



ecology and environment engineering, p.c.

International Specialists in the Environment

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January 10, 2011

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

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

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the December 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) are provided as Attachments B. The full analytical report along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for December 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 12/6/10, 12/13/10, 12/21/10, 12/28/10, and 1/5/11.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100.00% operational up-time (Table 1) for December 2010 and the treatment of contaminated groundwater totaling of 481,598 gallons (Table 2).
- The analytical samples for the monthly compliance were taken on December 8, 2010. The sampling results were received by EEEPC on January 3, 2011.
- Excerpts from the Analytical Data packages for the sampling events are presented in Attachments B.

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- A review of the analytical data from December 8, 2010 indicated no compliance issues were encountered.
- The analytical results revealed the influent concentration to be 996.8 µg/L or 996.8 ppb, and 8.53 µg/L or 8.53 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the December 8, 2010 sampling event is presented in Table 4.
- Overall cleanup efficiency for the contaminants of concern at the site during the reporting period 11/30/10 to 1/5/11 was 99.14%. 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 December 2010 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 3.97 lbs. of targeted contaminants from the groundwater below the site in the month of December 2010. The calculations and data for the month and entire year of 2010 are presented in Table 5.

Agway Site Remedial Information

- System was shut off for most of November due to compressor pump issues. Compressor pump was installed on December 21, 2010 and the system was restarted the same day.
- Emissions air sampling not performed due to system being down for repairs. Emission sampling is scheduled for January 2011.

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

- No current operational issues.
- Air sampling and maintenance review was performed in November 16th and 17th 2010.
- Reports of analytical results and system operations to be issued in January 2011.

Mr. C's and Agway Energy Usage Information

A copy of the site utility costs from the Mr. C's and Agway remedial operations for December 2010 and year to date are provided as Attachment C.

If you have questions regarding the December 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 2, 2010 - November 30, 2010	672	100.00%
November 30, 2010 - January 5, 2011	864	100.00%
Total Hours from System Startup '2/02'	70,656.50	

Average Operational Up-time from startup = 96.11%

Average Operational Up-time for 2010 = 97.04%

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	11/2/10 - 11/30/10	453,855
December 2010 ³	11/30/10 - 1/5/11	481,598
Total Gallons Treated in 2010		5,321,854
Total Gallons Treated To Date:		114,331,011

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	December 8, 2010 Effluent Analytical Values - Compliance After Air Stripper Adjustment
Flow	N/A	gpd	13,377.72
pH	6.0 - 9.0	standard units	16,209.11
1,1 Dichloroethene	10	µg/L	8.00
1,2 Dichloroethane	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	0.77 J
Tetrachloroethene	10	µg/L	0.66 J
Vinyl Chloride	10	µg/L	6.1
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 ³	5	µg/L	1.0 J
m, p-Xylene ³	10	µg/L	NA
Total Xylenes	NA	µg/L	NA
Iron, total	600	µg/L	ND(<1.0)
Aluminum	4,000	µg/L	NA
Copper	48	µg/L	NA
Lead	11	µg/L	NA
Manganese	2,000	µg/L	NA
Silver	100	µg/L	NA
Vanadium	28	µg/L	NA
Zinc	230	µg/L	NA
Total Dissolved Solids	850	mg/L	NA
Total Suspended Solids	20	mg/L	NA
Hardness	N/A	mg/l	470
Cyanide, Free	10	µg/L	NA

NOTES:
1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
2. Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
3. Shaded cells indicate that analytical value exceeds the "Daily Maximum".
4. "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
5. "NA" indicates that analyses were not performed and data is unavailable.
6. Average flows based on effluent readings taken November 30, 2010 through December 30, 2010. Total gallons: 453,855 divided by 28 operating days (672 actual operating hours).
7. "J" indicates an estimated value below the detection limit.
8. "B" indicates analyte found in the associated blank.
9. Removed from the required analysis list by NYSDEC Region 9 in February 2005.

