ecology and environment engineering and geology, p.c.
Environmental Specialists
BUFFALO CORPORATE CENTER
368 Pleasant View Drive
Lancaster, New York 14086
Tel: (716) 684-8060, Fax: (716) 684-0844

April 15, 2019

Mr. Payson Long, 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 # D007617, Site # 915157
March 2019 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the March 2019 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 915157, located in the Village of East Aurora, New York.

During the March 2019 reporting period, the treatment system was in operation from March 1 to April 1, 2019. The March monthly OM&M sampling was performed on March 28, 2019, and the results were received from SAI on April 8, 2019 (See Attachment A). A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is provided in Attachment B. The current annual site utility cost information is provided in Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance from IEG for March 2019, E&E offers the following comments and highlights:

Operational Summary:

- Based on inspection reports prepared by IEG, the remedial treatment system for the period of March 1 through April 1, 2019, had an approximate operational up-time of 66%, and 89,168 gallons of contaminated groundwater were treated during the reporting period. The system was offline from March 1 through March 7, and from March 15 through March 18 due to electrical problems caused by wind storms. Multiple electrical components were damaged during a power failure and required replacement. The treated effluent volumes and operational up-time can be seen in Table 1.
- The compliance samples from March 28, 2019 had discharge effluent concentrations for cis-1,2-dichloroethene, methyl tert-butyl ether, trichloroethene, tetrachloroethene, and vinyl chloride below the daily SPDES Equivalency permit requirements of 10 µg/L for each contaminant. All other requirements of the SPDES Equivalency permit were also met. The effluent results for March 28, 2019 are provided in Table 2.
- The analytical summary results of the March 28, 2019 samples revealed the total volatile organic contaminant concentrations of the influent to be 4,437.10 µg/L and the

concentration of total volatile organic contaminants in the effluent was 3.90 µg/L. The summary of influent and effluent contaminant concentrations for the March 2019 sampling are presented in Table 3. Acetone was detected in the effluent sample, but not the influent sample. It is suspected that this is due to lab contamination. Figure 1 shows the influent and effluent VOC concentrations during each sampling event in 2018 and 2019.

- The Mr. C's treatment system, based on the total flows from the uptime operations, removed 3.30 lbs. of targeted contaminants from the groundwater between March 1 to April 1, 2019. The cleanup effectiveness for March 2019 was approximately 99.91%. The calculations and data for the month are presented in Table 3. The mass of VOCs removed each month throughout 2018 and 2019 is shown in Figure 2.

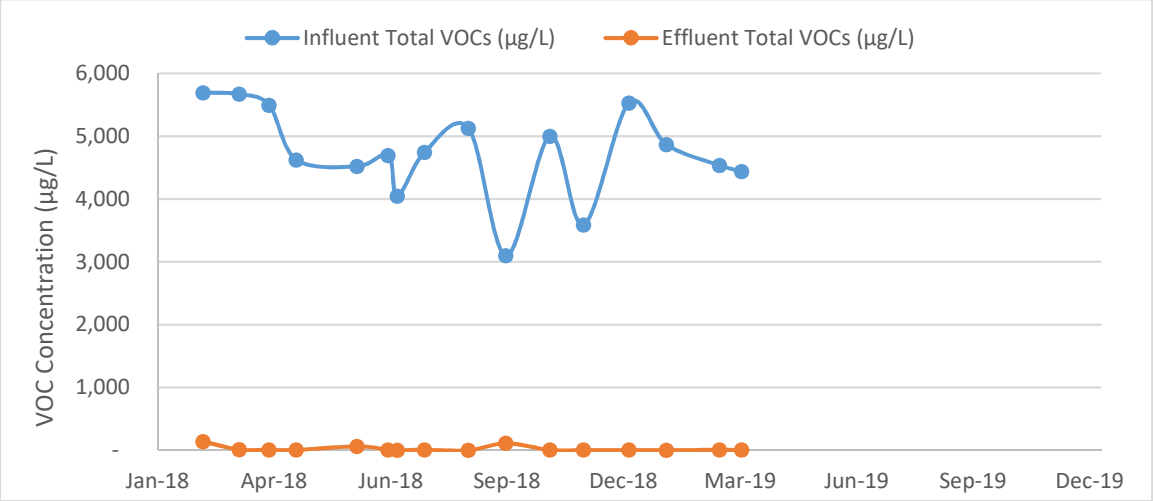

Figure 1: Monthly Influent and Effluent VOC concentrations - 2018 and 2019.

