



ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER
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November 9, 2009

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
October 2009 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the October, 2009 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in Attachment A. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MTK) on October 23, 2009 are provided as Attachment B. The full analytical report along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for October 2009, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations Information

- The treatment system was operational for 100.0% of the period between 10/5/09 and 11/3/09. 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 October 2009 indicate that approximately 684,816 gallons of groundwater were processed through the remedial treatment system for the period between 10/5/09 and 11/3/09. 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.

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- Checklists for weekly system inspections from IEG are provided as Attachment A for, 10/5, 10/12, 10/19, 10/26 and 11/3/09. Weekly system checks indicated that the air stripper differential pressure remained between 0.05 to 0.055 inches of water while air stripper pressure varied between 14.0 and 18.0 inches of water column during the month of October 2009. These levels are within the operating range recommended by the equipment manufacturer.
- Filter gauge pressure readings observed during weekly inspections ranged between 0.0 and 6.0 psi, which is within the 15 psi operational limit indicated in the system operation and maintenance manual.
- The Redux sequestering agent approved by SPDES Equivalency permit for use at the Mr. C's site continues to be added to the process stream in order to minimize mineral deposition on the air stripper orifice plates. During October 2009, the feed rate for the agent ranged between 4.0 and 5.0 ml/min.
- The analytical samples for the monthly compliance were taken on October 6, 2009. The sampling results were received by EEEPC on October 23, 2009 (Attachment B). A review of the analytical data revealed the influent concentration detection limits to be 1184.0 ug/L or 1184.0 ppb, and 0.0 ug/L or 0.0 ppb of treated effluent. The air stripper unit on Mr. C's property is in compliance and MTK continues to provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. Based on analytical results for the October 6, 2009 sampling event, the Mr. C's treatment system continues to effectively remove targeted contaminants from the groundwater below the site.

Agway Site Remedial Information

- Road reconstruction continues in the frontage along Main Street in front of the Agway property. Equipment and construction materials have reappeared on the site along with increased traffic across the site. As per the Village Assessor the Agway property is owned by a new owner (Del-Tora – contact Robert Kowal - 716-796-4020) that resides in the village of East Aurora.
- IEG plans investigation of the SVE return lines for the Agway system once the road reconstruction has been completed along the front of the property in October 2009. A report will be prepared of the damage found to the monitoring and operational AS/SVE system at the Agway site for cost recovery or repair by NYSDOT.

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. The indoor ambient air report for the First Presbyterian Church was issued in January 2009. The final indoor air report for 27 Whaley Avenue was issued on April 10, 2009. In final review of the analytical results, the system is operating properly with PCE and TCE results below DOH guidelines.

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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 2009 and year to date are provided as Attachment C.

Analytical Summary – Groundwater

IEG personnel collected samples of influent and effluent groundwater from the Mr. C's Treatment System on October 6, 2009. Overall cleanup efficiency based on the recent analytical report (October 23, 2009 - Attachment B) for the reporting period 10/5/09 to 11/3/09 was 100.0% based on analytical testing performed by Mitkem Laboratories. Excerpts from the Analytical Data package for the October 6, 2009 sampling event are presented in Table 3.

The summary of Effluent Discharge Criteria & Analytical Compliance Results is presented in Table 4.

- Approximately 6.77 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 total calculated pounds of cVOC's removed by the system by month and by date is presented in Table 5. These values are 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.

Per our recent discussions the format of the OM&M reports will change beginning with the October 2009 report. The monthly document will be shortened to include only essential operating issues, operating tables for only 2009, important analytical information, and operating utility costs.

If you have questions regarding the October 2009 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 / 2009	Reporting Period	Treatment System Uptime Hours	Period Reporting Hours	Operational Up-time (%)
January	January 6, 2009 - February 2, 2009	672	672	100.00%
February	February 2, 2009 - March 5, 2009	600	744	80.65%
March	March 5, 2009 - April 2, 2009	672	672	100.00%
April	April 2, 2009 - May 4, 2009	768	768	100.00%
May	May 4, 2009 - June 2, 2009	696	696	100.00%
June	June 2, 2009 - July 7, 2009	840	840	100.00%
July	July 7, 2009 - August 5, 2009	696	696	100.00%
August	August 5, 2009 - September 2, 2009	672	672	100.00%
September	September 2, 2009 - October 5, 2009	792	792	100.00%
October	October 5, 2009 - November 3, 2009	696	696	100.00%
November				
December				
Total Hours		7,104.00	7,248.00	
Average Operational Up-time =				98.01%

NOTES:

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 Treated Water Volumes

Month	Actual Period	Gallons
January 2009 ¹	1/6/09 - 2/2/09	1,179,389
February 2009 ¹	2/2/09 - 3/5/09	1,076,674
March 2009 ¹	3/5/09 - 4/2/09	1,240,757
April 2009 ¹	4/2/09 - 5/4/09	1,182,657
May 2009 ¹	5/4/09 - 6/2/09	891,641
June 2009 ¹	6/2/09 - 7/7/09	599,957
July 2009 ¹	7/7/09 - 8/5/09	503,759
August 2009 ¹	8/5/09 - 9/2/09	594,592
September 2009 ¹	9/2/09 - 10/5/09	664,557
October 2009 ¹	10/5/09 - 11/3/09	684,816
November 2009 ¹		
December 2009 ¹		
Total Gallons Treated To Date:		8,618,799

NOTES:
1. System operated by IEG PLLC from 7/07 - present

Table 3
 Mr. C's Dry Cleaners Site Remediation
 NYSDEC Site #9-15-157
 October 2009 VOC Analytical Summary

Compound	Based on the 10/06/09 Effluent Sampling Results		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency (%)
Acetone	ND (<50.0)	U ND (<5.0)	NA
Benzene	ND (<10.0)	U ND (<1.0)	NA
2-Butanone	ND (<50.0)	U ND (<5.0)	NA
cis-1, 2-Dichloroethene	23.0	U ND (<1.0)	100%
Methylene chloride	ND (<10.0)	U ND (<1.0)	100%
Methyl tert-butyl ether (MTBE)	10.0	U ND (<1.0)	100%
Tetrachloroethene	1100.0	U ND (<1.0)	100%
Toluene	ND (<10.0)	U ND (<1.0)	NA
Trichloroethene	51.0	U ND (<1.0)	100%
Carbon Disulfide	ND (<10.0)	U ND (<1.0)	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<10.0)	U ND (<1.0)	NA
Cyclohexane	ND (<10.0)	U ND (<1.0)	NA
trans-1,2-dichloroethene	ND (<10.0)	U ND (<1.0)	NA
Methylcyclohexane	ND (<10.0)	U ND (<1.0)	NA
Total Xylenes	ND (<10.0)	U ND (<1.0)	NA
October 6, 2009 TOTALs (in ug/L) =	1184.0	0.00	100.00%

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

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

Parameter/Analyte	Daily Maximum	Units	October 6, 2009 Effluent Analytical Value
Flow	6.0 - 9.0	gpd	23,614.34
pH		standard units	7.90
1,1 Dichloroethene	10	µg/L	ND(<1.0)
1,2 Dichloroethane	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	ND(<1.0)
Tetrachloroethene	10	µg/L	ND(<1.0)
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	ND(<1.0)
o-Xylene ¹	5	µg/L	NA
m, p-Xylene ²	10	µg/L	NA
Total Xylenes	NA	µg/L	ND(<1.0)
Iron, total	600	µg/L	NA ³
Aluminum	4,000	µg/L	NA ³
Copper	48	µg/L	NA ³
Lead	11	µg/L	NA ³
Manganese	2,000	µg/L	NA ³
Silver	100	µg/L	NA ³
Vanadium	28	µg/L	NA ³
Zinc	230	µg/L	NA ³
Total Dissolved Solids	850	mg/L	NA ³
Total Suspended Solids	20	mg/L	NA ³
Hardness	N/A	mg/l	500
Cyanide, free	10	µg/L	NA ³

- 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 October 5, 2009 through November 3, 2009. Total gallons: 684,816 divided by 28 operating days (696 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
 NR
 Indicates non-compliance with the NYSDEC effluent discharge requirements
 Indicates Not Reported by Lab

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

Month / 2009	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
January 2009	1/6/09-2/2/09	950	11.40	9.24
February 2009	2/2/09-3/5/09	1594	0.80	14.32
March 2009	3/5/09-4/2/09	1046	0.00	10.82
April 2009	4/2/10-5/4/09	870	0.00	8.59
May 2009	5/4/09 - 6/2/09	957	0.00	7.12
June 2009	6/2/09 - 7/7/09	732	53.00	3.40
July 2009	7/7/09 - 8/5/09	752	0.00	3.16
August 2009	8/5/09 - 9/2/08	1294	0.92	6.41
September 2009	9/2/09 - 10/5/09	1713	0.00	9.50
October 2009	10/5/09 - 11/3/09	1184	0.00	6.77
November 2009				
December 2009				
Total pounds of VOCs removed since inception =				79.33

NOTES:

1. Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
2. Calculations assume that non-detect values = 0 ug/L.
3. Total VOCs summations include estimated "J" values.
4. Calculations are based on effluent totalizer readings.
5. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
6. 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 October 6, 2009:

Pounds of VOCs removed calculated by the following formula:

$$(1184.0 \text{ ug/L} - 0.00 \text{ ug/L}) * (1 \text{ g} / 10^6 \text{ ug}) * (1 \text{ lb} / 453.5924 \text{ g}) * 684,816 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 6.77 \text{ lbs}$$

where 684,816 gallons is the monthly process water volume.