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

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

Compound	Based on the 11/10/10 Effluent Sampling Results		
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency** (%)
Acetone	ND (<50.0)	U	NA
Benzene	ND (<10.0)	U	NA
2-Butanone	ND (<50.0)	U	NA
cis-1, 2-Dichloroethene	31.0	0.77	97.52%
Methylene chloride	ND (<10.0)	ND (<1.0)	NA
Methyl tert-butyl ether (MTBE)	5.8	1	100.00%
Tetrachloroethene	910.0	6.1	99.33%
Toluene	ND (<10.0)	ND (<1.0)	NA
Trichloroethene	50.0	0.66	98.68%
Carbon Disulfide	ND (<10.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<10.0)	U	NA
Cyclohexane	ND (<10.0)	U	NA
trans-1,2-dichloroethene	ND (<10.0)	U	NA
Methylcyclohexane	ND (<10.0)	U	NA
Methyl acetate	ND (<10.0)	U	NA
Total Xylenes	ND (<10.0)	U	NA
December 2010 TOTALs (in ug/L) =	996.8	8.53	99.14%

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

Attachment A
IEG Weekly Inspection Reports
December 2010

Including:

12/6/10

12/13/10

12/21/10

12/28/10

1/5/11

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 12/2010

DATE	ACTIVITY
6-Dec	OM&M Weekly Inspection/sampling and office work. Adjust Air Stripper pressure. Repair leaks in Redux line. Change bag filters.
7-Dec	Instal vent cover over Treatment Room man door. Repair Air Stripper corrosion hole.
8-Dec	Turn system ON and take readings. Take samples.
13-Dec	OM&M Weekly Inspection and office work.
21-Dec	OM&M Weekly Inspection. Deliver supplies to site. Reassemble air compressor. Monthly summaries.
26-Dec	Switch Redux pickup to new drum. Deliver materials to site.
28-Dec	OM&M Weekly Inspection. Build flat cart for drums. Clean Redux guage. Shovel snow off of MWs.
29-Dec	Make frame for Air Filter for air compressor. Cover vents in Agway Shed. Change bag filters.
31-Dec	Take Piezometer Readings

Mr. C's CLEANERS OM&M
SUMMARY OF FIELD ACTIVITIES BY IEG - 12/2010

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
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
Compressor Repair	Champion Machinery reveals compressor is a 1992 model. Compressor pump needs service, including a valve kit. New Electric motor had pulley problems. Replace motor and pulley.	Dec-10
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Purge PW-5	Inspect, purge well, clean pump, plastic pipe and transducer. Trouble shoot problems.	in progress
Agway Shed Concrete Dump	Approximately 1/4 yard of concrete was washed out on the north side of the Agway Shed. Concrete should be removed.	in progress
Trim Broken Piezometers	Many of the piezometers are broken. Measuring water levels is not precise when a pipe is broken. Identify and trim all broken piezometers.	in progress
Repair Filter Basket	The handle loop on a filter basket broke. Weld handle back in place.	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.	Nov-10
PW-8 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	in progress
Replace Air Stripper Exhaust	Present Air Stripper exhaust is very heavy and leaks moisture. Replace with lighter system.	in progress
Repair Redux Line	Redux line has (2) leaks. Repair the line.	Dec-10
Repair Corrosion Hole in Air Stripper	Corrosion hole started to leak after Air Stripper pressure was increased. Repair hole with JB Weld.	Dec-10
Redux Guage accumulating deposits	Redux guage is difficult to read because of built up deposits. Disassemble unit and clean.	Dec-10
Add Inline filter to Compressor	The Condensate Removal Valve (CRV) on the Air Compressor gets stuck open by occaisional pieces of debris from the air tank. Put filter on hose before the CRV.	in progress