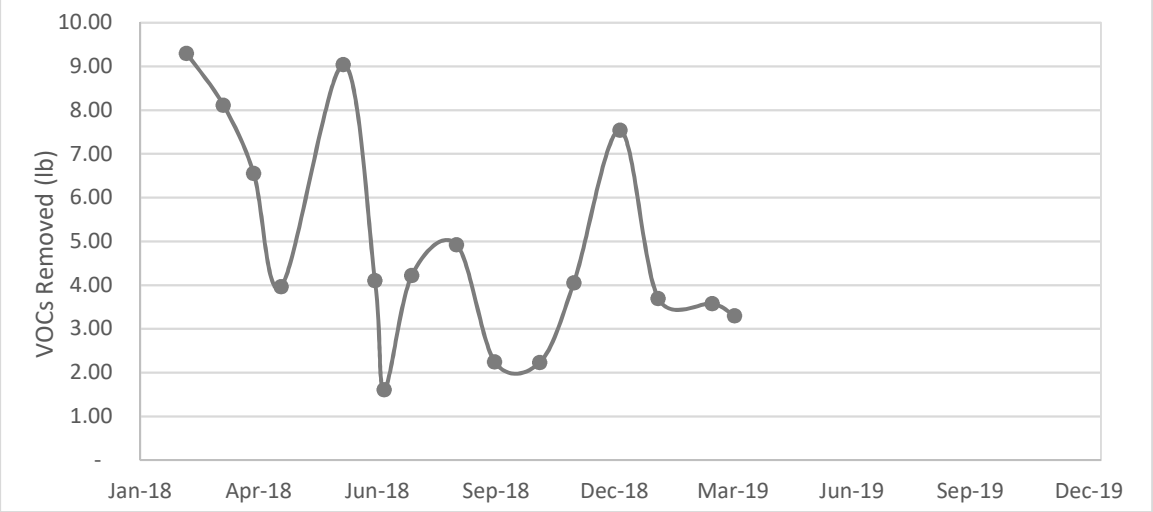

Figure 2: Mass of VOCs removed each month - 2018 and 2019.

If you have questions regarding the March 2019 OM&M report summary, please do not hesitate to contact me at 716-684-8060 or asmith@ene.com.

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

Ashlee Smith, P.E.
Project Manager

cc: D. Szymanski, Region 9, NYSDEC – Buffalo w/ attachments
D. Iyer, IEG w/ attachments

Table 1
Mr. C's Dry Cleaners Site Remediation
Site #915157
System Operation and Management

Month	Sample Date	Up-time (Reporting Period)		Treated Effluent (gallon)	VOC Removal		
		Reporting Hours	Operational Up-time		Influent VOCs (µg/L)	Effluent VOCs(µg/L)	VOCs Removed (lbs.)
(Treatment System Up-time from 9/5/02 to 01/02/19)		**126,541.50**	**91.36%**	**133,095,600**	**NA**	**NA**	**1,753.47**
January 03, 2019 to January 31, 2019	January 29,2019	696	100.00%	91,077	4868.30	3.70	3.70
February 01, 2019 to February 28, 2019	March 11, 2019	516	76.79%	94,609	4538.10	6.20	3.58
March 01, 2019 to April 01, 2019	March 28, 2019	768	65.63%	89,168	4437.10	3.90	3.30
Total in 2019		**1,980.00**	**80.34%**	**274,854**	**13,843.50**	**13.80**	**10.58**
Total from startup		**128,521.50**	**91.19%**	**133,370,454**	**NA**	**NA**	**1,764.05**

NOTES:

1. Up-time based as percentage of total reporting hours.
2. Treatment system operated by Iyer Environmental Group from 07/07/2016 to present.
3. VOC removal calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
4. VOC removal calculations assume that non-detect values = 0 ug/L.
5. Total VOCs summations include estimated "J" values.
6. VOC removal calculations are based on effluent totalizer readings.
7. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
8. Unit conversion: 1 pound = 453.5924 grams, 1 gallon = 3.785 liters
9. Formula for the VOC removal calculation:

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

Table 2
Mr. C's Dry Cleaners Site Remediation
Site #915157
Effluent Discharge Criteria & Analytical Compliance Results

Parameter/Analyte	Daily Maximum[1]	Units	March 28, 2019 Effluent Analytical Values Compliance
Flow (Average)[2]	N/A	gpd	4,458
pH	6.0 - 9.0	standard units	8.33
1,1 Dichloroethene	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(<0.70)
Ethylbenzene	5	µg/L	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<3.0)
1,1,1 Trichloroethane	10	µg/L	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND(<1.0)
o-Xylene[3]	5	µg/L	ND(<1.0)
m, p-Xylene[3]	10	µg/L	ND(<1.0)
Total Xylenes	NA	ug/L	ND(<1.0)
Iron, total[4]	600	µg/L	NA[4]
Aluminum[4]	4,000	µg/L	NA[4]
Copper[4]	48	µg/L	NA[4]
Lead[4]	11	µg/L	NA[4]
Manganese[4]	2,000	µg/L	NA[4]
Silver[4]	100	µg/L	NA[4]
Vanadium[4]	28	µg/L	NA[4]
Zinc[4]	230	µg/L	NA[4]
Total Dissolved Solids[4]	850	mg/L	NA[4]
Total Suspended Solids[4]	20	mg/L	NA[4]
Hardness	N/A		535
Cyanide, Free[4]	10	µg/L	NA[4]

NOTES:

1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
2. Average flows based on effluent readings:

   March 1 - April 1, 2019 = 4,458 gallons per day
3. Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
4. Removed from the required analysis list by NYSDEC Region 9 in February 2005.
5. Dark shaded cells indicate that analytical value exceeds the "Daily Maximum."
6. "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
7. "NA" indicates that analyses were not performed and data is unavailable.
8. "J" indicates an estimated value below the detection limit.
9. "B" indicates analyte found in the associated blank.
10. "NS" indicates that the parameter analysis was not sampled.

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

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #915157
March 2019 VOC Analytical Summary

Compound	Based on the March 28, 2019 Effluent Analytical Results				
	Influent Concentration (ug/L)		Effluent Concentration (ug/L)		Cleanup Efficiency* (%)
Acetone	ND(<100)	U	3.9	S	NA
Benzene	ND(<14)	U	ND(<0.70)	U	NA
cis-1, 2-Dichloroethene	2200		ND(<1.0)	U	100.00%
Chloroform	ND(<100)	U	ND(<5.0)	U	NA
Chloromethane	ND(<100)	U	ND(<5.0)	U	NA
Methylene chloride	ND(<60)	U	ND(<3.0)	U	NA
Methyl tert-butyl ether (MTBE)	7.8	J	ND(<1.0)	U	100.00%
Methyl acetate	NA		NA		NA
Tetrachloroethene (PCE)	1800		ND(<1.0)	U	100.00%
Toluene	ND(<20)	U	ND(<1.0)	U	NA
Trichloroethene (TCE)	260		ND(<1.0)	U	100.00%
Carbon Disulfide	ND(<20)	U	ND(<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND(<20)	U	ND(<1.0)	U	NA
2-Hexanone	ND(<50)	U	ND(<2.5)	U	NA
4-Methyl-2-pentanone	ND(<50)	U	ND(<2.5)	U	NA
Cyclohexane	NA		NA		NA
trans-1,2-dichloroethene	9.3		ND(<5.0)	U	100.00%
Chlorobenzene	ND(<100)	U	ND(<5.0)	U	NA
Methylcyclohexane	NA		NA		NA
Ethylbenzene	ND(<20)	U	ND(<1.0)	U	NA
Vinyl Chloride	160		ND(<1.0)	U	100.00%
Total Xylenes	NA	U	NA	U	NA
TOTAL:	**4437.1**		**3.9**		**99.91%**

Notes:

1. The efficiency cleanup values are calculated based on the March 28, 2019 results
2. "NA" = Not applicable
3. "U" = Compound analyzed, but was not detected. Detection limit in parentheses.
4. "DJ" or "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
5. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
6. "JS" indicates an estimated value and suspected lab contamination.
7. "Bold" - exceeds the SPDES Equilavency Permit Requirements.

