: 5-Oct-10 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen, D. Iyer OTHER PERSONNEL: Ecology & Environment, Inc and Acome Construction

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (° F): 50

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: If "NO", provide explanation below
PW-7 remains ON at a steady level 12.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>6</u> ft	PW-5	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>6</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>6</u> ft
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>12</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>8</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>6</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 9/10/10 AS Low Level

NOTES: _____

INFLUENT FLOW RATE: 58 gpm INFLUENT TOTALIZER READING: 846,069 gallons

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

SEQUESTERING AGENT FEED RATE: 8.0 ml/min METERING PUMP PRESSURE: 4.0 psi

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	RIGHT:	Top	Bottom
		<u>0</u>	<u>0</u> psi		<u>6</u>	<u>0</u> psi

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

AIR STRIPPER BLOWER IN USE: #1 #2 AIR STRIPPER PRESSURE: 16.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.034 in. H₂O DISCHARGE PRESSURE: 1.0 in. H₂O

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

EFFLUENT FLOW RATE: 113 gpm EFFLUENT TOTALIZER READING: 60,757,886 38360 gallons

ARE BUILDING HEATERS IN USE? YES: NO: INSIDE TEMPERATURE (° F): 66

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

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

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

5-Oct-10

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	2:30P	7.44	7.04	13.6	2626
AIR STRIPPER EFFLUENT:	EFF	2:30P	8.61	10.01	14.4	2617

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

WERE MANHOLES INSPECTED? YES: NO:

WERE ELECTRICAL BOXES INSPECTED? YES: NO:

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

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

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

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

Remarks: Reduced Jesco pump slightly to: Left 2.0; Right 0.9

Other Actions: Emptied old Redux drum into present drum. Patched (2) holes in asphalt in front of Treatment Room.

Air Stripper - disassembled unit and cleaned. Unit was much cleaner than it was during the previous disassembly.

Repaired dozens of corrosion holes in trays with J-B Weld.

AGWAY

SYSTEM VACUUM: <u>-22</u> in. H ₂ O				AIR PRESSURE: <u>100</u> psi			
SP-1:	<u>>10</u>	scfm	<u>4.0</u> psi	SP-5:	<u>0.0</u>	scfm	<u>29.5</u> psi
SP-2:	<u>0.0</u>	scfm	<u>17.0</u> psi	SP-6:	<u>0.0</u>	scfm	<u>>30</u> psi
SP-3:	<u>0.0</u>	scfm	<u>17.0</u> psi	SP-7:	<u>0.0</u>	scfm	<u>>30</u> psi
SP-4:	<u>0.0</u>	scfm	<u>18.0</u> psi	SP-8:	<u>0.0</u>	scfm	<u>>30</u> psi

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

Remarks: Drained 2 gallons from SVE drum

Other Actions:

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

DATE: <u>12-Oct-10</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>Carroll Plumbing</u>	
WEATHER CONDITIONS: <u>Partly cloudy, 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			
<u>PW-7 remains ON at a steady level 12.</u>			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-5 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>4</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>4</u> ft
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>3</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>12</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>5</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>10/9/10 Air Stripper Low Level</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>15</u> gpm		INFLUENT TOTALIZER READING: <u>940,597.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>15</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>25.5</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>8.0</u> ml/min		METERING PUMP PRESSURE: <u>4.0</u> psi	
BAG FILTER PRESSURES:			
	LEFT:	Top Bottom <u>0</u> <u>0</u> psi	RIGHT: Top Bottom <u>6</u> <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>12</u> psi	
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>4.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.018</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.0</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>8.0</u> psi	
EFFLUENT FLOW RATE: <u>113</u> gpm		EFFLUENT TOTALIZER READING: <u>60,814,985</u> 96360 gallons	
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		INSIDE TEMPERATURE (° F): <u>65</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>4.0</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

12-Oct-10

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	11:30 AM	7.61	7.13	14.6	2669
AIR STRIPPER EFFLUENT:	EFF	11:30 AM	8.5	1550	14.7	2640

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: Reduced Jesco pump slightly to: Left 2.0; Right 0.8.

Air Stripper is corroded through and was patched in dozens of places. Several slow leaks persist.

Other Actions: Repaired damaged drum cart.

Changed bag filters. Old repaired filter basket was split open at the side. Replaced it with a new heavy duty basket.

PW-7 - cleaned transducer, cleared plugged horizontal pipe, replaced well pump.

AGWAY

SYSTEM VACUUM: <u>-22</u> in. H ₂ O				AIR PRESSURE: <u>120</u> psi					
SP-1:	<u>> 10</u>	scfm	<u>4.0</u>	psi	SP-5:	<u>0.0</u>	scfm	<u>28.5</u>	psi
SP-2:	<u>0.0</u>	scfm	<u>6.0</u>	psi	SP-6:	<u>0.0</u>	scfm	<u>> 30</u>	psi
SP-3:	<u>0.0</u>	scfm	<u>6.0</u>	psi	SP-7:	<u>0.0</u>	scfm	<u>> 30</u>	psi
SP-4:	<u>0.0</u>	scfm	<u>6.0</u>	psi	SP-8:	<u>0.0</u>	scfm	<u>> 30</u>	psi

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

Remarks: Drained (2) gals from SVE drum.

Other Actions:

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

DATE: 19-Oct-10 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Partly cloudy, cool OUTSIDE TEMPERATURE (° F): 50

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: _____ If "NO", provide explanation below
PW-8 remains ON at a steady level 6.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>8</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>4</u> ft	PW-7	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>8</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>6</u> ft

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

NOTES: _____

INFLUENT FLOW RATE: 10 gpm INFLUENT TOTALIZER READING: 1,128,256.0 gallons

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

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

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	RIGHT:	Top	Bottom
		<u>0</u>	<u>0</u> psi		<u>14</u>	<u>0</u> psi

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

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 4.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.018 in. H₂O DISCHARGE PRESSURE: 1.3 in. H₂O

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

EFFLUENT FLOW RATE: 107 gpm EFFLUENT TOTALIZER READING: 60,924,702 207820 gallons

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

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

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

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

19-Oct-10

SAMPLES COLLECTED? YES: _____ NO: ✓

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

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

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

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

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

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

Remarks: _____

Other Actions: _____

AGWAY

SYSTEM VACUUM: <u> -22 </u> in. H ₂ O				AIR PRESSURE: <u> 30 </u> psi			
SP-1:	<u> > 10 </u>	scfm	<u> 3.5 </u> psi	SP-5:	<u> 0.0 </u>	scfm	<u> 28.0 </u> psi
SP-2:	<u> 0.0 </u>	scfm	<u> 13.5 </u> psi	SP-6:	<u> 0.0 </u>	scfm	<u> > 30 </u> psi
SP-3:	<u> 0.0 </u>	scfm	<u> 13.0 </u> psi	SP-7:	<u> 0.0 </u>	scfm	<u> > 30 </u> psi
SP-4:	<u> 0.0 </u>	scfm	<u> 13.0 </u> psi	SP-8:	<u> 0.0 </u>	scfm	<u> > 30 </u> psi

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

Remarks: Drained (2) gals from SVE drum.

Other Actions: Condensate Valve stuck open. Disassembled and cleaned. Test - OK.

