ecology and environment engineering and geology, p.c.
Environmental Specialists

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December 21, 2020

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 # D009807, Site # 915157
November 2020 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the November 2020 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 November 2020 reporting period, the treatment system was in operation from November 3, 2020 through November 30, 2020. The November monthly OM&M sampling was performed on November 3, 2020, and the results were received from Eurofins on November 17, 2020 (See Attachment A). A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is provided in Attachment B.

In review of the on-site treatment system operations, monitoring and maintenance from IEG for November 2020, 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 November 3, 2020 through November 30, 2020, had an approximate operational up-time of 100%, and 95,887 gallons of contaminated groundwater were treated during the reporting period. The treated effluent volumes and operational up-time can be seen in Table 1.
- The compliance samples from November 3, 2020 collected from the effluent sampling port met all requirements of the SPDES Equivalency permit. The effluent results are provided in Table 2.
- The analytical summary results of the November 3, 2020 samples revealed the total volatile organic contaminant concentrations of the influent to be 4,251.0 µg/L and the concentration of total volatile organic contaminants in the effluent was 0.0 µg/L. The summary of influent and effluent contaminant concentrations for the November 2020 sampling are presented in Table 3. Figure 1 shows the influent and effluent VOC concentrations during each sampling event in 2018, 2019, and 2020.

- The Mr. C's treatment system, based on the total flows from the uptime operations, removed 3.40 lbs. of targeted contaminants from the groundwater between November 3, 2020 through November 30, 2020. The cleanup effectiveness for November 2020 was approximately 100%. The calculations and data for the month are presented in Table 3. The mass of VOCs removed each month throughout 2018, 2019 and 2020 is shown in Figure 2.

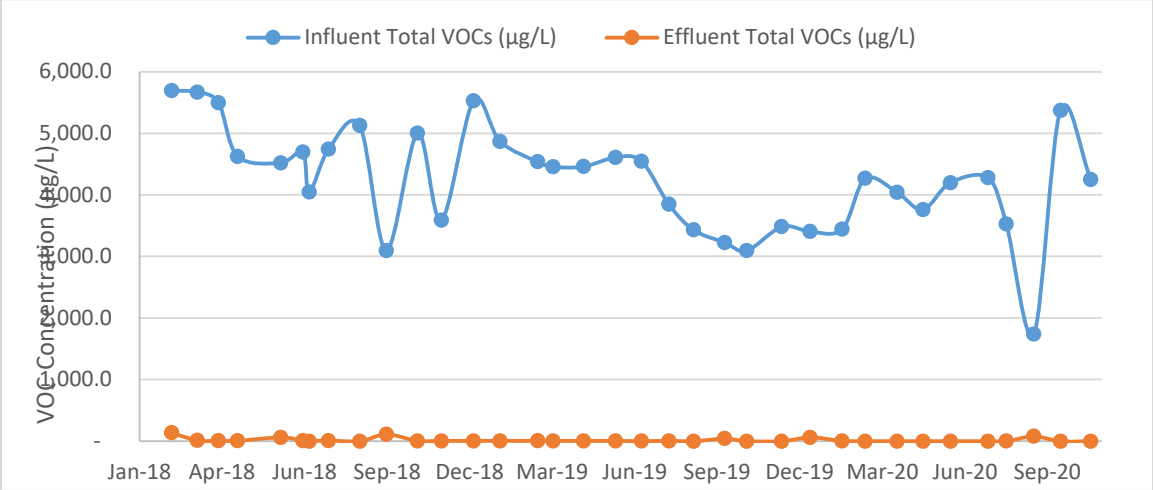

Figure 1: Monthly Influent and Effluent VOC concentrations - 2018 - 2020.