* Contaminants of Concern only

Attachment A
Excerpts from the Groundwater Treatment System Analytical Report from Spectrum Analytical Laboratories

Analytical Data Package Work Order ID: SC54163
Sampled by IEG: March 29, 2019
Report Received: April 8, 2019

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
08-Apr-19 12:17

Laboratory Report
SC54163

Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, NY 14086
Attn: Mary Kate Mooney

Project: Mr. C's - East Aurora, NY
Project #: [none]

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393

Authorized by:

Andrew Fenton
Quality Services Manager

Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 25 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our 'Quality' web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC54163

Project: Mr. C's - East Aurora, NY

Project Number: [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC54163-01	Influent	Ground Water	28-Mar-19 13:00	29-Mar-19 10:30
SC54163-02	Effluent	Ground Water	28-Mar-19 13:00	29-Mar-19 10:30
SC54163-03	HCL TB	Trip Blank	28-Mar-19 13:00	29-Mar-19 10:30

Summary of Hits

Lab ID: SC54163-01 **Client ID:** Influent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Hardness (CaCO3)	513		0.10	mg/l	E200.7
Calcium	162		0.2	mg/l	SW6010D
Magnesium	26.4		0.010	mg/l	SW6010D
Methyl t-butyl ether (MTBE)	7.8	J	20	ug/l	SW8260C
trans-1,2-Dichloroethene	9.3	J	100	ug/l	SW8260C
Trichloroethene	260		20	ug/l	SW8260C
Vinyl chloride	160		20	ug/l	SW8260C

Lab ID: SC54163-01RE1 **Client ID:** Influent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
cis-1,2-Dichloroethene	2200		100	ug/l	SW8260C
Tetrachloroethene	1800		100	ug/l	SW8260C