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

DATE: <u>25-Oct-10</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____	
WEATHER CONDITIONS: <u>Cloudy, rain, warm</u>		OUTSIDE TEMPERATURE (° F): <u>68</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: _____ If "NO", provide explanation below			
<u>PW-10 is ON at a steady level 10.</u>			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-5 ON: _____ OFF: <input checked="" type="checkbox"/> <u>7</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-6 ON: _____ OFF: <input checked="" type="checkbox"/> <u>3</u> ft
PW-3	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>7</u> ft	PW-7 ON: _____ OFF: <input checked="" type="checkbox"/> <u>4</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>9</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: _____ <u>10</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>10/13/10 Air Stripper Low Level</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>23</u> gpm		INFLUENT TOTALIZER READING: <u>1,301,084.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>33</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>55</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>4.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</u> psi	
BAG FILTER PRESSURES:			
	LEFT:	Top Bottom <u>0</u> <u>0</u> psi	RIGHT: Top Bottom <u>6</u> <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		INFLUENT PUMP PRESSURE: <u>12</u> psi	
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>4.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.017</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.3</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>10.5</u> psi	
EFFLUENT FLOW RATE: <u>104</u> gpm		EFFLUENT TOTALIZER READING: <u>61,027,820</u> 312510 gallons	
ARE BUILDING HEATERS IN USE? YES: _____ NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (° F): <u>72</u>	
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: _____	
WATER LEVEL IN SUMP: <u>7.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____	

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

DATE: <u>2-Nov-10</u>		ACTIVITIES: <u>Site Inspection</u>													
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>-----</u>													
WEATHER CONDITIONS: <u>Sunny, cool</u>		OUTSIDE TEMPERATURE (°F): <u>38</u>													
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below <u>PW-8 remains ON at a steady level 13.</u>															
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 type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>7</u> ft												
PW-2	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>7</u> ft	PW-6 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>4</u> ft												
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-7 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>7</u> ft												
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>13</u> ft												
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>10/13/10 Air Stripper Low Level</u>													
NOTES: _____															
INFLUENT FLOW RATE: <u>35</u> gpm		INFLUENT TOTALIZER READING: <u>1,528,988.0</u> gallons													
SEQUESTERING AGENT DRUM LEVEL: <u>22</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>37.5</u> gallons													
SEQUESTERING AGENT FEED RATE: <u>6.0</u> ml/min		METERING PUMP PRESSURE: <u>4.0</u> psi													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Top</td> <td style="text-align: center;">Bottom</td> <td></td> <td style="text-align: center;">Top</td> <td style="text-align: center;">Bottom</td> </tr> <tr> <td>BAG FILTER PRESSURES:</td> <td>LEFT: <u>0</u></td> <td><u>0</u> psi</td> <td>RIGHT:</td> <td><u>6</u></td> <td><u>0</u> psi</td> </tr> </table>					Top	Bottom		Top	Bottom	BAG FILTER PRESSURES:	LEFT: <u>0</u>	<u>0</u> psi	RIGHT:	<u>6</u>	<u>0</u> psi
	Top	Bottom		Top	Bottom										
BAG FILTER PRESSURES:	LEFT: <u>0</u>	<u>0</u> psi	RIGHT:	<u>6</u>	<u>0</u> psi										
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>12</u> psi													
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>6.0</u> in. H ₂ O													
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.02</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.3</u> in. H ₂ O													
EFFLUENT PUMP IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>11.5</u> psi													
EFFLUENT FLOW RATE: <u>108</u> gpm		EFFLUENT TOTALIZER READING: <u>61,163,922</u> 450540 gallons													
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>55</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>6.0</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

2-Nov-10

SAMPLES COLLECTED? YES: NO:

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

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

WERE MANHOLES INSPECTED? YES: NO:

WERE ELECTRICAL BOXES INSPECTED? YES: NO:

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

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

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

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

Other Actions:

AGWAY

SYSTEM VACUUM: -23 in. H₂O AIR PRESSURE: 0 psi

SP-1: _____ scfm _____ psi	SP-5: _____ scfm _____ psi
SP-2: _____ scfm _____ psi	SP-6: _____ scfm _____ psi
SP-3: _____ scfm _____ psi	SP-7: _____ scfm _____ psi
SP-4: _____ scfm _____ psi	SP-8: _____ scfm _____ psi

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

Remarks: Loud clatter coming from new electric motor on compressor. Belt is not turning pump motor. Silver dust is all over the inside of the shed. Shut down system.

Other Actions:

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

Date: 27-Oct-10

Measurements taken by: R. Allen

RW-1	<u>17.60</u> ft	Comments:	
PZ-1A	<u>-----</u> ft	Comments:	car parked over
PZ-1B	<u>11.12</u> ft	Comments:	
PZ-1C	<u>12.66</u> ft	Comments:	
PZ-1D	<u>12.75</u> ft	Comments:	
PW-2	<u>19.70</u> ft	Comments:	
PZ-2A	<u>11.28</u> ft	Comments:	
PZ-2B	<u>11.62</u> ft	Comments:	
PZ-2C	<u>11.07</u> ft	Comments:	
MW-7	<u>11.63</u> ft	Comments:	Substitute for 2D
PW-3	<u>18.90</u> ft	Comments:	
PZ-3A	<u>11.78</u> ft	Comments:	
PZ-3B	<u>11.86</u> ft	Comments:	
PZ-3C	<u>12.32</u> ft	Comments:	
PZ-3D	<u>11.85</u> ft	Comments:	
PW-4	<u>-----</u> ft	Comments:	sealed cover
PZ-4A	<u>11.91</u> ft	Comments:	
PZ-4B	<u>11.30</u> ft	Comments:	
PZ-4C	<u>-----</u> ft	Comments:	damaged
PZ-4D	<u>10.83</u> ft	Comments:	

PW-5	<u>14.90</u> ft	Comments:	
PZ-5A	<u>10.90</u> ft	Comments:	
PZ-5B	<u>11.12</u> ft	Comments:	
PZ-5C	<u>10.73</u> ft	Comments:	
PZ-5D	<u>11.55</u> ft	Comments:	
PW-6	<u>17.80</u> ft	Comments:	
PZ-6A	<u>12.03</u> ft	Comments:	
PZ-6B	<u>11.91</u> ft	Comments:	
PZ-6C	<u>12.11</u> ft	Comments:	
PZ-6D	<u>11.78</u> ft	Comments:	Shown as RW-2 on map
PW-7	<u>18.40</u> ft	Comments:	
MPI-6S	<u>11.60</u> ft	Comments:	
PZ-7B	<u>11.91</u> ft	Comments:	
OW-B	<u>11.68</u> ft	Comments:	
PZ-7D	<u>11.51</u> ft	Comments:	
PW-8	<u>15.60</u> ft	Comments:	
PZ-8A	<u>8.55</u> ft	Comments:	
PZ-8B	<u>8.57</u> ft	Comments:	
PZ-8C	<u>8.10</u> ft	Comments:	
PZ-8D	<u>8.40</u> ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

RW-1 pump on?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
PW-2 pump on?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
PW-3 pump on?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
PW-4 pump on?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

PW-5 pump on?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
PW-6 pump on?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
PW-7 pump on?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
PW-8 pump on?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 10/2010