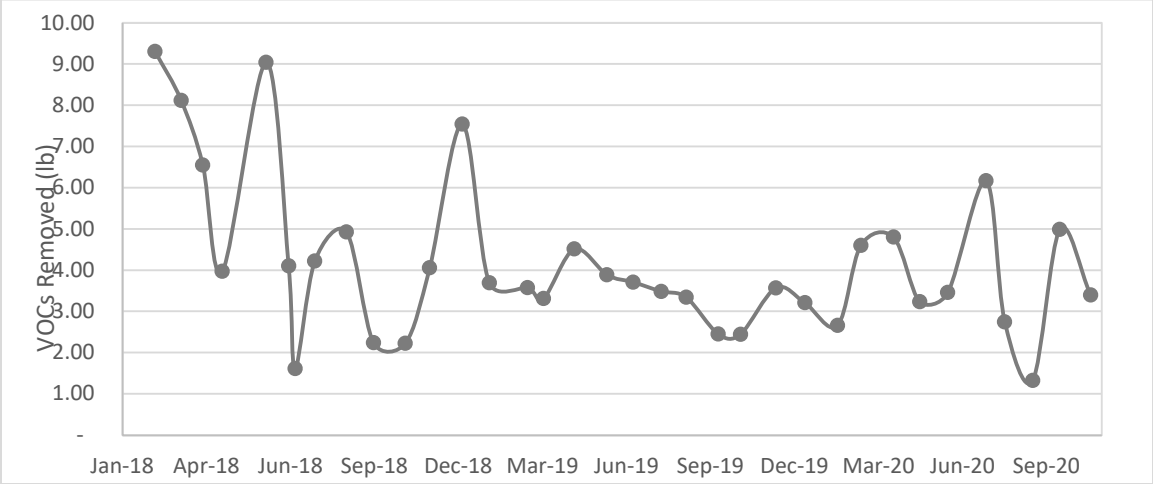

Figure 2: Mass of VOCs removed each month - 2018 - 2020.

If you have questions regarding the November 2020 OM&M report summary, please do not hesitate to contact me at 716-684-8060 or ashlee.smith@wsp.com.

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

Ashlee Smith, P.E.
Project Manager

cc: M. Kuczka, Region 9, NYSDEC – Buffalo 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 (gallons)	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 01/03/20)		**147,266**	**91.54%**	**134,339,311**	**NA**	**NA**	**1,794.68**
January 03, 2020 to February 07, 2020	February 6, 2020	672	77.78%	92,500	3,439.0	5.00	2.65
February 08, 2020 to March 02, 2020	March 2, 2020	576	100.00%	129,217	4,267.7	0.00	4.60
March 03, 2020 to April 06, 2020	April 6, 2020	840	100.00%	142,390	4,040	0.00	4.80
April 07, 2020 to May 04, 2020	May 4, 2020	672	100.00%	103,085	3,761	0.00	3.24
May 05, 2020 to June 03, 2020	June 3, 2020	720	100.00%	98,755	4,199	0.00	3.46
June 04, 2020 to August 03, 2020	July 14, 2020	1320	90.16%	172,706	4,280	0.00	6.17
August 04, 2020 to August 31, 2020	August 3, 2020	672	100.00%	93,458	3,525	0.90	2.75
September 01, 2020 to September 28, 2020	September 2, 2020	672	100.00%	91,163	1,662	78.50	1.26
September 29, 2020 to November 02, 2020	October 1, 2020	780	92.86%	111,305	5,372	0.00	4.99
November 03, 2020 to November 30, 2020	November 3, 2020	672	100.00%	95,887	4,251	0.00	3.40
Total in 2020		**7,596**	**95.05%**	**1,130,466**	**NA**	**NA**	**37.32**
Total from startup		**154,862**	**91.72%**	**135,469,777**	**NA**	**NA**	**1,832.00**

NOTES:

1. Up-time based as percentage of total reporting hours.
2. Treatment system operated by Iyer Environmental Group from 07/07/2016 to 2/24/2020 and 6/17/20 to present. GES operated the system from 2/24/20 to 6/17/20.
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:

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

µg/L = micrograms per liter
lbs = pounds

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

Parameter/Analyte	Daily Maximum[1]	Units	November 3, 2020 Effluent Analytical Values Compliance
Flow (Average)[2]	N/A	gpd	3,425
pH	6.0 - 9.0	standard units	8.5
1,1 Dichloroethene	10	µg/L	ND(<2.0)
cis-1,2-dichloroethene	10	µg/L	ND(<2.0)
Trichloroethene	10	µg/L	ND(<2.0)
Tetrachloroethene	10	µg/L	ND(<2.0)
Vinyl Chloride	10	µg/L	ND(<2.0)
Benzene	5	µg/L	ND(<2.0)
Ethylbenzene	5	µg/L	ND(<2.0)
Methylene Chloride	10	µg/L	ND (<2.0)
1,1,1 Trichloroethane	10	µg/L	ND (<2.0)
Toluene	5	µg/L	ND(<2.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND(<2.0)
o-Xylene[3]	5	µg/L	ND(<4.0)
m, p-Xylene[3]	10	µg/L	ND(<4.0)
Total Xylenes	NA	ug/L	ND(<4.0)
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	mg/L	540
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:

   November 3, 2020 through November 30, 2020 = 3,425 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.