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

as of Dec 10

ID	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PIPE & PITLESS ADAPTER	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	May-10	Feb-08	May-10		May-10					
PW - 2	Aug 09, May 10	Jul-08			Aug 09, May 10	Sep-09		Aug-09		Sep-09
PW - 3	Aug 09, May 10	Jul-08		Repair adapter	Aug-09			Aug-09		
PW - 4	Sep 09, May 10	Dec-07	NEED		May-10			Jul 09, Sep 09	Sep-09	Sep-09
PW - 5		Jul-08			Sep-09		Sep-09			
PW - 6	Jul-09	Jun 08, Jul 09		Replace pipe 8/09	Apr 09, Aug 09	Sep-09		Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
PW - 7	May 10, Oct 10	Nov 07, Jul 09, Oct 10		Replace pipe 8/09	Aug 09, May 10, Oct 10			Au 09, May 10		
PW - 8	Aug 09, May 10	Jul 08, Sep 09		Replace pipe 8/09	Aug 09, May 10			Aug 09, May 10		

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP STATUS - 2010

as of Dec 10

ID	NEEDS CLEANING & INSPECTION	NEEDS NEW PUMP	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	NEEDS HORIZONTAL LINE PURGE	NEEDS TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	CLEANED & INSPECTED U.E.	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	NEEDS U.E. REPAIR
RW - 1	NO	NO		YES		NO	NO		YES	NO	YES - bolts
PW - 2	NO	NO		YES		NO			DONE 9/09	NO	YES - bolts
PW - 3	NO	NO	REPAIRED 8/09	DONE 8/09		NO	NO		YES	NO	NO
PW - 4	YES	NO		DONE 9/09		YES		YES 9/09	DONE 9/09	DONE	YES - Asphalt patch
PW - 5	NO	NO		YES		YES 7/09, Problem 11/09	problems 1/09 and 11/09		DONE	NO	NO
PW - 6	NO	DONE 8/09	Replaced pipe 8/09	DONE 8/09		YES 7/09	NO	YES 9/09	DONE 9/09	NO	DONE
PW - 7	NO	DONE 10/10	Replaced pipe 8/09	NO	DONE 10/10	NO	NO		DONE	NO	NO
PW - 8	YES	DONE 9/09	Replaced pipe 8/09	NO	YES	YES	NO		YES	NO	NO

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

Date: 31-Dec-10

Measurements taken by: R. Allen

RW-1	<u>17.50</u> ft	Comments:	
PZ-1A	<u>11.40</u> ft	Comments:	
PZ-1B	<u>-----</u> ft	Comments:	Frozen
PZ-1C	<u>12.50</u> ft	Comments:	
PZ-1D	<u>12.61</u> ft	Comments:	
PW-2	<u>19.60</u> ft	Comments:	
PZ-2A	<u>11.11</u> ft	Comments:	
PZ-2B	<u>11.47</u> ft	Comments:	
PZ-2C	<u>10.91</u> ft	Comments:	
MW-7	<u>11.48</u> ft	Comments:	Substitute for 2D
PW-3	<u>20.50</u> ft	Comments:	
PZ-3A	<u>-----</u> ft	Comments:	Under snow pile
PZ-3B	<u>11.68</u> ft	Comments:	
PZ-3C	<u>-----</u> ft	Comments:	Van parked over
PZ-3D	<u>-----</u> ft	Comments:	Under snow pile
PW-4	<u>-----</u> ft	Comments:	Sealed cover
PZ-4A	<u>18.47</u> ft	Comments:	
PZ-4B	<u>10.97</u> ft	Comments:	
PZ-4C	<u>-----</u> ft	Comments:	damaged
PZ-4D	<u>10.60</u> ft	Comments:	