Attachment A
IEG Weekly Inspection Reports
October 2009

Including:

10/5/09

10/12/09

10/19/09

10/26/09

11/3/09

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

DATE: <u>5-Oct-09</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____	
WEATHER CONDITIONS: <u>Partly cloudy, cool</u>		OUTSIDE TEMPERATURE (° F): <u>55</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: _____ If "NO", provide explanation below			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>9</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>4</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-8 ON: _____ OFF: <input checked="" type="checkbox"/> <u>5</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>9/30/09 Air Stripper Low Air Pressure</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>49</u> gpm		INFLUENT TOTALIZER READING: <u>784,300.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>17</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>29</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>4.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</u> psi	
BAG FILTER PRESSURES:			
		Top	Bottom
LEFT:	<u>0</u>	<u>0</u>	psi
RIGHT:	<u>5.5</u>	<u>0</u>	psi
INFLUENT FEED PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>16</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>0.052</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.4</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>7.0</u> psi	
EFFLUENT FLOW RATE: <u>87</u> gpm		EFFLUENT TOTALIZER READING: <u>54,605,501</u> 817390 gallons	
ARE BUILDING HEATERS IN USE? YES: _____ NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (° F): <u>60</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>6.5</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____	

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

5-Oct-09

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	12:30 PM	7.28	7.46	14.5	2626
AIR STRIPPER EFFLUENT:	EFF	12:30 PM	8.61	6.8	15.1	2470

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

WERE MANHOLES INSPECTED? YES: NO:

WERE ELECTRICAL BOXES INSPECTED? YES: NO:

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

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

PZ-4C is damaged from snowplow.

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

Remarks: Increased Redux pump to: Left 2.4; Right 1.4.
 Effluent vent vacuum release leaking more.

Other Actions: Emptied old Redux drum into present drum. Have (1) full drum.
 Swept up spruce needles and cones from Library parking lot around groups PW-6 and PW-7.
 Hole in parking lot near corner of Main Street and Whaley Ave blew water and air bubbles when Bank 1 of the Air Sparging system was running.

AGWAY

SYSTEM VACUUM: <u>-22</u> in. H ₂ O				AIR PRESSURE: <u>10</u> psi			
SP-1:	<u>9.0</u>	scfm	<u>2.0</u> psi	SP-5:	<u>0.0</u>	scfm	<u>29.0</u> psi
SP-2:	<u>1.5</u>	scfm	<u>4.0</u> psi	SP-6:	<u>1.2</u>	scfm	<u>> 30</u> psi
SP-3:	<u>0.0</u>	scfm	<u>4.0</u> psi	SP-7:	<u>0.0</u>	scfm	<u>> 30</u> psi
SP-4:	<u>0.0</u>	scfm	<u>4.5</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: Construction equipment and vehicles parked throughout the site.
 Paid contractor \$200.00 for adjusting manhole cover down near group PW-3.

Other Actions: Drained 3 gals of water from SVE vacuum drum.

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

DATE: <u>12-Oct-09</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>Aaron Bender Pumping</u>									
WEATHER CONDITIONS: <u>Cloudy, cool</u>		OUTSIDE TEMPERATURE (° F): <u>55</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>8</u> ft	PW-5 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>4</u> ft								
PW-2	ON: <input checked="" type="checkbox"/>	OFF: <u>7</u> ft	PW-6 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>7</u> ft								
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</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>5</u> ft	PW-8 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>8</u> ft								
EQUALIZATION TANK: <u>4</u> ft		Last Alarm DTI/Condition: <u>9/30/09 Air Stripper Low Air Pressure</u>									
NOTES: _____											
INFLUENT FLOW RATE: <u>10</u> gpm		INFLUENT TOTALIZER READING: <u>1,035,568.0</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>12</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>20</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>5.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</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;"><u>0</u></td><td style="text-align: center;"><u>0</u></td></tr></table> psi		Top	Bottom	<u>0</u>	<u>0</u>	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;"><u>0</u></td><td style="text-align: center;"><u>0</u></td></tr></table> psi		Top	Bottom	<u>0</u>	<u>0</u>
Top	Bottom										
<u>0</u>	<u>0</u>										
Top	Bottom										
<u>0</u>	<u>0</u>										
INFLUENT FEED PUMP IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>15</u> psi									
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>14.0</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.055</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.5</u> in. H ₂ O									
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>9.0</u> psi									
EFFLUENT FLOW RATE: <u>86</u> gpm		EFFLUENT TOTALIZER READING: <u>54,759,443</u> 975040 gallons									
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (° F): <u>63</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>4.5</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