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

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #915157
November 2020 VOC Analytical Summary

Compound	Based on the November 3, 2020 Effluent Analytical Results				
	Influent Concentration (ug/L)		Effluent Concentration (ug/L)		Treatment Efficiency* (%)
Acetone	ND(<400)	U	ND(<20)	U	NA
Benzene	ND(<40)	U	ND(<2.0)	U	NA
2-Butanone	ND(<400)	U	ND(<20)	U	NA
1,1-Dichloroethene	ND (<40)	U	ND(<2.0)	U	NA
cis-1, 2-Dichloroethene	1,700		ND(<2.0)	U	100.00%
Chloroform	ND(<40)	U	ND(<2.0)	U	NA
Chloromethane	ND(<40)	U	ND(<2.0)	U	NA
Methylene chloride	ND(<40)	U	ND (<2.0)	U	NA
Methyl tert-butyl ether (MTBE)	11	J	ND(<2.0)	U	100.00%
Methyl acetate	ND(<100)	U	ND(<5.0)	U	NA
Tetrachloroethene (PCE)	2,000		ND(<2.0)	U	100.00%
Toluene	ND(<40)	U	ND(<2.0)	U	NA
Trichloroethene (TCE)	400		ND(<2.0)	U	100.00%
Carbon Disulfide	ND(<40)	U	ND(<2.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND(<40)	U	ND(<2.0)	U	NA
2-Hexanone	ND(<200)	U	ND(<10)	U	NA
4-Methyl-2-pentanone	ND(<200)	U	ND(<10)	U	NA
Cyclohexane	ND(<40)	U	ND(<2.0)	U	NA
trans-1,2-dichloroethene	ND(<40)	U	ND(<2.0)	U	NA
Chlorobenzene	ND(<40)	U	ND(<2.0)	U	NA
Methylcyclohexane	ND(<40)	U	ND(<2.0)	U	NA
Ethylbenzene	ND(<40)	U	ND(<2.0)	U	NA
Vinyl Chloride	140		ND(<2.0)	U	100.00%
Total Xylenes	ND(<80)	U	ND(<4.0)	U	NA
TOTAL:	**4,251**		**0.0**		**100.00%**

Notes:

1. The efficiency cleanup values are calculated based on the November 3, 2020 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. "F1"=MS and/or MSD recovery exceeds control limits.
6. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
7. "S" indicates an estimated value and suspected lab contamination.
8. "Bold" - exceeds the SPDES Equilavency Permit Requirements.

* Contaminants of Concern only

Attachment A
Excerpts from the Groundwater Treatment System Analytical Report from Eurofins TestAmerica

Analytical Data Package Work Order ID: J177564
Sampled by IEG: November 3, 2020
Report Received: November 17, 2020

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177564-1
Client Project/Site: Mr. C's Dry Cleaner

For:
Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, New York 14086

Attn: Ashlee Smith

Authorized for release by:
11/17/2020 12:40:55 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

Definitions/Glossary

Client: Ecology and Environment, Inc.
Job ID: 480-177564-1
Project/Site: Mr. C's Dry Cleaner

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-177564-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177564-1

Comments
No additional comments.

Receipt
The samples were received on 11/3/2020 2:04 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: EFFLUENT (480-177564-2) and DISCHARGE (480-177564-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-177564-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-557397 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: INFLUENT (480-177564-1), EFFLUENT (480-177564-2) and DISCHARGE (480-177564-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: INFLUENT (480-177564-1) and EFFLUENT (480-177564-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-177564-1

Client Sample ID: INFLUENT — Lab Sample ID: 480-177564-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1700		40	32	ug/L	40		8260C	Total/NA
Methyl tert-butyl ether	11	J	40	6.4	ug/L	40		8260C	Total/NA
Tetrachloroethene	2000		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	400		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	140		40	36	ug/L	40		8260C	Total/NA
Hardness as calcium carbonate	530		10.0	2.6	mg/L	1		SM 2340C	Total/NA
pH	7.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	17.6	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-177564-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	540		4.0	1.1	mg/L	1		SM 2340C	Total/NA
pH	8.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	17.7	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: DISCHARGE — Lab Sample ID: 480-177564-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-177564-1