PW-5	<u>11.20</u> ft	Comments:	
PZ-5A	<u>17.10</u> ft	Comments:	
PZ-5B	<u>10.94</u> ft	Comments:	
PZ-5C	<u>10.54</u> ft	Comments:	
PZ-5D	<u>19.51</u> ft	Comments:	
PW-6	<u>22.90</u> ft	Comments:	
PZ-6A	<u>11.92</u> ft	Comments:	
PZ-6B	<u>11.79</u> ft	Comments:	
PZ-6C	<u>12.03</u> ft	Comments:	
PZ-6D	<u>11.75</u> ft	Comments:	Shown as RW-2 on map
PW-7	<u>21.00</u> ft	Comments:	
MPI-6S	<u>-----</u> ft	Comments:	Under snow pile
PZ-7B	<u>11.82</u> ft	Comments:	
OW-B	<u>11.58</u> ft	Comments:	
PZ-7D	<u>-----</u> ft	Comments:	Under snow pile
PW-8	<u>18.10</u> ft	Comments:	
PZ-8A	<u>8.40</u> ft	Comments:	
PZ-8B	<u>8.33</u> ft	Comments:	
PZ-8C	<u>8.05</u> ft	Comments:	
PZ-8D	<u>8.23</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 type="checkbox"/> No	
PW-5 pump on?	Yes	<input checked="" type="checkbox"/> No	
PW-6 pump on?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
PW-7 pump on?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
PW-8 pump on?	Yes	<input checked="" type="checkbox"/> No	

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

DATE: 5-Jan-10 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, cold OUTSIDE TEMPERATURE (° F): 25

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

PW-8 is OFF due to maintenance problem.

PW-4 is ON steady at level 22. Turned OFF PW-4.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>5</u> ft	PW-5	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>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>5</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>22</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>18</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 12/8/10 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 9 gpm INFLUENT TOTALIZER READING: 3,108,427.0 gallons

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

SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 3.5 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>0</u>	<u>0</u> psi	RIGHT:	<u>28 - 6</u>	<u>0</u> psi

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

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 11.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.023 in. H₂O DISCHARGE PRESSURE: 3.8 in. H₂O

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

EFFLUENT FLOW RATE: 108 gpm EFFLUENT TOTALIZER READING: 62,099,375 408080 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (° F): 55

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

5-Jan-10

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	12:00 PM	7.54	6.39	12.9	2693
AIR STRIPPER EFFLUENT:	EFF	12:00 PM	8.57	8.07	12.0	2712

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:
 All MWs and UEs are covered with snow or ice.

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

Remarks: _____

Other Actions: _____

AGWAY

SYSTEM VACUUM: <u>-23</u> in. H ₂ O				AIR PRESSURE: <u>110</u> psi					
SP-1:	<u>> 10</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>18.5</u>	psi	SP-6:	<u>0.0</u>	scfm	<u>> 30</u>	psi
SP-3:	<u>0.0</u>	scfm	<u>18.0</u>	psi	SP-7:	<u>0.0</u>	scfm	<u>> 30</u>	psi
SP-4:	<u>0.0</u>	scfm	<u>18.5</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: Drained (20) gals from SVE drum.

Other Actions: _____

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

DATE: 28-Dec-10 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, cold OUTSIDE TEMPERATURE (° F): 25

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

PW-8 is OFF due to maintenance problem.

PW-4 is ON at a constant level 21.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>8</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>4</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-6	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>7</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>4</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>6</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>21</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>18</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 12/8/10 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 13 gpm INFLUENT TOTALIZER READING: 2,925,765.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 29 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 49 gallons

SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 4.0 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>36</u>	<u>0</u> psi	RIGHT:	<u>42</u>	<u>0</u> psi

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

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 11.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.025 in. H₂O DISCHARGE PRESSURE: 3.9 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 10.0 psi

EFFLUENT FLOW RATE: 104 gpm EFFLUENT TOTALIZER READING: 61,991,459 297540 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: 7.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

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

28-Dec-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:

Most MWs and UEs are covered with ice and snow.

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

Remarks: _____

Other Actions: Made flat cart for drums. Dug out MWs for piezometer readings. Cleaned Redux guage of scale deposits.
 Changed bag filters.