DATE	ACTIVITY
2-Oct	OM&M end of month summaries
4-Oct	OM&M office work. Record Air Stripper exhaust demensions. Get bids on exhaust replacement.
5-Oct	OM&M Weekly Inspection. Prepare to disassemble Air Stripper.
6-Oct	Disassemble Air Stripper and clean.
7-Oct	Assemble Air Stripper. Repair corrosion holes. Clean Treatment Room.
8-Oct	OM&M office work. Inspect and repair Air Stripper corrosion holes.
9-Oct	Inspect and repair Air Stripper.
10-Oct	Inspect Air Stripper. Pour decanted Air Stripper cleaning water into system.
12-Oct	OM&M Weekly Inspection and sampling. Repaired damaged drum cart.
13-Oct	Change bag filters. Clean Treatment Room.
14-Oct	Draw plan for effluent pipe braces. Research hardware.
15-Oct	PW-7 - replace pump and purge horizontal lines.
19-Oct	OM&M Weekly Inspection. Disassemble and clean out condensate valve.
25-Oct	OM&M Weekly Inspection.
27-Oct	Piezometer Readings.
28-Oct	OM&M office work

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 10/2010

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Blower #1 - replace starter motor (contactor)	The contactor is defective for this motor. Replace the unit.	Jul-10
Blower #2 - replace starter motor (contactor)	The contactor is defective for this motor. Replace the unit.	Jul-10
Influent Pump #2 - replace starter	The contactor is defective for this motor. Replace the unit.	Jul-10
Fix Leak in Influent Pipe	A leak started in the Redux fitting in the Influent Pipe. Replace corroded fitting.	Jul-10
Sump pump pipe disconnects	The sump pump pipe was not cemented onto the fitting at the Equalization Tank. Cement the loose pipe back onto the fitting.	Jul-10
Champion Compressor Maintenance	Change oil and air filter.	Jul-10
Champion Compressor not running	Diagnose problem to the electric motor. Remove and take to S&S Electric for repair. Motor is burned up and not worth repairing. Replaced motor.	Aug-10
Air Stripper readings are high	Clean air stripper trays: Brushed trays through access ports, pressure washed trays through ports.	Sep-10
Schedule Air Stripper Disassembly	Trays need to be periodically disassembled so that built up scale can be brushed off with power tools.	Oct-10
Repair holes in Air Stripper	The Air Stripper trays are corroded through in dozens of places. Some holes are near the rubber gaskets so as to make a welding repair impossible. Patch holes with J-B Weld.	Oct-10
PW-7 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	Oct-10
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	To be ordered
AS / SVE System Evaluation	Agway Shed - test & evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	in progress
Service Compressor	Champion Machinery reveals compressor is a 1992 model. Compressor pump needs service, including a valve kit.	in progress
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild Automatic Tank Drain Valve (ATDV)	Factory recommends rebuilding the ATDV on a compressor of this age. Order rebuild kit and repair. Have purchased rebuild kit.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Purge PW-5	Inspect, purge well, clean pump, plastic pipe and transducer. Trouble shoot problems.	in progress
Agway Shed Concrete Dump	Approximately 1/4 yard of concrete was washed out on the north side of the Agway Shed. Concrete should be removed.	in progress
Trim Broken Piezometers	Many of the piezometers are broken. Measuring water levels is not precise when a pipe is broken. Identify and trim all broken piezometers.	in progress
Repair Filter Basket	The handle loop on a filter basket broke. Weld handle back in place.	in progress
Cool Treatment Room	Temperature in Treatment Room is well above 90 degrees during the summer months. Need to increase outside air inflow to the room.	in progress
Repaired Filter Basket splits	An old bag filter basket that was repaired once has split open down its side. Order (2) more of the heavy duty filter baskets from Rosedale Products.	in progress
PW-8 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	in progress

Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: J1938

Sampled: October 5, 2010

Received: October 25, 2010

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

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

Mitkem Work Order ID: J1938

October 25, 2010

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

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

Sample Transmittal Documentation



CHAIN OF CUSTODY RECORD

A DIVISION OF SPECTRUM ANALYTICAL, INC. FEATURING HANIBAL TECHNOLOGY

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

Page 1 of 1

Project No.: _____
 Site Name: MC CS O M & M State: NY
 Location: East Aurora
 Sampler(s): R. Allen

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

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

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9= _____ 10= _____ 11= _____

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

Containers: # of Amber Glass # of Clear Glass # of Plastic

Matrix Type

QA/QC Reporting Level
 Level I Level II
 Level III Level IV
 Other CAT A
 State specific reporting standards: _____

Lab Id.	Sample Id.	Date	Time	Matrix	Type	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Notes
<u>J1938</u>	<u>INFLUENT</u>	<u>08/25/10</u>	<u>3:00 P</u>	<u>GW</u>	<u>G</u>				<u>1</u>	
	<u>INFLUENT</u>		<u>3:00 P</u>	<u>GW</u>	<u>G</u>				<u>1</u>	
	<u>INFLUENT</u>		<u>3:00 P</u>	<u>GW</u>	<u>G</u>	<u>2</u>			<u>1</u>	
	<u>EFFLUENT</u>		<u>3:30 P</u>	<u>GW</u>	<u>G</u>				<u>1</u>	
	<u>EFFLUENT</u>		<u>3:30 P</u>	<u>GW</u>	<u>G</u>				<u>1</u>	
	<u>EFFLUENT</u>		<u>3:30 P</u>	<u>GW</u>	<u>G</u>	<u>2</u>			<u>1</u>	

E-mail to msteffan@ene.com
 EDD Format PDF
 Condition upon receipt: Sealed Ambient 4

Relinquished by: Richard C. Allen Jr
WPS

Received by: Steffen Date: 10/6/10 Time: 11:20

0000

MITKEM LABORATORIES
Sample Condition Form

Received By: <u>Ed Smith</u>		Reviewed By: <u>[Signature]</u>		Date: <u>10/6/10</u>	Mitkem Work Order #: <u>J1938</u>						
Client Project: <u>Mr. C Compliance</u>				Client: <u>EVE</u>				Soil			
1) Cooler Sealed	<u>Yes</u> / No	Lab Sample ID		Preservation (pH)					VOA Matrix	Headspace or Air Bubble ≥ 1/4"	
		<u>J1938</u>	<u>01</u>	<u>L2</u>							<u>H</u>
		<u>J1938</u>	<u>02</u>	<u>L2</u>							<u>H</u>
2) Custody Seal(s)	<u>Present</u> / Absent										
	<u>Coolers</u> / Bottles										
	<u>Intact</u> / Broken										
3) Custody Seal Number(s)	<u>N/A</u>										
4) Chain-of-Custody	<u>Present</u> / Absent										
5) Cooler Temperature	<u>4.0°C</u>										
IR Temp Gun ID	<u>MT-1</u>										
Coolant Condition	<u>ICE</u>										
6) Airbill(s)	<u>Present</u> / Absent										
Airbill Number(s)	<u>UPS</u>										
	<u>12 FR8 725 13 9122 733 1</u>										
7) Samples Bottles	<u>Intact</u> / Broken / Leaking										
8) Date Received	<u>10/6/10</u>										
9) Time Received	<u>11:20</u>										
Preservative Name/Lot No.:											