Client Sample ID: INFLUENT
Date Collected: 11/03/20 11:30
Date Received: 11/03/20 14:04

Lab Sample ID: 480-177564-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	40	U	40	33	ug/L			11/05/20 04:33	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			11/05/20 04:33	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			11/05/20 04:33	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			11/05/20 04:33	40
1,1-Dichloroethane	40	U	40	15	ug/L			11/05/20 04:33	40
1,1-Dichloroethene	40	U	40	12	ug/L			11/05/20 04:33	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			11/05/20 04:33	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			11/05/20 04:33	40
1,2-Dibromoethane	40	U	40	29	ug/L			11/05/20 04:33	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			11/05/20 04:33	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			11/05/20 04:33	40
1,2-Dichloropropane	40	U	40	29	ug/L			11/05/20 04:33	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			11/05/20 04:33	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			11/05/20 04:33	40
2-Butanone (MEK)	400	U	400	53	ug/L			11/05/20 04:33	40
2-Hexanone	200	U	200	50	ug/L			11/05/20 04:33	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			11/05/20 04:33	40
Acetone	400	U	400	120	ug/L			11/05/20 04:33	40
Benzene	40	U	40	16	ug/L			11/05/20 04:33	40
Bromodichloromethane	40	U	40	16	ug/L			11/05/20 04:33	40
Bromoform	40	U	40	10	ug/L			11/05/20 04:33	40
Bromomethane	40	U	40	28	ug/L			11/05/20 04:33	40
Carbon disulfide	40	U	40	7.6	ug/L			11/05/20 04:33	40
Carbon tetrachloride	40	U	40	11	ug/L			11/05/20 04:33	40
Chlorobenzene	40	U	40	30	ug/L			11/05/20 04:33	40
Chloroethane	40	U	40	13	ug/L			11/05/20 04:33	40
Chloroform	40	U	40	14	ug/L			11/05/20 04:33	40
Chloromethane	40	U	40	14	ug/L			11/05/20 04:33	40
cis-1,2-Dichloroethene	**1700**		40	32	ug/L			11/05/20 04:33	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			11/05/20 04:33	40
Cyclohexane	40	U	40	7.2	ug/L			11/05/20 04:33	40
Dibromochloromethane	40	U	40	13	ug/L			11/05/20 04:33	40
Dichlorodifluoromethane	40	U	40	27	ug/L			11/05/20 04:33	40
Ethylbenzene	40	U	40	30	ug/L			11/05/20 04:33	40
Isopropylbenzene	40	U	40	32	ug/L			11/05/20 04:33	40
Methyl acetate	100	U	100	52	ug/L			11/05/20 04:33	40
Methyl tert-butyl ether	**11**	**J**	40	6.4	ug/L			11/05/20 04:33	40
Methylcyclohexane	40	U	40	6.4	ug/L			11/05/20 04:33	40
Methylene Chloride	40	U	40	18	ug/L			11/05/20 04:33	40
Styrene	40	U	40	29	ug/L			11/05/20 04:33	40
Tetrachloroethene	**2000**		40	14	ug/L			11/05/20 04:33	40
Toluene	40	U	40	20	ug/L			11/05/20 04:33	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			11/05/20 04:33	40
trans-1,3-Dichloropropene	40	U	40	15	ug/L			11/05/20 04:33	40
Trichloroethene	**400**		40	18	ug/L			11/05/20 04:33	40
Trichlorofluoromethane	40	U	40	35	ug/L			11/05/20 04:33	40
Vinyl chloride	**140**		40	36	ug/L			11/05/20 04:33	40
Xylenes, Total	80	U	80	26	ug/L			11/05/20 04:33	40

Client Sample ID: INFLUENT

Lab Sample ID: 480-177564-1

Date Collected: 11/03/20 11:30

Matrix: Water

Date Received: 11/03/20 14:04

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		11/05/20 04:33	40
4-Bromofluorobenzene (Surr)	86		73 - 120		11/05/20 04:33	40
Dibromofluoromethane (Surr)	94		75 - 123		11/05/20 04:33	40
Toluene-d8 (Surr)	92		80 - 120		11/05/20 04:33	40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	530		10.0	2.6	mg/L			11/11/20 12:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.3	HF	0.1	0.1	SU			11/10/20 11:13	1
Temperature	17.6	HF	0.001	0.001	Degrees C			11/10/20 11:13	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-177564-2