12-Oct-09

SAMPLES COLLECTED? YES: _____ NO: ✓

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

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS? YES: _____ NO: ✓
 WERE MANHOLES INSPECTED? YES: ✓ NO: _____
 WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____
 IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? YES: _____ NO: ✓

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

PZ-4C is damaged from snowplow.

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

Remarks: _____

Other Actions: Aaron Bender Plumbing checked backflow in Treatment Room (Oct 15).

AGWAY

SYSTEM VACUUM: <u>-23</u> in. H ₂ O				AIR PRESSURE: <u>120</u> psi			
SP-1:	<u>9.1</u>	scfm	<u>2.0</u> psi	SP-5:	<u>0.0</u>	scfm	<u>29.0</u> psi
SP-2:	<u>0.0</u>	scfm	<u>4.0</u> psi	SP-6:	<u>1.4</u>	scfm	<u>> 30</u> psi
SP-3:	<u>0.0</u>	scfm	<u>4.0</u> psi	SP-7:	<u>0.0</u>	scfm	<u>> 30</u> psi
SP-4:	<u>0.0</u>	scfm	<u>4.5</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: Construction vehicles parked throughout the site.

Other Actions: Drained 2 gals of water from SVE vacuum drum.

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

DATE: <u>19-Oct-09</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>51</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>4</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>5</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>7</u> ft	PW-7 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>5</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-8 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>7</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm DT/Condition: <u>9/30/09 Air Stripper Low Air Pressure</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>23</u> gpm		INFLUENT TOTALIZER READING: <u>1,311,946.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>7</u> Inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>12</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>5.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</u> psi	
BAG FILTER PRESSURES:			
LEFT:		RIGHT:	
Top	Bottom	Top	Bottom
<u>0</u>	<u>0</u> psi	<u>6</u>	<u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>15</u> psi	
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>16.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.05</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.5</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>6.5</u> psi	
EFFLUENT FLOW RATE: <u>88</u> gpm		EFFLUENT TOTALIZER READING: <u>54,925,902</u> 145660 gallons	
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>63</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-Oct-09

SAMPLES COLLECTED? YES: _____ NO: ✓

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

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

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

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

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

PZ-4C is damaged from snowplow.

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

Remarks: Increased Redux pump slightly to: Left 2.4; Right 1.5.

Other Actions: Emptied some decanted well purge water through bag filter into sump drain.

AGWAY

SYSTEM VACUUM: <u> -23 </u> in. H ₂ O				AIR PRESSURE: <u> 110 </u> psi			
SP-1:	<u> 8.5 </u>	scfm	<u> 2.0 </u> psi	SP-5:	<u> 0.0 </u>	scfm	<u> 29.0 </u> psi
SP-2:	<u> 1.6 </u>	scfm	<u> 8.0 </u> psi	SP-6:	<u> 1.2 </u>	scfm	<u> > 30 </u> psi
SP-3:	<u> 0.0 </u>	scfm	<u> 7.5 </u> psi	SP-7:	<u> 0.0 </u>	scfm	<u> > 30 </u> psi
SP-4:	<u> 0.0 </u>	scfm	<u> 8.0 </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: Construction equipment parked throughout the site.

Other Actions: Drained 7 gals of water from SVE vacuum drum.

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

DATE: <u>26-Oct-09</u>		ACTIVITIES: <u>Site Inspection</u>			
INSPECTION PERSONNEL: <u>R. Allen, D. Iyer</u>		OTHER PERSONNEL: <u>E & E, Inc.</u>			
WEATHER CONDITIONS: <u>Sunny, warm</u>		OUTSIDE TEMPERATURE (°F): <u>63</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>4</u> ft	PW-5	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</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 type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-7	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>5</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>8</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>9/3/09 Air Stripper Low Air Pressure</u>			
NOTES: _____					
INFLUENT FLOW RATE: <u>12</u> gpm		INFLUENT TOTALIZER READING: <u>1,592,812.0</u> gallons			
SEQUESTERING AGENT DRUM LEVEL: <u>2</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>3</u> gallons			
SEQUESTERING AGENT FEED RATE: <u>5.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</u> psi			
BAG FILTER PRESSURES:		Top Bottom	Top Bottom		
LEFT: <u>0</u> <u>0</u> psi		RIGHT: <u>5.5</u> <u>0</u> psi			
INFLUENT FEED PUMP IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>15</u> psi			
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>17.0</u> in. H ₂ O			
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.053</u> in. H ₂ O		DISCHARGE PRESSURE: <u>1.4</u> in. H ₂ O			
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>7.0</u> psi			
EFFLUENT FLOW RATE: <u>87</u> gpm		EFFLUENT TOTALIZER READING: <u>55,096,376</u> <u>320340</u> gallons			
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>68</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>4.5</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