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

See Sample Condition Notification/Corrective Action Form yes / no

Form ID: QAF.0006

Rad OK yes / no



* Volatiles *

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J1938 Mod. Ref No.: _____ SDG No.: SJ1938
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1938-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L8842.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/06/2010
 % Moisture: not dec. Date Analyzed: 10/13/2010
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	µg/L	
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		8.4	J
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		22	
67-66-3	Chloroform		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon tetrachloride		10	U
107-06-2	1,2-Dichloroethane		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		36	
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		670	
591-78-6	2-Hexanone		50	U
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	Xylene (Total)		10	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J1938 Mod. Ref No.: _____ SDG No.: SJ1938
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1938-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L8842.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/06/2010
 % Moisture: not dec. Date Analyzed: 10/13/2010
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

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

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J1938 Mod. Ref No.: _____ SDG No.: SJ1938
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1938-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L8846.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/06/2010
 % Moisture: not dec. Date Analyzed: 10/13/2010
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	µg/L	
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		3.3	J
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		0.78	J
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
106-93-4	1,2-Dibromoethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylene (Total)		1.0	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J1938 Mod. Ref No.: _____ SDG No.: SJ1938
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1938-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L8846.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/06/2010
 % Moisture: not dec. Date Analyzed: 10/13/2010
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

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

Attachment C
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: J1993

Sampled: October 12, 2010

Received: November 1, 2010

REPORT NARRATIVE

Mitekem Laboratories, a Division of Spectrum Analytical, Inc.

Client : Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: J1993

SW846 8260C

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8260C

IV. PREPARATION

V. INSTRUMENTATION

The following instrumentation was used to perform

Instrument Code: V2

Instrument Type: GCMS-VOA

Description: HP5890 II / HP5972

Manufacturer: Hewlett-Packard

Model: 5890 / 5972

GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCSD-55009 in batch 55009, Percent Recovery is outside QC Limits, recovery is below criteria for 1,1,2-Trichloroethane at 71% with criteria of (75-125), 1,2-Dibromoethane at 79% with criteria of (80-120)

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Duplicate sample:

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

F. Internal Standards:

Internal standard peak areas were within the QC limits.

G. Dilutions:

No sample in this SDG required analysis at dilution.

H. Samples:

No other unusual occurrences were noted during sample analysis.

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

Signed: KChin

Date: 10/28/10

REPORT NARRATIVE

Mitekem Laboratories, a Division of Spectrum Analytical, Inc.

Client : Ecology and Environment-Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: J1993

SM 4500 H+ B, SM2340

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation,

II. HOLDING-TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times. Please note that pH analysis was performed as soon as possible following sample receipt at the laboratory. This occurred approximately 25 hours from sample collection.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 4500 H+ B and SM2340.

IV. PREPARATION

V. INSTRUMENTATION

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

Instrument Code: OPTIMA2
Instrument Type: ICP
Description: Optima 3100 XL
Manufacturer: Perkin-Elmer
Model: 3100 XL

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Duplicate sample:

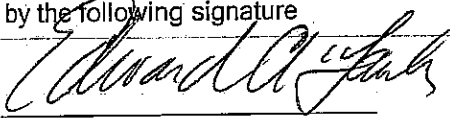
Relative percent differences were within the QC limits.

D. Samples:

No other unusual occurrences were noted during sample analysis.

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

Signed: _____



Date: _____

11/11/10

Sample Transmittal Documentation



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY.

CHAIN OF CUSTODY RECORD

Special Handling: RC-A

~~Standard TAT 7 to 10 business days~~
 Rush TAT Date Needed: 10/20/10
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Page 1 of 1

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

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

Invoice To: E & E, Inc

Project No.: _____

Site Name: Mr Cs O M & M State: NY

Location: East Avoca

Sampler(s): R. Allen

P.O. No.: _____ RQN: _____

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH 11= _____
 8=NaHSO₄ 9= _____ 10= _____

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

List preservative code below: _____

QA/QC Reporting Notes: (check as needed)
 Provide MA DEP MCP CAM Report
 Provide CT DPH RCP Report
 QA/QC Reporting Level
 Standard No QC
 Other CAT A
 State specific reporting standards: _____

Lab Id:	Sample Id:	Date:	Time:	Matrix Type	Containers:			Temp. °C
					# of VOA Vials	# of Amber Glass	# of Clear Glass	
51993								
01	INFLEWENT	10/12/10	1:00 PM	GW			1	✓
01	INFLEWENT		1:00 PM	GW			1	✓
01	INFLEWENT		1:00 PM	GW 2				✓
02	EFFLUENT		1:00 PM	GW			1	✓
02	EFFLUENT		1:00 PM	GW			1	✓
02	EFFLUENT		1:00 PM	GW 2				✓

Relinquished by: Richard C Allen Jr Received by: Andrew N's

Date: 10/13/10 Time: 11:35 Temp. °C: 6.0

EDD Format: PDF

E-mail to: msteffan@ene.com

Ambient Iced Refrigerated Fridge temp °C Freezer temp °C

0007

MITKEM LABORATORIES

Sample Condition Form

Received By: CAW Reviewed By: [Signature] Date: 10/13/10 Mitkem Work Order #: J1993

Client Project: mcc3 om & m Client: ENE Soil Headspace or Air Bubble ≥ 1/4"

	Lab Sample ID	Preservation (pH)					VOA Matrix	
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed <input checked="" type="radio"/> Yes <input type="radio"/> No	J1993 01						H	
	J1993 02						H	
2) Custody Seal(s) <input checked="" type="radio"/> Present <input type="radio"/> Absent <input checked="" type="radio"/> Coolers <input type="radio"/> Bottles <input checked="" type="radio"/> Intact <input type="radio"/> Broken								
3) Custody Seal Number(s) <u>NA</u>								
4) Chain-of-Custody <input checked="" type="radio"/> Present <input type="radio"/> Absent								
5) Cooler Temperature <u>6.00</u> IR Temp Gun ID <u>MT-1</u> Coolant Condition <u>ICE</u>								
6) Airbill(s) <input checked="" type="radio"/> Present <input type="radio"/> Absent Airbill Number(s) <u>JRS</u> <u>12 FR87051398091911</u>								
7) Samples Bottles <input checked="" type="radio"/> Intact <input type="radio"/> Broken <input type="radio"/> Leaking								
8) Date Received <u>10/13/10</u>								
9) Time Received <u>11:35</u>								

Preservative Name/Lot No.: _____

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

See Sample Condition Notification/Corrective Action Form yes / no
 Form ID: QAF.0006 Rad OK yes no