Date Collected: 11/03/20 11:30

Matrix: Water

Date Received: 11/03/20 14:04

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	1.6	ug/L			11/05/20 04:58	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			11/05/20 04:58	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			11/05/20 04:58	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			11/05/20 04:58	2
1,1-Dichloroethane	2.0	U	2.0	0.76	ug/L			11/05/20 04:58	2
1,1-Dichloroethene	2.0	U	2.0	0.58	ug/L			11/05/20 04:58	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			11/05/20 04:58	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			11/05/20 04:58	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			11/05/20 04:58	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			11/05/20 04:58	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			11/05/20 04:58	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			11/05/20 04:58	2
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			11/05/20 04:58	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			11/05/20 04:58	2
2-Butanone (MEK)	20	U	20	2.6	ug/L			11/05/20 04:58	2
2-Hexanone	10	U	10	2.5	ug/L			11/05/20 04:58	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			11/05/20 04:58	2
Acetone	20	U	20	6.0	ug/L			11/05/20 04:58	2
Benzene	2.0	U	2.0	0.82	ug/L			11/05/20 04:58	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			11/05/20 04:58	2
Bromoform	2.0	U	2.0	0.52	ug/L			11/05/20 04:58	2
Bromomethane	2.0	U	2.0	1.4	ug/L			11/05/20 04:58	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			11/05/20 04:58	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			11/05/20 04:58	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			11/05/20 04:58	2
Chloroethane	2.0	U	2.0	0.64	ug/L			11/05/20 04:58	2
Chloroform	2.0	U	2.0	0.68	ug/L			11/05/20 04:58	2
Chloromethane	2.0	U	2.0	0.70	ug/L			11/05/20 04:58	2
cis-1,2-Dichloroethene	2.0	U	2.0	1.6	ug/L			11/05/20 04:58	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			11/05/20 04:58	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			11/05/20 04:58	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			11/05/20 04:58	2

Client Sample ID: EFFLUENT

Lab Sample ID: 480-177564-2

Date Collected: 11/03/20 11:30

Matrix: Water

Date Received: 11/03/20 14:04

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			11/05/20 04:58	2
Ethylbenzene	2.0	U	2.0	1.5	ug/L			11/05/20 04:58	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			11/05/20 04:58	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			11/05/20 04:58	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			11/05/20 04:58	2
Methylcyclohexane	2.0	U	2.0	0.32	ug/L			11/05/20 04:58	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			11/05/20 04:58	2
Styrene	2.0	U	2.0	1.5	ug/L			11/05/20 04:58	2
Tetrachloroethene	2.0	U	2.0	0.72	ug/L			11/05/20 04:58	2
Toluene	2.0	U	2.0	1.0	ug/L			11/05/20 04:58	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			11/05/20 04:58	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			11/05/20 04:58	2
Trichloroethene	2.0	U	2.0	0.92	ug/L			11/05/20 04:58	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			11/05/20 04:58	2
Vinyl chloride	2.0	U	2.0	1.8	ug/L			11/05/20 04:58	2
Xylenes, Total	4.0	U	4.0	1.3	ug/L			11/05/20 04:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/05/20 04:58*	*2*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/05/20 04:58*	*2*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/05/20 04:58*	*2*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/05/20 04:58*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**540**		4.0	1.1	mg/L			11/16/20 11:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**	**HF**	0.1	0.1	SU			11/10/20 11:14	1
Temperature	**17.7**	**HF**	0.001	0.001	Degrees C			11/10/20 11:14	1

Client Sample ID: DISCHARGE

Lab Sample ID: 480-177564-3

Date Collected: 11/03/20 11:30

Matrix: Water

Date Received: 11/03/20 14:04

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	1.6	ug/L			11/05/20 05:23	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			11/05/20 05:23	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			11/05/20 05:23	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			11/05/20 05:23	2
1,1-Dichloroethane	2.0	U	2.0	0.76	ug/L			11/05/20 05:23	2
1,1-Dichloroethene	2.0	U	2.0	0.58	ug/L			11/05/20 05:23	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			11/05/20 05:23	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			11/05/20 05:23	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			11/05/20 05:23	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			11/05/20 05:23	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			11/05/20 05:23	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			11/05/20 05:23	2
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			11/05/20 05:23	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			11/05/20 05:23	2