Lab ID: SC54163-02 **Client ID:** Effluent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Hardness (CaCO3)	535		0.10	mg/l	E200.7
Calcium	169		0.2	mg/l	SW6010D
Magnesium	27.4		0.010	mg/l	SW6010D
Acetone	3.9	J, S	5.0	ug/l	SW8260C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent SC54163-01	[none]	Ground Water	28-Mar-19 13:00	29-Mar-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	pH	**6.89**	pH	pH Units			1	ASTM D 1293-99B	29-Mar-19 12:30	29-Mar-19 13:30	ABW	1900437	
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Hardness (CaCO3)	**513**		mg/l	0.10	513	1	E200.7	02-Apr-19 16:44	02-Apr-19 16:44	11301	'[none]'	
Subcontracted Analyses Prepared by method SW3005A/SW3010A													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
7440-70-2	Calcium	**162**		mg/l	0.2	0.10	10	SW6010D	30-Mar-19	02-Apr-19 16:35	11301	472577A	
7439-95-4	Magnesium	**26.4**		mg/l	0.010	0.01	1	"	"	"	"	"	
Subcontracted Analyses Prepared by method SW8260C													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
630-20-6	1,1,1,2-Tetrachloroethane	< 20		ug/l	20	5.0	20	SW8260C	02-Apr-19 09:41	02-Apr-19 20:26	11301	472951A	
71-55-6	1,1,1-Trichloroethane	< 100		ug/l	100	5.0	20	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 100		ug/l	100	5.0	20	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 20		ug/l	20	10	20	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 12		ug/l	12	10	20	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
591-78-6	2-Hexanone	< 50		ug/l	50	50	20	"	"	"	"	"	
527-84-4	2-Isopropyltoluene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 50		ug/l	50	50	20	"	"	"	"	"	
67-64-1	Acetone	< 100		ug/l	100	50	20	"	"	"	"	"	
107-02-8	Acrolein	< 100		ug/l	100	50	20	"	"	"	"	"	
107-13-1	Acrylonitrile	< 100		ug/l	100	50	20	"	"	"	"	"	
71-43-2	Benzene	< 14		ug/l	14	5.0	20	"	"	"	"	"	
108-86-1	Bromobenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
74-97-5	Bromochloromethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent	[none]	Ground Water	28-Mar-19 13:00	29-Mar-19
SC54163-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
75-27-4	Bromodichloromethane	< 20		ug/l	20	5.0	20	SW8260C	02-Apr-19 09:41	02-Apr-19 20:26	11301	472951A	
75-25-2	Bromoform	< 100		ug/l	100	5.0	20	"	"	"	"	"	
74-83-9	Bromomethane	< 100		ug/l	100	5.0	20	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 20		ug/l	20	5.0	20	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 20		ug/l	20	5.0	20	"	"	"	"	"	
108-90-7	Chlorobenzene	< 100		ug/l	100	5.0	20	"	"	"	"	"	
75-00-3	Chloroethane	< 100		ug/l	100	5.0	20	"	"	"	"	"	
67-66-3	Chloroform	< 100		ug/l	100	5.0	20	"	"	"	"	"	
74-87-3	Chloromethane	< 100		ug/l	100	5.0	20	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 8.0		ug/l	8.0	5.0	20	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
74-95-3	Dibromomethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
100-41-4	Ethylbenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 10		ug/l	10	4.0	20	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
179601-23-1	m&p-Xylene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 50		ug/l	50	50	20	"	"	"	"	"	
1634-04-4	Methyl t-butyl ether (MTBE)	**7.8**	J	ug/l	20	5.0	20	"	"	"	"	"	
75-09-2	Methylene chloride	< 60		ug/l	60	20	20	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
91-20-3	Naphthalene	< 20		ug/l	20	20	20	"	"	"	"	"	
95-47-6	o-Xylene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
100-42-5	Styrene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
109-99-9	Tetrahydrofuran (THF)	< 100		ug/l	100	50	20	"	"	"	"	"	
108-88-3	Toluene	< 20		ug/l	20	5.0	20	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	**9.3**	J	ug/l	100	5.0	20	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 8.0		ug/l	8.0	5.0	20	"	"	"	"	"	
110-57-6	trans-1,4-dichloro-2-butene	< 50		ug/l	50	50	20	"	"	"	"	"	
79-01-6	Trichloroethene	**260**		ug/l	20	5.0	20	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
76-13-1	Trichlorotrifluoroethane	< 20		ug/l	20	5.0	20	"	"	"	"	"	
75-01-4	Vinyl chloride	**160**		ug/l	20	5.0	20	"	"	"	"	"	
Surrogate recoveries:													
2199-69-1	*% 1,2-dichlorobenzene-d4*	*99*			*70-130 %*			"	"	"	"	"	
460-00-4	*% Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
1868-53-7	*% Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*% Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC54163-02	[none]	Ground Water	28-Mar-19 13:00	29-Mar-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	pH	**8.33**	pH	pH Units			1	ASTM D 1293-99B	29-Mar-19 12:30	29-Mar-19 13:30	ABW	1900437	
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Hardness (CaCO3)	**535**		mg/l	0.10	535	1	E200.7	02-Apr-19 15:08	02-Apr-19 15:08	11301	'[none]'	
Subcontracted Analyses Prepared by method SW3005A/SW3010A													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
7440-70-2	Calcium	**169**		mg/l	0.2	0.2	10	SW6010D	30-Mar-19	02-Apr-19 16:48	11301	472577A	
7439-95-4	Magnesium	**27.4**		mg/l	0.010	0.01	1	"	"	"	"	"	
Subcontracted Analyses Prepared by method SW8260C													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		ug/l	1.0	0.25	1	SW8260C	02-Apr-19 08:23	02-Apr-19 21:11	11301	472951A	
71-55-6	1,1,1-Trichloroethane	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 1.0		ug/l	1.0	0.50	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.60		ug/l	0.60	0.50	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 2.5		ug/l	2.5	2.5	1	"	"	"	"	"	
527-84-4	2-Isopropyltoluene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 2.5		ug/l	2.5	2.5	1	"	"	"	"	"	
67-64-1	Acetone	**3.9**	J, S	ug/l	5.0	2.5	1	"	"	"	"	"	
107-02-8	Acrolein	< 5.0		ug/l	5.0	2.5	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 5.0		ug/l	5.0	2.5	1	"	"	"	"	"	
71-43-2	Benzene	< 0.70		ug/l	0.70	0.25	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC54163-02	[none]	Ground Water	28-Mar-19 13:00	29-Mar-19