* Volatiles *

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J1993 Mod. Ref No.: _____ SDG No.: SJ1993
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1993-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V219019-D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/13/2010
 % Moisture: not dec. Date Analyzed: 10/25/2010
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	ug/L	
75-71-8	Dichlorodifluoromethane		5.0	U
74-87-3	Chloromethane		5.0	U
75-01-4	Vinyl chloride		5.0	U
74-83-9	Bromomethane		5.0	U
75-00-3	Chloroethane		5.0	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
67-64-1	Acetone		25	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl ether		8.8	
75-34-3	1,1-Dichloroethane		5.0	U
78-93-3	2-Butanone		25	U
156-59-2	cis-1,2-Dichloroethene		24	
67-66-3	Chloroform		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon tetrachloride		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		37	
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
108-10-1	4-Methyl-2-pentanone		25	U
108-88-3	Toluene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
127-18-4	Tetrachloroethene		760	
591-78-6	2-Hexanone		25	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethylbenzene		5.0	U
1330-20-7	Xylene (Total)		5.0	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J1993 Mod. Ref No.: _____ SDG No.: SJ1993
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1993-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L9019-D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/13/2010
 % Moisture: not dec. Date Analyzed: 10/25/2010
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS. NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	µG/L	
100-42-5	Styrene		5.0	U
75-25-2	Bromoform		5.0	U
98-82-8	Isopropylbenzene		5.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.0	U
541-73-1	1,3-Dichlorobenzene		5.0	U
106-46-7	1,4-Dichlorobenzene		5.0	U
95-50-1	1,2-Dichlorobenzene		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.0	U
120-82-1	1,2,4-Trichlorobenzene		5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		5.0	U
110-82-7	Cyclohexane		5.0	U
79-20-9	Methyl acetate		5.0	U
108-87-2	Methylcyclohexane		5.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J1993 Mod. Ref No.: _____ SDG No.: SJ1993
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1993-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L9018-D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/13/2010
 % Moisture: not dec. Date Analyzed: 10/25/2010
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	µg/L	
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		1.0	U
75-09-2	Methylene chloride		1.0	U
156-60-5	trans-1,2-Dichloroethene		1.0	U
1634-04-4	Methyl tert-butyl ether		2.0	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		1.1	
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		1.2	
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		16	
591-78-6	2-Hexanone		5.0	U
124-48-1	Dibromochloromethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylene (Total)		1.0	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

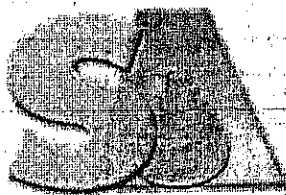
CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J1993 Mod. Ref No.: _____ SDG No.: SJ1993
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J1993-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L9018.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/13/2010
 % Moisture: not dec. Date Analyzed: 10/25/2010
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

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

MITKEM
LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: 19-Oct-10

Client: Ecology and Environment Engineering P.C.

Client Sample ID: INFLUENT

Lab ID: J1993-01

Project: Mr. C's Dry Cleaning

Collection Date: 10/12/10 13:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	480		4.0	mg/L CaCO3		110/16/2010 9:34	54820
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	6.7		1.0	S.U.		110/13/2010 14:00	R52889

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 Laboratories

Date: 19-Oct-10

Client: Ecology and Environment Engineering P.C.

Client Sample ID: EFFLUENT

Lab ID: J1993-02

Project: Mr. C's Dry Cleaning

Collection Date: 10/12/10 13:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	490		4.0	mg/L CaCO3		110/16/2010 9:37	54820
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.6		1.0	S.U.		110/13/2010 14:05	R52889

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

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

Attachment E

**Field Report on the Air Stripper Cleaning and
Repairs**

October 6 and 7, 2010

Site Visit Report

Re: Mr. C's Site Visit

Site No.: NYSDEC Site #9-15-157

To: W. Welling, NYSDEC Project Manager

From: R. Moxley, EEEPC Representative

Dated: October 6, 2010

**Cc: Mike Steffan, EEEPC Project Manager
CTF - 002700.DC22.02**

A site visit to the Mr. C's site in East Aurora, New York was performed by Rachael Moxley (EEEPC) to observe the air stripper unit as it was taken down and cleaned. The site visit was performed on Wednesday, October 06, 2010, arriving at the site around 10:30 am and departing from the site at about 1:30 pm.

EEEPC's sub-contractor, IEG (Dharma Iyer and Rick Allen), was on-site, along with their general contractor, Acome Construction, Inc. (Jim Acome, Phil, Dan). Acome used a skid steer with a beam attachment to lift each tray of the air stripper up and out onto the paved area outside of the treatment system shed. The bottom tray had a vertical chute on one end and was propped up on the other end with a plastic drum.

IEG scraped the calcium and rust deposits and algae from the trays and scooped the water from the trays into 5-gallon buckets, which was to be transferred to 55-gallon drums. Sludge from the bottom of the air stripper was diluted with water so that it could be pumped out of the unit and into a 55-gallon drum. After the sludge in the buckets/drums settled, the supernatant would be pumped off and the sludge would be deposited in a designated plastic 55-gallon drum for disposal at a later date.

After all air stripper trays had been disassembled, work stopped for about 40 minutes for lunch. After lunch, IEG and Acome continued to pump sludge from the bottom of the air stripper unit and began to power wash the trays. Acome aims to have all trays cleaned by the end of the day.

After the air stripper is cleaned, IEG plans on opening the effluent pumps and performing any necessary cleaning. All work is expected to be complete tomorrow. Photos regarding the site are included below.