AGWAY

SYSTEM VACUUM: <u>-23</u> in. H ₂ O				AIR PRESSURE: <u>110</u> psi					
SP-1:	<u>> 10</u>	scfm	<u>14.0</u>	psi	SP-5:	<u>0.0</u>	scfm	<u>29.0</u>	psi
SP-2:	<u>0.0</u>	scfm	<u>18.0</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>17.0</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: Covered (4) of the (6) vents in the shed for the winter.

Other Actions: _____

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

DATE: 21-Dec-10 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: Carroll Plumbing

WEATHER CONDITIONS: Cloudy, cold OUTSIDE TEMPERATURE (° F): 25

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

PW-8 is OFF due to maintenance problem.

PW-4 is ON constantly at level 21.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>5</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: <u>8</u> ft	PW-6	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>3</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>5</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: <u>21</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: <input type="checkbox"/> <u>18</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 12/8/10 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 25 gpm INFLUENT TOTALIZER READING: 2,772,387.0 gallons

SEQUESTERING AGENT DRUM LEVEL: >1 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 2 gallons

SEQUESTERING AGENT FEED RATE: 5.0 ml/min METERING PUMP PRESSURE: 4.0 psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>0</u>	<u>0</u> psi	RIGHT:	<u>32 - 6</u>	<u>0</u> psi

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

AIR STRIPPER BLOWER IN USE: #1 #2 AIR STRIPPER PRESSURE: 13.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.025 in. H₂O DISCHARGE PRESSURE: 3.9 in. H₂O

EFFLUENT PUMP IN USE: #1 #2 EFFLUENT FEED PUMP PRESSURE: 8.5 psi

EFFLUENT FLOW RATE: 113 gpm EFFLUENT TOTALIZER READING: 61,901,628 205510 gallons

ARE BUILDING HEATERS IN USE? YES: NO: INSIDE TEMPERATURE (° F): 52

IS SUMP PUMP IN USE: YES: NO: WATER LEVEL IN SUMP: 6.0 in.

ARE ANY LEAKS PRESENT? YES: NO: TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO:

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

21-Dec-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:

Most MWs and UEs are covered with ice or snow.

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

Remarks:

Other Actions: Emptied old Redux drum into present drum (12/21). Switched Redux pickup into new drum (12/26).

Have (2) full drums.

AGWAY

SYSTEM VACUUM: <u>-23</u> in. H ₂ O				AIR PRESSURE: <u>115</u> psi					
SP-1:	<u>> 10</u>	scfm	<u>17.0</u>	psi	SP-5:	<u>0.0</u>	scfm	<u>29.0</u>	psi
SP-2:	<u>0.0</u>	scfm	<u>20.5</u>	psi	SP-6:	<u>0.0</u>	scfm	<u>> 30</u>	psi
SP-3:	<u>0.0</u>	scfm	<u>20.0</u>	psi	SP-7:	<u>0.0</u>	scfm	<u>> 30</u>	psi
SP-4:	<u>0.0</u>	scfm	<u>21.0</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:

Other Actions: Reassembled air compressor with new electric motor and new pump motor.

Turned heater ON inside shed.

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

DATE: <u>13-Dec-10</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____	
WEATHER CONDITIONS: <u>Cloudy, cold</u>		OUTSIDE TEMPERATURE (° F): <u>18</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <input checked="" type="checkbox"/> If "NO", provide explanation below			
<u>PW-8 is OFF due to maintenance problem.</u>			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</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>6</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-7 ON: _____ OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>20</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: _____ <u>18</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>12/6/10 Air Stripper Low Level</u>	
NOTES: <u>PW-4 is ON constantly at level 20.</u>			
INFLUENT FLOW RATE: <u>16</u> gpm		INFLUENT TOTALIZER READING: <u>2,584,275.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>11</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>18.7</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>7.0</u> ml/min		METERING PUMP PRESSURE: <u>3.5</u> psi	
BAG FILTER PRESSURES:			
LEFT: <u>0</u> ^{Top} <u>0</u> ^{Bottom} psi		RIGHT: <u>6</u> ^{Top} <u>0</u> ^{Bottom} psi	
INFLUENT FEED PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		INFLUENT PUMP PRESSURE: <u>14</u> psi	
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>10.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.026</u> in. H ₂ O		DISCHARGE PRESSURE: <u>3.9</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>9.0</u> psi	
EFFLUENT FLOW RATE: <u>112</u> gpm		EFFLUENT TOTALIZER READING: <u>61,790,431</u> 91450 gallons	
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: _____		INSIDE TEMPERATURE (° F): <u>57</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