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
75-27-4	Bromodichloromethane	< 1.0		ug/l	1.0	0.25	1	SW8260C	02-Apr-19 08:23	02-Apr-19 21:11	11301	472951A	
75-25-2	Bromoform	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
74-83-9	Bromomethane	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
67-66-3	Chloroform	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
74-87-3	Chloromethane	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.40		ug/l	0.40	0.25	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		ug/l	0.50	0.20	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
179601-23-1	m&p-Xylene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 2.5		ug/l	2.5	2.5	1	"	"	"	"	"	
1634-04-4	Methyl t-butyl ether (MTBE)	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 3.0		ug/l	3.0	1.0	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.0		ug/l	1.0	1.0	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran (THF)	< 5.0		ug/l	5.0	2.5	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 5.0		ug/l	5.0	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.40		ug/l	0.40	0.25	1	"	"	"	"	"	
110-57-6	trans-1,4-dichloro-2-buten e	< 2.5		ug/l	2.5	2.5	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
76-13-1	Trichlorotrifluoroethane	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.0		ug/l	1.0	0.25	1	"	"	"	"	"	
Surrogate recoveries:													
2199-69-1	*% 1,2-dichlorobenzene-d4*	*101*			*70-130 %*			"	"	"	"	"	
460-00-4	*% Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Notes and Definitions

J	Estimated Below RL
S	Laboratory solvent, contamination is possible.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
pH	The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

SC54163 Bq

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Ecology & Environment, Inc
368 Pleasantview Dr
Lancaster, NY 14086

Telephone #: (716) 684-8060
Project Mgr: Mary Kate Mooney

Invoice To: E&E, Inc

P.O No.: _____ Quote #: _____

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

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: List Preservative Code below: —	4	2	Check if chlorinated
										pH	Hardness	VOC	
SC54163-1	INFLUENT	3/28/2019	1:00 P	G	GW				1	✓			☐
	INFLUENT			G	GW				1		✓		☐
	INFLUENT			G	GW	3						✓	☐
-2	EFFLUENT			G	GW				1	✓			☐
	EFFLUENT			G	GW				1		✓		☐
	EFFLUENT			G	GW	3						✓	☐
-3	HCL TB	11	11	G	W	2						✓	☐
													☐
													☐
													☐

Please send another Sample Kit (Do not send smallest coolers)

QA/QC Reporting Notes: * additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☒ No
CT DPH RCP Report? ☐ Yes ☒ No
☒ Standard ☐ No QC ☐ DQA*
☒ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Richard C Allen Jr	FedEx	3/29/19	10:30
FedEx			

Temp °C: Observed 6.0 Correction Factor 0 Corrected 6.0 IR ID # C1

☒ EDD format: PDF
☒ E-mail to: mmooneye@ene.com

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Attachment B
IEG Summary of Field Activities

March 2019

03/11/2019
03/20/2019
03/25/2019
04/01/2019

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

DATE: 6-Feb-19 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

WEATHER CONDITIONS: Partly cloudy, windy, cold *OUTSIDE TEMPERATURE (°F):*

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

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF:	ft	PW-5	ON:		OFF:	ft
PW-2	ON:		OFF:	ft	PW-6	ON:		OFF:	ft
PW-3	ON:		OFF:	ft	PW-7	ON:		OFF:	ft
PW-4	ON:		OFF:	ft	PW-8	ON:		OFF:	ft

EQUALIZATION TANK: ft Last Alarm D/T/Condition:

NOTES:

INFLUENT FLOW RATE: gpm INFLUENT TOTALIZER READING: 1 gallons

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

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

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

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

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

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* in. H_2O

AIR FLOW : fpm X 1.4 = 0 CFM *AIR SPARGER* *LEFT* *RIGHT* CFM

AIR TEMP: °F

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

EFFLUENT FLOW RATE: gpm *EFFLUENT TOTALIZER READING:* gallons

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

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

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

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

6-Feb-19

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:

RW-1 inner ring is corroded. Most MWs and UEs are covered with ice or snow.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: _____ **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

(Fan Inlet) **FLOW (fpm):** _____ _____

CONDENSATE _____ **gallon** **FLOW (cfm):** _____ _____

DRAINED **Y / N** **VACUUM GAUGE (in WC)** _____

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **NO**____ VOLUME: **-----** gallon

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

Remarks:

Other Actions: 586 Building SVE System is OFF due to freezing conditions.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