26-Oct-09

SAMPLES COLLECTED? YES: _____ NO: ✓

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

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

WERE MANHOLES INSPECTED? YES: ✓ NO: _____

WERE ELECTRICAL BOXES INSPECTED? YES: ✓ NO: _____

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

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

PZ-4C is damaged from snowplow.

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

Remarks: Emptied 2 gals from effluent pipe leak.

Other Actions: Switched Redux pickup to new drum. Have (1) full drum.

Bag Filters - changed 10/29.

Replaced defective vent valve on effluent pipe.

AGWAY

SYSTEM VACUUM: <u> -23 </u> in. H ₂ O				AIR PRESSURE: <u> 100 </u> psi			
SP-1:	<u> 6.5 </u>	scfm	<u> 2.0 </u> psi	SP-5:	<u> 0.0 </u>	scfm	<u> 29.0 </u> psi
SP-2:	<u> 1.7 </u>	scfm	<u> 5.0 </u> psi	SP-6:	<u> 0.0 </u>	scfm	<u> > 30 </u> psi
SP-3:	<u> 0.0 </u>	scfm	<u> 5.0 </u> psi	SP-7:	<u> 0.0 </u>	scfm	<u> > 30 </u> psi
SP-4:	<u> 0.0 </u>	scfm	<u> 5.5 </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: Construction vehicles and equipment parked throughout the site.

Hole near Main St and Whaley Ave bubbled when Air Sparging system Bank 1 was ON.

Other Actions: Told Lafarge Concrete Truck driver that truck washouts should not be done in Agway Site parking lot.

Drained 1 gal from SVE vacuum drum.

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

DATE: 3-Nov-09 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

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

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

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

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 10/29/09 Air Stripper High Level

NOTES: _____

INFLUENT FLOW RATE: 11 gpm INFLUENT TOTALIZER READING: 1,911,450.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 17 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 29 gallons

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

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

INFLUENT FEED PUMP IN USE: #1 _____ #2 INFLUENT PUMP PRESSURE: 15 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 18.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.05 in. H₂O DISCHARGE PRESSURE: 1.4 in. H₂O

EFFLUENT PUMP IN USE: #1 #2 _____ EFFLUENT FEED PUMP PRESSURE: 6.5 psi

EFFLUENT FLOW RATE: 87 gpm EFFLUENT TOTALIZER READING: 55,290,317 519000 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (°F): 60

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

WATER LEVEL IN SUMP: 5.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

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

3-Nov-09

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	12:30 PM	7.24	10.98	12.8	2674
AIR STRIPPER EFFLUENT:	EFF	12:30 PM	8.55	8.00	13.0	2526

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

WERE MANHOLES INSPECTED? YES: NO:

WERE ELECTRICAL BOXES INSPECTED? YES: NO:

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

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

PZ-4C is damaged from snowplow.

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

Remarks: Took delivery of (3) Redux drums (11/2/09).

Other Actions:

AGWAY

SYSTEM VACUUM: <u>-23</u> in. H ₂ O				AIR PRESSURE: <u>90</u> psi			
SP-1:	<u>5.7</u> scfm	<u>4.0</u> psi	SP-5:	<u>0.0</u> scfm	<u>29.0</u> psi		
SP-2:	<u>0.0</u> scfm	<u>28.0</u> psi	SP-6:	<u>0.0</u> scfm	<u>> 30</u> psi		
SP-3:	<u>1.4</u> scfm	<u>27.0</u> psi	SP-7:	<u>0.0</u> scfm	<u>> 30</u> psi		
SP-4:	<u>0.0</u> scfm	<u>27.5</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: Construction vehicles and equipment parked throughout the site.

Other Actions: SVE vacuum drum is dry.