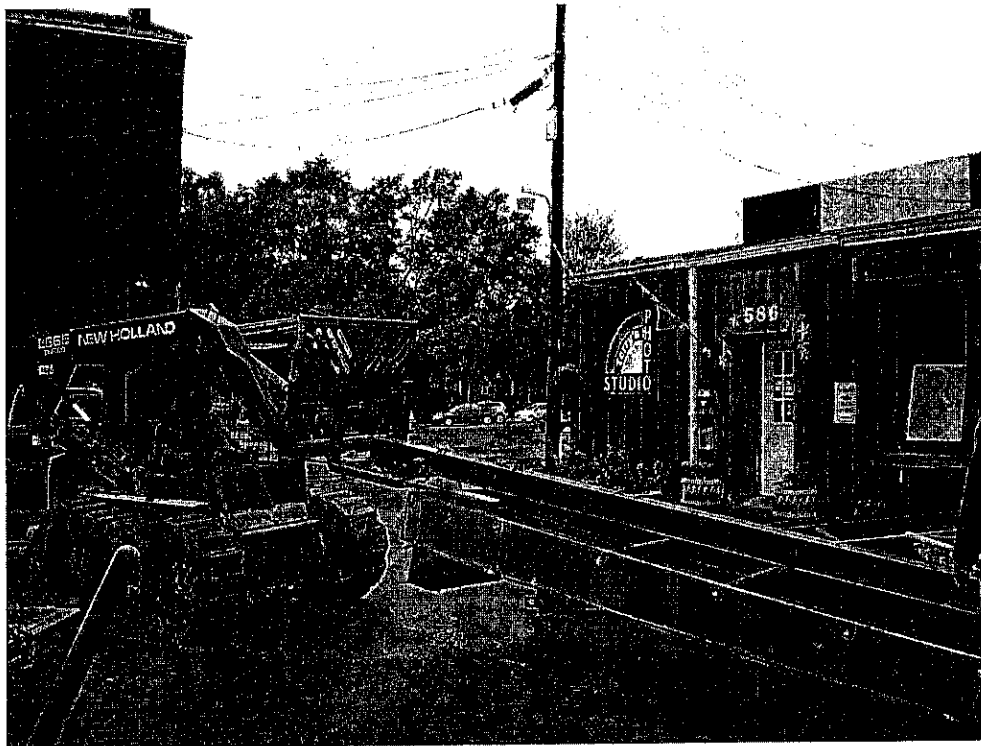


Photo 1: Air stripper tray dismantling

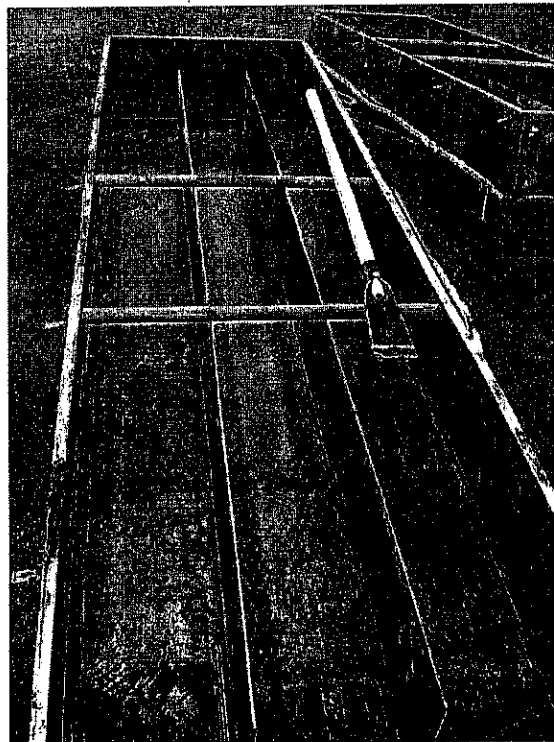


Photo 2: View of rust, calcium, and algae on top of tray



Photo 3: View of rust, calcium, and algae on bottom of tray

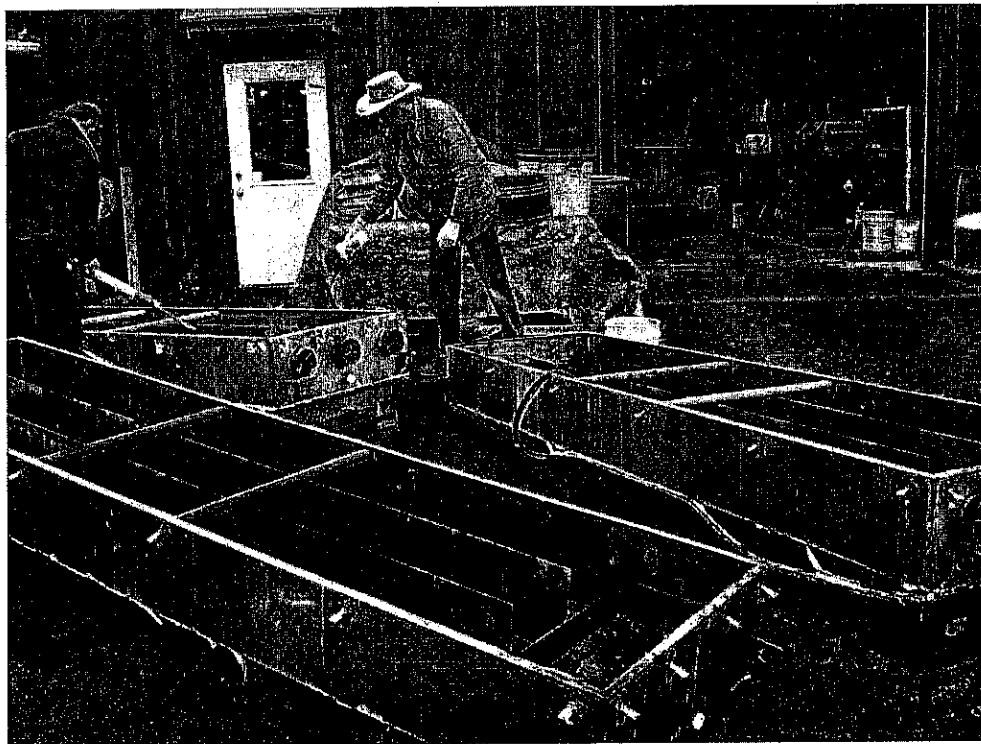


Photo 4: View of IEG scraping trays and removing water/sludge

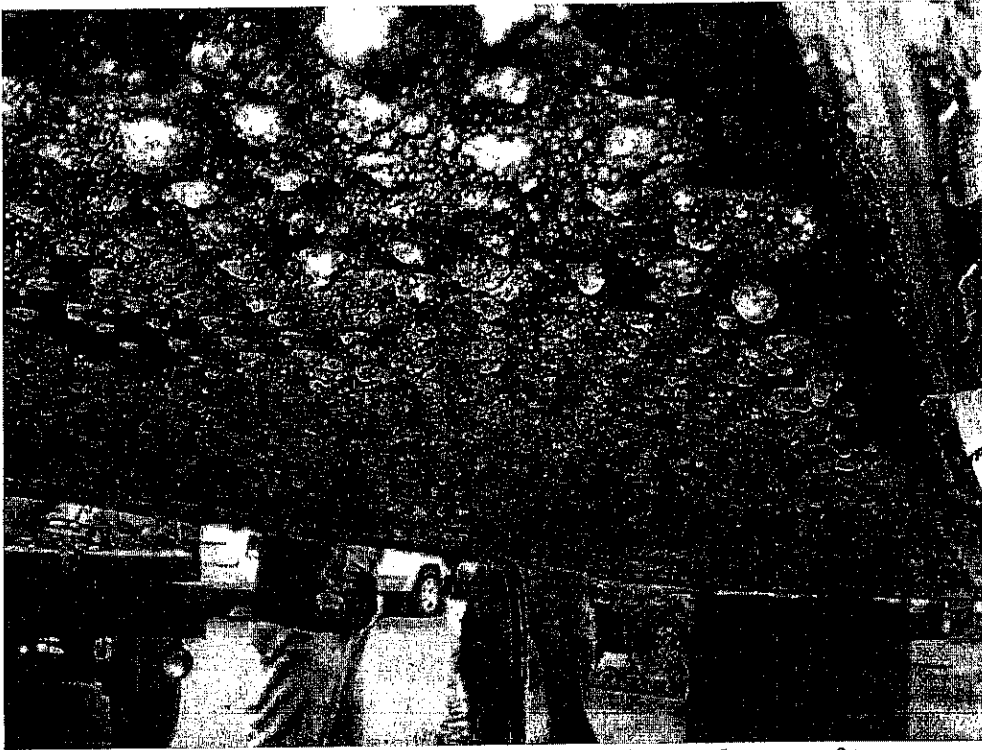


Photo 5: Closer view of rust, calcium, and algae on bottom of tray

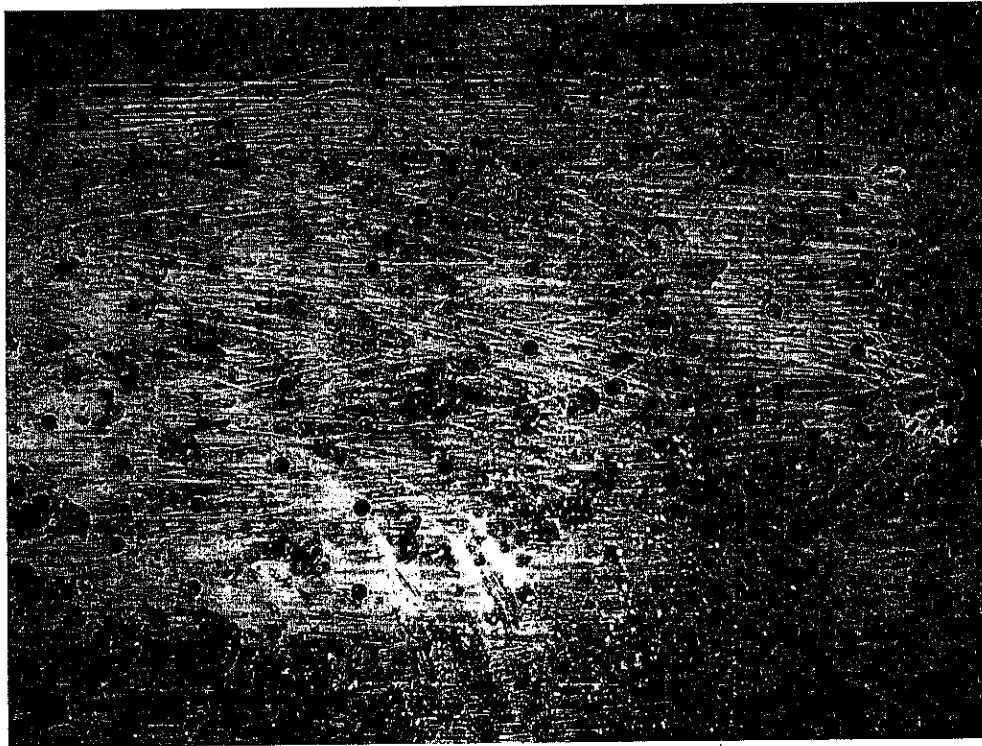


Photo 6: View of rust, calcium, and algae occluding orifices

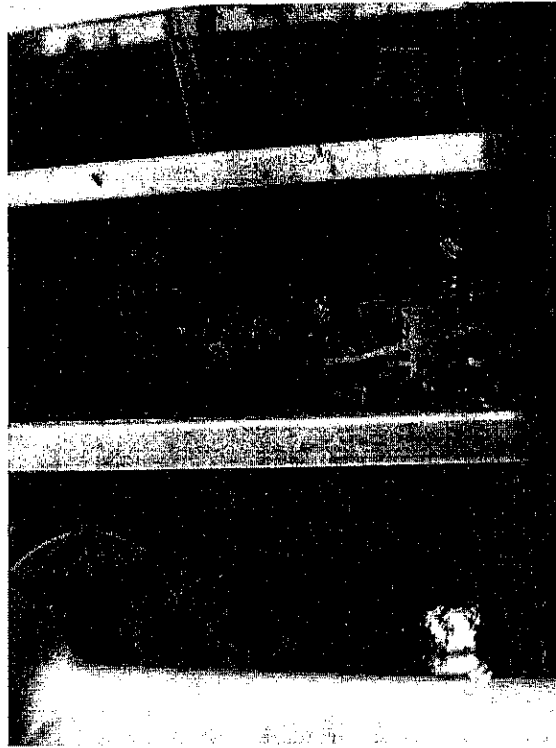


Photo 7: View of sludge and water pumped from bottom of air stripper



Photo 8: View of water/sludge being pumped to 55-gallon drums

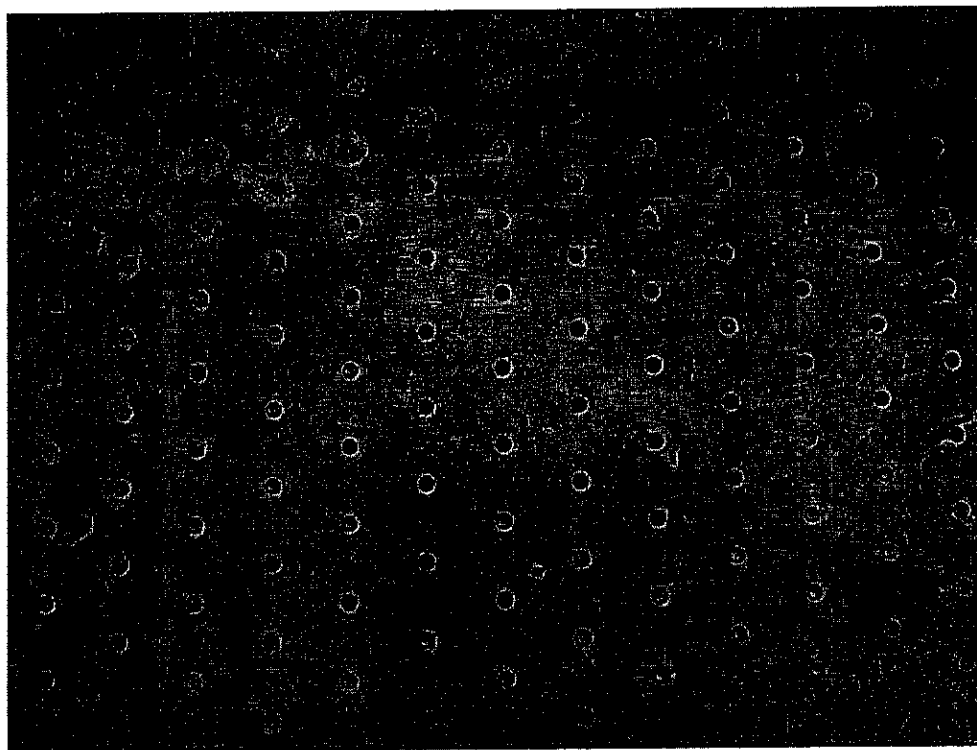


Photo 9: View of tray and orifices after some power washing, but before completely cleaned

Site Visit Report

Re: Mr. C's Site Visit

Site No.: NYSDEC Site #9-15-157

To: W. Welling, NYSDEC Project Manager

From: R. Moxley, EEEPC Representative

Dated: October 7, 2010

**Cc: Mike Steffan, EEEPC Project Manager
CTF - 002700.DC22.02**

A site visit to the Mr. C's site in East Aurora, New York was performed by Rachael Moxley (EEEEPC) to observe the air stripper unit after cleaning. The site visit was performed on Thursday, October 07, 2010, arriving on site around 11:50 am and departing from the site at about 12:30 pm.

Dharma Iyer and Rick Allen (IEG) were on-site at the time of arrival. IEG reported that cleaning of the air stripper and partial reassembly was completed yesterday, while the rest of the assembly had been completed that morning again with Acome Construction, Inc.

After power washing, holes could be seen in the air stripper trays on the opposite ends of the cleaning ports. There were also holes in the joints of the trays where the walls met. IEG plans to first try to patch the holes with J B Weld.

IEG has not yet opened the effluent pumps to perform any necessary cleaning, but aims to next week. The system will be started up on Friday, October 08, 2010. Photos regarding the site are included below.