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

DATE: 20-Mar-19 **ACTIVITIES:** Site Inspection

INSPECTION PERSONNEL: R. Allen **OTHER PERSONNEL:** CIR Electric

WEATHER CONDITIONS: Sunny, cool **OUTSIDE TEMPERATURE (°F):** 35

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

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14	ft	PW-5	ON: √	OFF:	7	ft
PW-2	ON:	OFF: √	11	ft	PW-6	ON:	OFF: √	6	ft
PW-3	ON: √	OFF:	12	ft	PW-7	ON:	OFF: √	5	ft
PW-4	ON:	OFF: √	5	ft	PW-8	ON:	OFF: √	3	ft

EQUALIZATION TANK: 3 ft **Last Alarm D/T/Condition:** 3/19/2019 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 2 gpm **INFLUENT TOTALIZER READING:** 17288647 gallons

SEQUESTERING AGENT DRUM LEVEL: 32 inches (x 1.7=) **AMOUNT OF AGENT REMAINING:** 55 gallons

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	8	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 **INFLUENT PUMP PRESSURE:** 7 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 **AIR STRIPPER PRESSURE:** 8 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O **DISCHARGE PRESSURE:** 9.7 in. H_2O

AIR FLOW : 1425 fpm X 1.4 = 1995 CFM **AIR SPARGER** LEFT 7.0 RIGHT 2.8 CFM

AIR TEMP: 84.5 °F

EFFLUENT PUMP IN USE: #1 √ #2 **EFFLUENT FEED PUMP PRESSURE:** 4 psi

EFFLUENT FLOW RATE: 84 gpm **EFFLUENT TOTALIZER READING:** 84,855,294 | 518690 gallons

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

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

WATER LEVEL IN SUMP: 7.5 in. **TREATMENT BUILDING CLEAN & ORGANIZED?** YES: √ NO:

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

20-Mar-19

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:

RW-1 inner ring is corroded. Some of the MWs are covered with snow piles.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER:	**1.2**	**in. WC**	west	east	***NOTES:*** cfm = 0.05 x fpm (3" PVC)
(Fan Inlet)		**FLOW (fpm):**			
CONDENSATE	**0.5**	**gallon**	**FLOW (cfm):**		
DRAINED	**Yes**	**VACUUM GAUGE (in WC)**			

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **NO**____ VOLUME: **-----** gallon

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

Remarks:

Other Actions: 586 Building SVE System is OFF due to freezing conditions.

Turn System ON - Mar 19.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

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

DATE: 25-Mar-19 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Sunny, cool *OUTSIDE TEMPERATURE (°F):* 35

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

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	13	ft	PW-5	ON:	OFF: √	6	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON:	OFF: √	5	ft
PW-3	ON: √	OFF:	12	ft	PW-7	ON:	OFF: √	5	ft
PW-4	ON:	OFF: √	4	ft	PW-8	ON:	OFF: √	4	ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 3/19/2019 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 17322037 gallons

SEQUESTERING AGENT DRUM LEVEL: 25 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 43 gallons

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	8	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 7 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 5 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 9.7 in. H_2O

AIR FLOW : 1400 fpm X 1.4 = 1960 CFM *AIR SPARGER* *LEFT* 6.5 *RIGHT* 2.8 CFM

AIR TEMP: 87 °F

EFFLUENT PUMP IN USE: #1 √ #2 *EFFLUENT FEED PUMP PRESSURE:* 4 psi

EFFLUENT FLOW RATE: 85 gpm *EFFLUENT TOTALIZER READING:* 84,877,501 | 540990 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: *INSIDE TEMPERATURE (°F):* 62

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

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

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

25-Mar-19

SAMPLES COLLECTED? **YES:** √ **NO:** _____ 28-Mar

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	12:30 pm	7.3	6.7	12.9	3.03
AIR STRIPPER EFFLUENT:	EFF	12:30 pm	8.6	8.9	13.9	3.04

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:

RW-1 inner ring is corroded. A couple of the MWs are covered with snow piles.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.2** **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

(Fan Inlet) **FLOW (fpm):** _____ _____

CONDENSATE **-----** **gallon** **FLOW (cfm):** _____ _____

DRAINED **No** **VACUUM GAUGE (in WC)** _____

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **NO**____ VOLUME: **-----** gallon

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

Remarks:

Other Actions: 586 SVE System turned ON

Replaced cover on outside electric box on the east wall.