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-177564-1

Client Sample ID: DISCHARGE
Date Collected: 11/03/20 11:30
Date Received: 11/03/20 14:04

Lab Sample ID: 480-177564-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	20	U	20	2.6	ug/L			11/05/20 05:23	2
2-Hexanone	10	U	10	2.5	ug/L			11/05/20 05:23	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			11/05/20 05:23	2
Acetone	20	U	20	6.0	ug/L			11/05/20 05:23	2
Benzene	2.0	U	2.0	0.82	ug/L			11/05/20 05:23	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			11/05/20 05:23	2
Bromoform	2.0	U	2.0	0.52	ug/L			11/05/20 05:23	2
Bromomethane	2.0	U	2.0	1.4	ug/L			11/05/20 05:23	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			11/05/20 05:23	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			11/05/20 05:23	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			11/05/20 05:23	2
Chloroethane	2.0	U	2.0	0.64	ug/L			11/05/20 05:23	2
Chloroform	2.0	U	2.0	0.68	ug/L			11/05/20 05:23	2
Chloromethane	2.0	U	2.0	0.70	ug/L			11/05/20 05:23	2
cis-1,2-Dichloroethene	2.0	U	2.0	1.6	ug/L			11/05/20 05:23	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			11/05/20 05:23	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			11/05/20 05:23	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			11/05/20 05:23	2
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			11/05/20 05:23	2
Ethylbenzene	2.0	U	2.0	1.5	ug/L			11/05/20 05:23	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			11/05/20 05:23	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			11/05/20 05:23	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			11/05/20 05:23	2
Methylcyclohexane	2.0	U	2.0	0.32	ug/L			11/05/20 05:23	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			11/05/20 05:23	2
Styrene	2.0	U	2.0	1.5	ug/L			11/05/20 05:23	2
Tetrachloroethene	2.0	U	2.0	0.72	ug/L			11/05/20 05:23	2
Toluene	2.0	U	2.0	1.0	ug/L			11/05/20 05:23	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			11/05/20 05:23	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			11/05/20 05:23	2
Trichloroethene	2.0	U	2.0	0.92	ug/L			11/05/20 05:23	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			11/05/20 05:23	2
Vinyl chloride	2.0	U	2.0	1.8	ug/L			11/05/20 05:23	2
Xylenes, Total	4.0	U	4.0	1.3	ug/L			11/05/20 05:23	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/05/20 05:23*	*2*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*11/05/20 05:23*	*2*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/05/20 05:23*	*2*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/05/20 05:23*	*2*

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 30 days unless otherwise instructed.

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

Telephone #: (716) 684-8060
Project Mgr: Ashlee Smith

Invoice To: Same

P.O No.: _____ Quote #: _____

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

F=Field Filtered 1=Na_2S2O_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=Drinking 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

List Preservative Code below: — | 4 | 2

QA/QC Reporting Notes:
* additional charges may appply

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

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: pH	Hardness	VOCs	Check if chlorinated
	INFLUENT	11/3/20	11:30A	G	GW				1	✓			☐
	INFLUENT			G	GW				1		✓		☐
	INFLUENT			G	GW	3						✓	☐
	EFFLUENT			G	GW				1	✓			☐
	EFFLUENT			G	GW				1		✓		☐
	EFFLUENT			G	GW	3						✓	☐
	DISCHARGE	↓	↓	G	GW	3						✓	☐
													☐
													☐
													☐

480-177564 Chain of Custody

Relinquished by:	Received by:	Date:	Time:
Richard C Allen Jr		11/3/20	
	THFD	11/3/20	1404

Temp °C: Observed 3.3 | Correction Factor #1 | Corrected ICE | HR ID #

[x] EDD format: PDF
[x] E-mail to: iyerenv@gmail.com
RKnappert@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

November 2020

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - Nov 2020

DATE	ACTIVITY
2-Nov-20	OM&M Weekly Inspection. Monthly Time and Expenses. Dropped off IEG equipment to Treatment Room.
3-Nov-20	OM&M Weekly Inspection and Sampling. October End of Month Summaries.
4-Nov-20	Checked System. Changed Bag Filters.
7-Nov-20	Checked System. Poured decanted E&E, Inc piezometer sampling water into sump box.
9-Nov-20	OM&M Weekly Inspection.
11-Nov-20	Checked System. Swept up leaves in front of Treatment Room. Poured decanted bag filter change water into sump box.
16-Nov-20	OM&M Weekly Inspection. Mixed new batch of Redux solution.
20-Nov-20	Checked System. Swept up leaves in front of Treatment Room. Drained 586 Building SVE System. Moved temperature sensitive materials inside for the winter. Loaded Electric Heaters into truck.
24-Nov-20	OM&M Weekly Inspection. Met NFG inspector to read gas meter. Dropped off and set up electric heaters in Treatment Room.
27-Nov-20	Piezometer Readings. Office work.
30-Nov-20	OM&M Weekly Inspection. Mixed new batch of Redux solution.