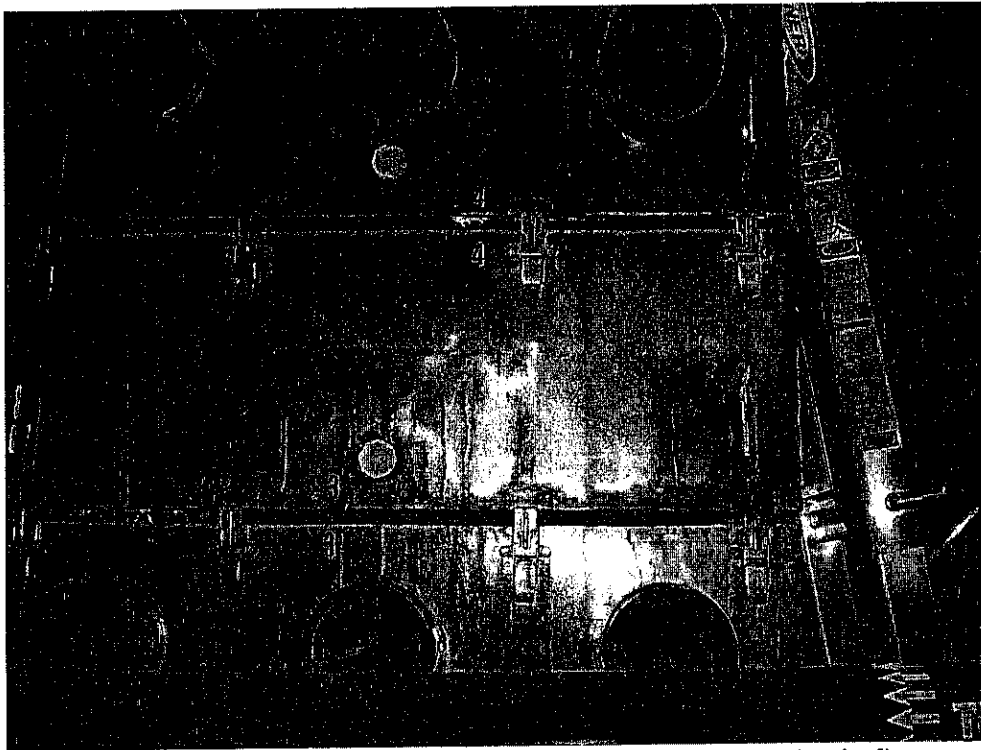


Photo 1: View of holes on the side of an air stripper tray (typical)

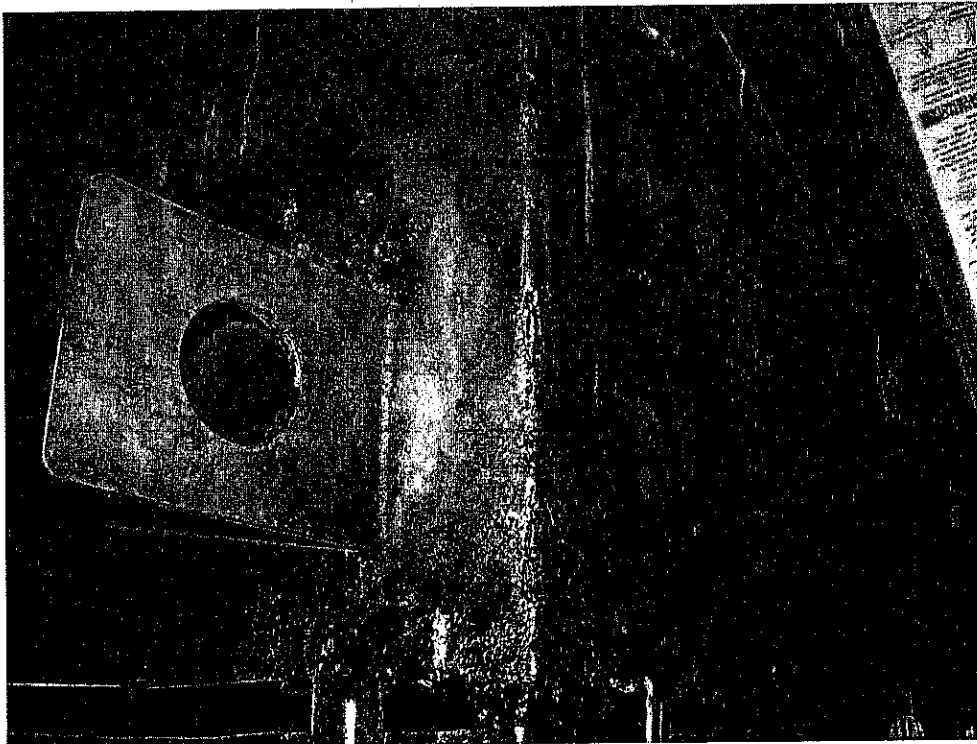


Photo 2: View of holes in the wall-to-wall joint of the air stripper

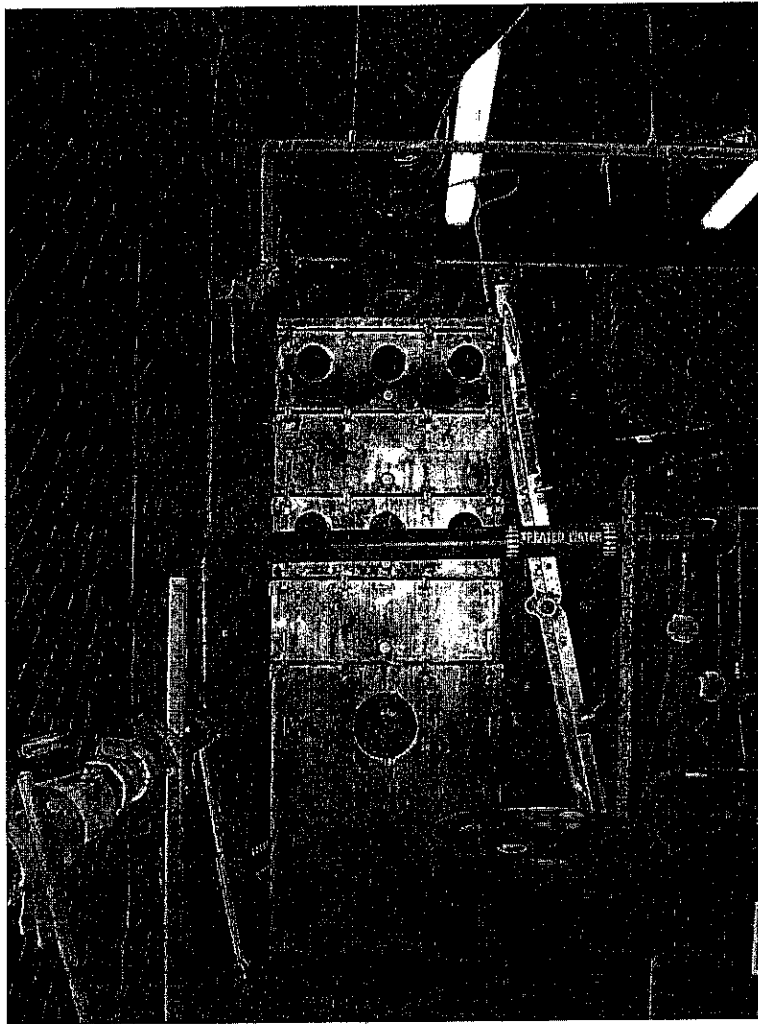


Photo 3: View of cleaned Air Stripper Unit