Zip tied loose wire to conduit on outside east wall.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

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

DATE: 1-Apr-19 **ACTIVITIES:** Site Inspection

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

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

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

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14	ft	PW-5	ON:	OFF: √	6	ft
PW-2	ON:	OFF: √	11	ft	PW-6	ON:	OFF: √	6	ft
PW-3	ON: √	OFF:	12	ft	PW-7	ON:	OFF: √	6	ft
PW-4	ON:	OFF: √	5	ft	PW-8	ON: √	OFF:	4	ft

EQUALIZATION TANK: 4 ft **Last Alarm D/T/Condition:** 3/19/2019 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm **INFLUENT TOTALIZER READING:** 17367367 gallons

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

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

	Top	Bottom		Top	Bottom	
BAG FILTER PRESSURES: LEFT:	0	0	psi	RIGHT: 8	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 **INFLUENT PUMP PRESSURE:** 7 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 **AIR STRIPPER PRESSURE:** 4 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O **DISCHARGE PRESSURE:** 9.8 in. H_2O

AIR FLOW : 1400 fpm X 1.4 = 1960 CFM **AIR SPARGER** LEFT 6.6 RIGHT 3.0 CFM

AIR TEMP: 87.6 °F

EFFLUENT PUMP IN USE: #1 √ #2 **EFFLUENT FEED PUMP PRESSURE:** 5 psi

EFFLUENT FLOW RATE: 81 gpm **EFFLUENT TOTALIZER READING:** 84,908,435 | 571930 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: **INSIDE TEMPERATURE (°F):** 62

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

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

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

1-Apr-19

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:

RW-1 inner ring is corroded. PZ-1B and PZ-6A have winter concrete damage around road boxes.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: 1.3 **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

(Fan Inlet) **FLOW (fpm):**

CONDENSATE 1.0 **gallon** **FLOW (cfm):**

DRAINED Yes **VACUUM GAUGE (in WC)**

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **NO**____ VOLUME: ----- gallon

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

Remarks:

Other Actions: Replaced broken electric box cover on outside wall. Sealed conduit and electric box.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

Attachment C
Summary of Site Utility Costs and Projections
January to December 2019

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs
NYSDEC Work Assignment #1703074.0011.11
12 Months of System Operation and Maintenance
March 2019 Report

ATTACHMENT C

Utility Budget:	Electric:	$25,300.00
	Telephone:	$540.00
	Gas	$1,120.00
	Total:	$26,960.00

Gas and Electric

Utility Provider	Account #	E&E Cost Center	Description	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019
New York State E&G	1001-0310-422	EN-003229-0001-03TTO	Mr. C's Electric Costs	$ 1,406.49	$ 860.17				
New York State E&G	76-311-11-015900-18								
National Fuel Gas	7160295 10	EN-003229-0001-03TTO	Mr. C's Natural Gas Costs						
			Totals	**$ 1,406.49**	**$ 860.17**	**$ -**	**$ -**	**$ -**	**$ -**

		Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019
	Mr. C's Electric Costs						
	Mr. C's Natural Gas Costs						
	Totals	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Electric - Mr. C's **$ 2,266.66**

Natural Gas - Mr. C's **$ -**

Grand Total - NYSE&G/National Fuel Gas Costs To Date **$ 2,266.66**

Notes:

Overbilled natural gas costs - no charges

Estimated Reading

Telephone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019
Granite Telecommunications				$ 41.62	$ 46.88	$ 43.80			
Account # 01890582	866-874-5500	EN-003229-0001-03TTO	Mr. C's Telephone Costs	**Jul-2019**	**Aug-2019**	**Sep-2019**	**Oct-2019**	**Nov-2019**	**Dec-2019**

Verizon Costs to Date - Mr. C's **$ 132.30**

Grand Total All Utilities To Date	**$**	**2,398.96**

Monthly Average Costs

Mr. C's Electric	$ 1,133.33
Mr. C's Gas	#DIV/0!
Mr. C's Telephone	$ 44.10
Average Utility Cost Total	**#DIV/0!**
12 Month Estimate	**#DIV/0!**

Budget Remaining:	Electric:	$23,033.34
	Telephone:	$407.70
	Gas	$1,120.00
	Total:	$24,561.04