13-Dec-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:

Most MWs and UEs are covered with ice or snow.

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

Remarks:

Other Actions:

AGWAY

SYSTEM VACUUM: _____ in. H ₂ O			AIR PRESSURE: _____ 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: System is OFF due to air compressor breakdown.

Other Actions:

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

DATE: 6-Dec-10 ACTIVITIES: Site Inspection

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

WEATHER CONDITIONS: Snow, cold OUTSIDE TEMPERATURE (° F): 25

ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: If "NO", provide explanation below
PW-8 is OFF due to maintenance problem.

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>7</u> ft
PW-2	ON: <input checked="" type="checkbox"/>	OFF: <u>13</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/> <u>3</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>6</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>22</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>19</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 12/6/10 Air Stripper Low Level

NOTES: _____

INFLUENT FLOW RATE: 17 gpm INFLUENT TOTALIZER READING: 2,459,992.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 18 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 30.5 gallons

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

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	<u>35</u>	<u>0</u> psi	RIGHT:	<u>38</u>	<u>0</u> psi

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

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 13.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.026 in. H₂O DISCHARGE PRESSURE: 4.0 in. H₂O

EFFLUENT PUMP IN USE: #1 _____ #2 EFFLUENT FEED PUMP PRESSURE: 11.0 psi

EFFLUENT FLOW RATE: 110 gpm EFFLUENT TOTALIZER READING: 61,718,631 18130 gallons

ARE BUILDING HEATERS IN USE? YES: NO: _____ INSIDE TEMPERATURE (° F): 50

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

WATER LEVEL IN SUMP: 6.5 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

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

6-Dec-10

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	3:00 PM	7.64	15.8	11.8	2355
AIR STRIPPER EFFLUENT:	EFF	3:00 PM	8.64	13.0	11.4	2552

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:

All MWs and UEs are covered with snow and ice.

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

Remarks: Ceiling mounted heater does not heat well. Called Bill Rogers. Checked gas heater and set electric heater to low to serve as a backup. Installed vent over man door for the winter.

Other Actions: Fixed (2) leaks in Redux line.

Changed bag filters. One HD basket has a broken loop. Installed new HD filter basket.

Repaired corrosion holes in tray #1 of Air Stripper.

AGWAY

SYSTEM VACUUM: _____ in. H ₂ O			AIR PRESSURE: _____ 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: System is OFF due to air compressor breakdown.

Other Actions:

Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: J2554

Sampled: December 8, 2010

Received: December 20, 2010

Report Date:
03-Jan-11 14:12



- Final Report
 Re-Issued Report
 Revised Report

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

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

Work Order: J2554
Project: Mr. C's Dry Cleaning
Project #: 002700,DC13.02.01.01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J2554-01	INFLUENT	Aqueous	08-Dec-10 15:30	09-Dec-10 11:56
J2554-02	EFFLUENT	Aqueous	08-Dec-10 16:00	09-Dec-10 11:56

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

All applicable NELAC or USEPA CLP requirements have been met.