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

Date: 8-Oct-09

Measurements taken by: R. Allen

RW-1	<u>16.70</u> ft	Comments:	
PZ-1A	<u>11.22</u> ft	Comments:	
PZ-1B	<u>10.94</u> ft	Comments:	
PZ-1C	<u>12.09</u> ft	Comments:	
PZ-1D	<u>12.22</u> ft	Comments:	
PW-2	<u>18.30</u> ft	Comments:	
PZ-2A	<u>10.79</u> ft	Comments:	
PZ-2B	<u>11.09</u> ft	Comments:	
PZ-2C	<u>10.51</u> ft	Comments:	
MW-7	<u>11.06</u> ft	Comments:	Substitute for 2D
PW-3	<u>19.30</u> ft	Comments:	
PZ-3A	<u>11.26</u> ft	Comments:	
PZ-3B	<u>11.34</u> ft	Comments:	
PZ-3C	<u>11.77</u> ft	Comments:	
PZ-3D	<u>11.32</u> ft	Comments:	
PW-4	<u>23.70</u> ft	Comments:	
PZ-4A	<u>11.47</u> ft	Comments:	
PZ-4B	<u>10.81</u> ft	Comments:	
PZ-4C	<u>-----</u> ft	Comments:	Damaged
PZ-4D	<u>10.31</u> ft	Comments:	

PW-5	<u>14.30</u> ft	Comments:	
PZ-5A	<u>10.06</u> ft	Comments:	
PZ-5B	<u>10.61</u> ft	Comments:	
PZ-5C	<u>10.20</u> ft	Comments:	
PZ-5D	<u>11.02</u> ft	Comments:	
PW-6	<u>17.70</u> ft	Comments:	
PZ-6A	<u>11.52</u> ft	Comments:	
PZ-6B	<u>11.33</u> ft	Comments:	
PZ-6C	<u>11.58</u> ft	Comments:	
PZ-6D	<u>11.25</u> ft	Comments:	Shown as RW-2 on map
PW-7	<u>20.50</u> ft	Comments:	
MPI-6S	<u>11.04</u> ft	Comments:	
PZ-7B	<u>11.52</u> ft	Comments:	
OW-B	<u>11.21</u> ft	Comments:	
PZ-7D	<u>11.05</u> ft	Comments:	
PW-8	<u>20.30</u> ft	Comments:	
PZ-8A	<u>8.07</u> ft	Comments:	
PZ-8B	<u>7.99</u> ft	Comments:	
PZ-8C	<u>7.70</u> ft	Comments:	
PZ-8D	<u>7.90</u> ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS			
RW-1 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-2 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-3 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-4 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-5 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-6 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-7 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-8 pump on?	Yes	<input checked="" type="checkbox"/>	No

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 10/2009

DATE	ACTIVITY
1-Oct	Demobilize equipment and clean Treatment Room. Reorganize Treatment Room. Record pump flow rates.
2-Oct	OM&M office work. Get supplies.
5-Oct	OM&M and UM office work.
6-Oct	OM&M Weekly Inspection. Swept Library parking lot. Paid contractor for manhole. Get supplies. Power wash Underground Enclosure Covers.
8-Oct	Piezometer Readings. OM&M office work.
12-Oct	OM&M Weekly Inspection.
15-Oct	Aaron Bender check backflow. Order custom Air Stripper brush. OM&M office work.
19-Oct	OM&M Weekly Inspection.
26-Oct	OM&M Weekly Inspection.
27-Oct	OM&M office work.
29-Oct	Changed bag filters. Replace vent valve. Assist in Damage Report.
30-Oct	Switched Redux pickup to new drum. Rinsed old drum. Clean Treatment Room.