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

DATE: 2-Nov-20 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

WEATHER CONDITIONS: Cloudy, cool, windy *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 on AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14 ft	PW-5	ON: √	OFF:	4 ft
PW-2	ON:	OFF: √	11 ft	PW-6	ON:	OFF: √	4 ft
PW-3	ON: √	OFF:	11 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: 6/23/2020 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 20377573 gallons

SEQUESTERING AGENT DRUM LEVEL: 27 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 46 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:* 0.9 (24.9) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.7 in. H_2O

AIR FLOW : 1300 fpm X 1.4 = 1820 CFM *AIR SPARGER* *LEFT* 6.8 *RIGHT* 2.9 CFM

AIR TEMP: 89.5 °F

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

EFFLUENT FLOW RATE: 85 gpm *EFFLUENT TOTALIZER READING:* 86,911,871 broken gallons

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

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

WATER LEVEL IN SUMP: 2.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

2-Nov-20

SAMPLES COLLECTED? **YES:** √ **NO:** _____ Sampling Nov 3

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	10:00 am	6.7	7.2	12.5	1860
AIR STRIPPER EFFLUENT:	EFF	10:00 am	7.8	9.2	12.7	1860

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. MPI-5S and MW-8 inner rings are damaged.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.3** **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: **YES** √ VOLUME: **0.5** gallon

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

Remarks:

Other Actions: Returned IEG equipment from shed to Treatment Room.

Poured decanted E&E, Inc piezometer sampling water into sump box.

Changed Bag Filters.

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

DATE: 16-Nov-20 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Cloudy, drizzle, cool *OUTSIDE TEMPERATURE (°F):* 40

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 on AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 6/23/2020 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 1 gpm INFLUENT TOTALIZER READING: 20444836 gallons

SEQUESTERING AGENT DRUM LEVEL: 3 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 5 gallons

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:		0	psi	RIGHT:	7	0	psi

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

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 0.9 (24.9) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.5 in. H_2O

AIR FLOW : 1380 fpm X 1.4 = 1932 CFM *AIR SPARGER* *LEFT* 6.8 *RIGHT* 2.9 CFM

AIR TEMP: 92.2 °F

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

EFFLUENT FLOW RATE: 84 gpm *EFFLUENT TOTALIZER READING:* 86,960,783 broken gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: *INSIDE TEMPERATURE (°F):* 69

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

WATER LEVEL IN SUMP: 2.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

16-Nov-20

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. MPI-5S and MW-8 inner rings are damaged.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.3** **in. WC** (Fan Inlet)

CONDENSATE **0.5** **gallon** **DRAINED** **Yes**

	west	east
FLOW (fpm):		
FLOW (cfm):		
VACUUM GAUGE (in WC)		

NOTES: cfm = 0.05 x fpm (3" PVC)

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **YES** √ VOLUME: **0.5** gallon

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

Remarks:

Other Actions: Mixed new batch of Redux solution; 1 Redux : 2 Water.

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

DATE: 23-Nov-20 **ACTIVITIES:** Site Inspection

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

WEATHER CONDITIONS: _____ **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 on AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14 ft	PW-5	ON: √	OFF:	4 ft
PW-2	ON:	OFF: √	10 ft	PW-6	ON:	OFF: √	5 ft
PW-3	ON: √	OFF:	11 ft	PW-7	ON:	OFF: √	3 ft
PW-4	ON:	OFF: √	6 ft	PW-8	ON:	OFF: √	6 ft

EQUALIZATION TANK: 4 ft **Last Alarm D/T/Condition:** 6/23/2020 Air Stripper Low Pressure