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

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

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



Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials:

Sample Transmittal Documentation

MITKEM LABORATORIES

Sample Condition Form

Received By: CAD Reviewed By: _____ Date: 12/10 Mitkem Work Order #: J2554
 Client Project: ENE Client: _____

	Lab Sample ID	Preservation (pH)					VOA Matrix	Soil Headspace or Air Bubble ≥ 1/4"
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed <input checked="" type="radio"/> Yes / <input type="radio"/> No	<u>J2554 01</u>	<u>42</u>					<u>H</u>	
	<u>J2554 02</u>	<u>42</u>					<u>H</u>	
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>5°C</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>UPS</u> <u>12FR875539846948</u>								
7) Samples Bottles <input checked="" type="radio"/> Intact / <input type="radio"/> Broken / <input type="radio"/> Leaking								
8) Date Received <u>12/2/10</u>								
9) Time Received <u>11:56</u>								

(Handwritten note: 12-2-10)

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

EPA SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J2554 Mod. Ref No.: _____ SDG No.: SJ2554
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2554-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2M0392.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2010
 % Moisture: not dec. Date Analyzed: 12/20/2010
 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)	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		5.8	J
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		31	
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		50	
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		910	
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

EPA SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J2554 Mod. Ref No.: _____ SDG No.: SJ2554
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2554-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2M0392.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2010
 % Moisture: not dec. Date Analyzed: 12/20/2010
 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)	ug/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

EPA SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J2554 Mod. Ref No.: _____ SDG No.: SJ2554
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2554-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2M0391.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2010
 % Moisture: not dec. Date Analyzed: 12/20/2010
 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	
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	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		0.77	J
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		0.66	J
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		6.1	
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

EPA SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: J2554 Mod. Ref No.: _____ SDG No.: SJ2554
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J2554-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2M0391.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/09/2010
 % Moisture: not dec. Date Analyzed: 12/20/2010
 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	
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: 22-Dec-10

Client: Ecology and Environment Engineering P.C.
Client Sample ID: INFLUENT
Lab ID: J2554-01

Project: Mr. C's Dry Cleaning
Collection Date: 12/08/10 15:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	460		4.0	mg/L CaCO3		1 12/22/2010 10:48	56502
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	7.2		1.0	S.U.		1 12/10/2010 12:10	R54646

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: 22-Dec-10

Client: Ecology and Environment Engineering P.C.
Client Sample ID: EFFLUENT
Lab ID: J2554-02

Project: Mr. C's Dry Cleaning
Collection Date: 12/08/10 16:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	470		4.0	mg/L CaCO3		112/22/2010 10:51	56502
SM 4500 H+ B -- pH VALUE							SM4500_H+
pH	8.0		1.0	S.U.		112/10/2010 12:12	R54646

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 2010

NYSDEC Work Assignment #DC13
 12 Months of System Operation and Maintenance
 December 2010 Report

	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage	Capacity	Comments:	Budget Remaining:	Electric:
January-10	648	648	100.00%	21.4%	Cold January		\$14,797.47
February-10	696	696	100.00%	20.7%	Cold February		\$540.00
March-10	672	672	100.00%	15.6%	No snow and little rain in March		
April-10	672	672	100.00%	7.3%	Problems with RW- 1 pump		
May-10	864	816	94.44%	8.5%			
June-10	816	816	100.00%	7.0%	Dry month		
July-10	696	696	100.00%	13.8%	Problem with Pump PW-7		\$15,196.60
August-10	816	816	100.00%	13.2%	Air Stripper issues		
September-10	504	504	100.00%	12.5%	Stripper in process for teardown and cleaning		
October-10	840	792	94.29%	13.8%	Air Stripper teardown and cleaning.		
November-10	672	672	100.00%	14.4%	Air Stripper adjustments		
December-10	864	864	100.00%	11.9%	Winter conditions prevalent		
Totals to Date	8760	8664	98.90%				

* 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	Total Gallons
	481598

Mr. C's Electric	\$	799.74	
Agway Electric	\$	220.53	
Mr. C's Gas	\$	86.09	
Mr. C's Telephone	\$	32.05	
Ave. Utility Cost Total	\$	1,138.42	12 month Estimate
		\$14,799.41	