Mr. C's CLEANERS OM&M

STATUS OF OM&M ACTIVITIES BY IEG

as of 10/31/09

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Repair PW-6	PW-6 does not turn off and water level remains high in well even when switch is turned to HAND. Pull pump and transducer and inspect. Replace aneroid bellows and transducer.	Sep-09
Repair PW-2	Pump did not shut off even when water level was pumped down. Cleaned transducer. Tested bad. Replace bad transducer. Replace dessicant tube with aneroid bellows.	Sep-09
Instal NO PARKING signs on Agway Shed	Construction vehicles and others repeatedly park over Monitoring Well groups PW-2 and PW-3. Vehicles are also parked too close to the shed. Hang NO PARKING signs on <u>three sides of the Agway Shed</u> .	Sep-09
Repair PW-5	Pump will not turn OFF. Inspected/cleaned transducer. Raised level of transducer one foot.	Sep-09
Repair PW-4	Reads a constant water level 8 on Panel/View. Clean and inspect pump. Purge well and flush flexible pipe. Shorten transducer wire and replace aneroid bellows.	Sep-09
Repair PW-8	Pump does not work. Replace flexible pipe and well pump.	Sep-09
Repair Redux Pump	Jesco America Corp (JAC) pump is leaking. Inspect and clean pump. Replace broken and old plastic hose clamps with metal ones. Tighten plastic fittings.	Sep-09
Clean Air Stripper	Cleaned Air Stripper trays. Assembled Industrial brushes and power sprayer to clean trays through access ports. This cleaning method has proven cost effective by reducing the frequency of tear downs.	Sep-09
Repair PZ-2B	The MW ring and concrete cap have been pushed down by heavy equipment until the metal top cover is in contact with the riser cap. Adjust piezometer parts.	Oct-09
Repair Effluent Pipe Vacuum Release	Effluent Vent Vacuum Release leaks. Replaced with new vent valve and cut vent pipe shorter to reduce motion when pump turns ON.	Oct-09
Measure Backflow in Treatment Room	Get Aaron Bender Plumbing to measure backflow in Treatment Room.	Oct-09
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	To be ordered
AS / SVE System Evaluation	Agway Shed - test and evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	in progress
Service Compressor	Champion Machinery reveals the compressor is a 1992 model. Compressor pump should be serviced which includes a valve kit. The belts should also be adjusted.	in progress
Level PW-4 Well and Box	Asphalt around PW-4 and its Underground Enclosure has sunk, leaving these structures vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild Automatic Tank Drain Valve (ATDV)	Factory recommends rebuilding the ATDV on a compressor of this age. Order rebuild kit and repair. Have purchased rebuild kit.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
RW-1 Replace Motor Starter	RW-1 motor starter developed problem and had to be rewired. Should get a spare motor starter in anticipation of further problems.	in progress
Repair PZ-4C	PZ-4C was damaged by a Town of Aurora snowplow. Top of inner ring and top cover were broken. Talked to Town and they placed a temporary cover inside the well to reduce the pedestrian tripping hazard. Ring and top cover should be replaced.	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

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP MAINTENANCE BY IEG

as of Oct 09

ID	CLEAN & INSPECT PUMP	REPLACE PUMP	REPAIR PUMP	PIPE & FITLESS ADAPTER	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	Jan-08	Feb-08	Nov-08		Jan 08, Nov 08				Jun-08	Jul-08
PW - 2	Jun08, Aug 09	Jul-08			Jun 08, Aug 09	Sep-09		Jul 08, Aug 09	Jun-08	Sep-09
PW - 3	Jun 08, Aug 09	Jul-08		Repair adapter	Jun 08, Aug 09			Jul 08, Aug 09	Jun-08	
PW - 4	Dec 07, May 08, Sep 09	Dec-07			Dec-07	Mar 08, Sep 08	Sep-08	Jul 09, Sep 09	May 08, Sep 08, Sep 09	Mar 08, Sep 09
PW - 5	May-08	Jul-08			Jun 08, Aug 08, Sep 09	Sep-08	Sep-09	Jul-08	May 08, Aug 08	Aug-08
PW - 6	Jun 08, Jul 09	Jun 08, Jul 09		Replace pipe 8/09	Jun 08, Apr 09, Aug 09	Sep-09	Jun-08	Jul 08, Aug 09	Jun 08, Aug 09, Sep 09	Jul 08, Jul 09, Sep 09
PW - 7	Jun 08, Jul 09	Nov 07, Jul 09		Replace pipe 8/09	Jun 08, Aug 09		Jun-08	Jul 08, Aug 09	Jun-08	Jun-08
PW - 8	Jun 08, Aug 09	Jul 08, Sep 09		Replace pipe 8/09	Jun 08, Aug 09			Jul 08, Aug 09	May-08	May-08

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP STATUS - 2009

as of Oct 09

ID	CLEANED & INSPECTED PUMP	NEEDS NEW PUMP	PIPE & PITLESS ADAPTER	NEEDS WELL CLEAN-OUT	CLEANED & INSPECTED TRANSDUCER	NEEDS NEW TRANSDUCER	CLEANED & INSPECTED U.E.	NEEDS ANEROID BELLOWS	U.E. CLOGGED	NEEDS REPAIR
RW - 1	NO	NO		YES	NO	NO		YES	NO	YES - bolts
PW - 2	YES	NO		DONE 8/09	YES 7/09	DONE 9/09		DONE 9/09	NO	YES - bolts
PW - 3	YES	NO	REPAIRED 8/09	DONE 8/09	NO	NO		YES	NO	NO
PW - 4	YES 9/09	NO		DONE 9/09	YES 9/09	DONE	YES 9/09	DONE 9/09	DONE	YES - Asphalt patch
PW - 5	NO	NO		YES	YES 7/09	DONE, problem 1/09		DONE	NO	NO
PW - 6	YES	DONE 8/09	Replaced pipe 8/09	DONE 8/09	YES 7/09	YES	YES 9/09	DONE 9/09	NO	DONE
PW - 7	YES	DONE 8/09	Replaced pipe 8/09	DONE 8/09	YES 7/09	NO		DONE	NO	NO
PW - 8	YES	DONE 9/09	Replaced pipe 8/09	DONE 8/09	YES 7/09	NO		YES	NO	NO

Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: H1957
Sampled: October 6, 2009

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

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

Mitkem Work Order ID: H1957

October 23, 2009

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

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

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to Ecology & Environment, Inc's Mr. C's Dry Cleaners (Compliance) project. Under this deliverable, analyses results are presented for two aqueous samples that were received on October 7, 2009. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

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

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

1. Overall observation:

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 in the initial calibration to achieve a lower reporting limit. All the target analytes, with the exception of the ketones have been reported to 1ppb. The ketones have been reported to 5 ppb.

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

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

Aqueous samples were hydrochloric acid preserved, pH <2.

Surrogate recovery: recoveries were within the QC limits.

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

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

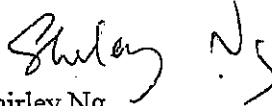
2. Wet Chemistry Analyses:

Duplicate analysis: duplicate analysis was performed on sample EFFLUENT for pH and hardness analyses. 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
10/23/09



* 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.: H1957 Mod. Ref No.: _____ SDG No.: SH1957
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: H1957-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L2930.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/07/2009
 % Moisture: not dec. Date Analyzed: 10/07/2009
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		10	U
75-35-4	1,1-Dichloroethene		10	U
67-64-1	Acetone		50	U
75-15-0	Carbon disulfide		10	U
75-09-2	Methylene chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
1634-04-4	Methyl tert-butyl ether		10	U
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		23	U
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		51	U
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	U
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.: H1957 Mod. Ref No.: _____ SDG No.: SH1957
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: H1957-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L2930.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/07/2009
 % Moisture: not dec. Date Analyzed: 10/07/2009
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		
		(ug/L or ug/Kg)	UG/L	Q
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.: H1957 Mod. Ref No.: _____ SDG No.: SH1957
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: H1957-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L2925.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/07/2009
 % Moisture: not dec. Date Analyzed: 10/07/2009
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/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		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
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.: H1957 Mod. Ref No.: _____ SDG No.: SH1957
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: H1957-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L2925.D
 Level: (TRACE/LOW/MED) LOW Date Received: 10/07/2009
 % Moisture: not dec. Date Analyzed: 10/07/2009
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	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



* Wet Chemistry *

Mitkem Laboratories

Date: 13-Oct-09

Client: Ecology and Environment Engineering P.C.

Client Sample ID: INFLUENT

Lab ID: H1957-01

Project: Mr. C's Dry Cleaning

Collection Date: 10/06/09 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		110/09/2009 11:44	48661
SM 4500 pH -- pH VALUE							SM4500_H+
pH	6.6		1.0	S.U.		110/07/2009 16:24	R42596

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: 13-Oct-09

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: H1957-02

Project: Mr. C's Dry Cleaning
Collection Date: 10/06/09 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	500		4.0	mg/L CaCO3		110/09/2009 11:47	46661
SM 4500 pH -- pH VALUE							SM4500_H+
pH	7.9		1.0	S.U.		110/07/2009 16:25	R42596

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 C

**Summary of Site Utility Costs and Projections
January to December 2009**

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Cost		Budget Remaining:		Electric:	\$16,439.52	ATTACHMENT C
NYSDEC Work Assignment #DC13				Telephone:	\$235.87	
12 Months of System Operation and Maintenance				Gas	\$424.47	
October 2009 Report				Total:	\$17,099.86	
January-09	672	100.00%				
February-09	744	80.65%				
March-09	672	100.00%	Effluent Corrective Action - Air Stripper Cleanup			
April-09	768	100.00%				
May-09	696	100.00%	Dry month - Full operations			
June-09	840	100.00%				
July-09	696	100.00%	Two pumps under repair.			
August-09	672	100.00%	Repairs on two level transducers.			
September-09	792	100.00%	Extremely dry month			
October-09	696	100.00%	Wetter month			
November-09		#DIV/0!				
December-09						
Totals to Date	7248	98.01%				

* 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.

Monthly Average Costs

Mr. C's Electric	\$	731.59	
Agway Electric	\$	204.66	
Mr. C's Gas	\$	29.55	
Mr. C's Telephone	\$	30.41	
Ave. Utility Cost Total	\$	996.21	12 month Estimate

\$12,950.78

times