NOTES: _____

INFLUENT FLOW RATE: 16 gpm **INFLUENT TOTALIZER READING:** 20482275 gallons

SEQUESTERING AGENT DRUM LEVEL: 15 inches (x 1.7=) **AMOUNT OF AGENT REMAINING:** 26 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:** 0.9 (24.9) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O **DISCHARGE PRESSURE:** 2.9 in. H_2O

AIR FLOW : 1400 fpm X 1.4 = 1960 CFM **AIR SPARGER** **LEFT** 6.8 **RIGHT** 2.8 CFM

AIR TEMP: 88.5 °F

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

EFFLUENT FLOW RATE: 83 gpm **EFFLUENT TOTALIZER READING:** 86,987,189 broken gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: _____ **INSIDE TEMPERATURE (°F):** 67

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

WATER LEVEL IN SUMP: 2.0 in. **TREATMENT BUILDING CLEAN & ORGANIZED?** YES: √ NO: _____

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

23-Nov-20

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. MPI-5S and MW-8 inner rings are damaged.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER:	**1.3**	**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: Met with National Fuel & Gas inspector to read the Treatment Room gas meter.

Dropped off and set up electric heaters in the Treatment Room.

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

DATE: 30-Nov-20 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Rain, cool *OUTSIDE TEMPERATURE (°F):* 40

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 on AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14 ft	PW-5	ON: √	OFF:	3 ft
PW-2	ON:	OFF: √	10 ft	PW-6	ON:	OFF: √	7 ft
PW-3	ON: √	OFF:	12 ft	PW-7	ON:	OFF: √	6 ft
PW-4	ON:	OFF: √	6 ft	PW-8	ON:	OFF: √	8 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 6/23/2020 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 20513266 gallons

SEQUESTERING AGENT DRUM LEVEL: 1 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 2 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:* 0.9 (24.9) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.7 in. H_2O

AIR FLOW : 1375 fpm X 1.4 = 1925 CFM *AIR SPARGER* *LEFT* 6.8 *RIGHT* 2.8 CFM

AIR TEMP: 83.1 °F

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

EFFLUENT FLOW RATE: 85 gpm *EFFLUENT TOTALIZER READING:* 87,007,758 broken 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: 4.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

30-Nov-20

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. MPI-5S and MW-8 inner rings are damaged.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: 1.3 **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: **YES** √ **NO** ____ VOLUME: 0.5 gallon

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

Remarks:

Other Actions: Mixed new batch of Redux solution; 1 Redux: 2 Water.

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 27-Nov-20 **Measurements taken by:** R. Allen

RW-1	11.40 ft	Comments:		PW-5	16.90 ft	Comments:	
PZ-1A	11.20 ft	Comments:		PZ-5A	10.57 ft	Comments:	
PZ-1B	10.86 ft	Comments:		PZ-5B	10.62 ft	Comments:	
PZ-1C	12.12 ft	Comments:		PZ-5C	10.20 ft	Comments:	
PZ-1D	12.25 ft	Comments:		PZ-5D	11.03 ft	Comments:	
PW-2	10.80 ft	Comments:		PW-6	15.40 ft	Comments:	
PZ-2A	10.74 ft	Comments:		PZ-6A	11.54 ft	Comments:	
PZ-2B	11.09 ft	Comments:		PZ-6B	11.41 ft	Comments:	
PZ-2C	10.60 ft	Comments:		PZ-6C	11.69 ft	Comments:	
MW-7	11.08 ft	Comments:	Substitute for 2D	PZ-6D	11.44 ft	Comments:	Shown as RW-2 on map
PW-3	11.30 ft	Comments:		PW-7	21.10 ft	Comments:	
PZ-3A	11.25 ft	Comments:		MPI-6S	ft	Comments:	
PZ-3B	11.34 ft	Comments:		PZ-7B	11.23 ft	Comments:	
PZ-3C	11.81 ft	Comments:		OW-B	11.13 ft	Comments:	
PZ-3D	11.29 ft	Comments:		PZ-7D	10.88 ft	Comments:	
PW-4	20.00 ft	Comments:		PW-8	19.90 ft	Comments:	
PZ-4A	11.52 ft	Comments:		PZ-8A	8.07 ft	Comments:	
PZ-4B	11.64 ft	Comments:		PZ-8B	8.03 ft	Comments:	
PZ-4C	------ ft	Comments:	sealed over	PZ-8C	7.72 ft	Comments:	
PZ-4D	10.30 ft	Comments:		PZ-8D	8.01 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

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