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

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March 23, 2021

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
February 2021 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the February 2021 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 February 2021 reporting period, the treatment system was in operation from February 2, 2021 through March 1, 2021. The February monthly OM&M sampling was performed on February 4, 2021, and the results were received from Eurofins on February 16, 2021 (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 February 2021, 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 February 2, 2021 through March 1, 2021, had an approximate operational up-time of 100%, and 85,728 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 February 4, 2021 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 February 4, 2021 samples revealed the total volatile organic contaminant concentrations of the influent to be 4,747.0 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 February 2021 sampling are presented in Table 3. Figure 1 shows the influent and effluent VOC concentrations during each sampling event in 2018, 2019, 2020, and 2021.

- 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 February 2, 2021 through March 1, 2021. The cleanup effectiveness for February 2021 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, 2020, and 2021 is shown in Figure 2.

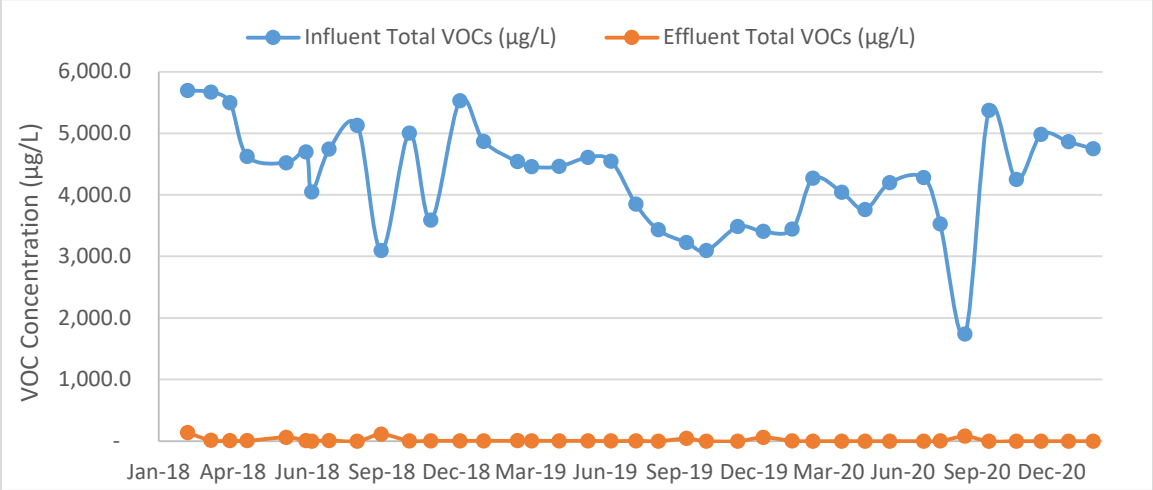

Figure 1: Monthly Influent and Effluent VOC concentrations - 2018 - 2021.

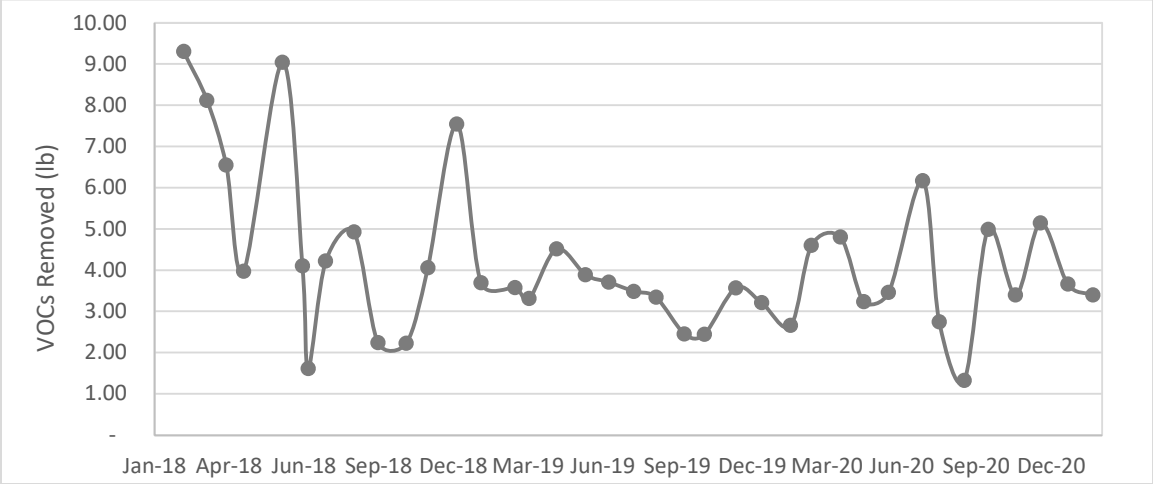

Figure 2: Mass of VOCs removed each month - 2018 - 2021.

If you have questions regarding the February 2021 OM&M report summary, please do not hesitate to contact me via e-mail at 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 01/04/21)		**156,098**	**91.77%**	**135,593,529**	**NA**	**NA**	**1,837.21**
January 05, 2021 to February 01, 2021	January 5, 2021	672	100.00%	90,369	4,860.0	0.00	3.66
February 02, 2021 to March 01, 2021	February 4, 2021	672	100.00%	85,728	4,747.0	0.00	3.40
Total in 2020		**1,344**	**100.00%**	**176,097**	**NA**	**NA**	**7.06**
Total from startup		**157,442**	**91.84%**	**135,769,626**	**NA**	**NA**	**1,844.27**

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 6/17/2020 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	February 4, 2021 Effluent Analytical Values Compliance
Flow (Average)[2]	N/A	gpd	3,062
pH	6.0 - 9.0	standard units	7.9
1,1 Dichloroethene	10	µg/L	ND(<4.0)
cis-1,2-dichloroethene	10	µg/L	ND(<4.0)
Trichloroethene	10	µg/L	ND(<4.0)
Tetrachloroethene	10	µg/L	ND(<4.0)
Vinyl Chloride	10	µg/L	ND(<4.0)
Benzene	5	µg/L	ND(<4.0)
Ethylbenzene	5	µg/L	ND(<4.0)
Methylene Chloride	10	µg/L	ND (<4.0)
1,1,1 Trichloroethane	10	µg/L	ND (<4.0)
Toluene	5	µg/L	ND(<4.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND(<4.0)
o-Xylene[3]	5	µg/L	ND(<8.0)
m, p-Xylene[3]	10	µg/L	ND(<8.0)
Total Xylenes	NA	ug/L	ND(<8.0)
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	524
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:

   February 2, 2021 through March 1, 2021 = 3,062 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
February 2021 VOC Analytical Summary

Compound	Based on the February 4, 2021 Effluent Analytical Results				
	Influent Concentration (ug/L)		Effluent Concentration (ug/L)		Treatment Efficiency* (%)
Acetone	ND(<400)	U	ND(<40)	U	NA
Benzene	ND(<40)	U, F2	ND(<4.0)	U	NA
2-Butanone	ND(<400)	U	ND(<40)	U	NA
1,1-Dichloroethene	ND (<40)	U, F2	ND(<4.0)	U	NA
cis-1, 2-Dichloroethene	1,700	F1	ND(<4.0)	U	100.00%
Chloroform	ND(<40)	U	ND(<4.0)	U	NA
Chloromethane	ND(<40)	U	ND(<4.0)	U	NA
Methylene chloride	ND(<40)	U	ND (<4.0)	U	NA
Methyl tert-butyl ether (MTBE)	9.1	J	ND(<4.0)	U	100.00%
Methyl acetate	ND(<100)	U	ND(<10)	U	NA
Tetrachloroethene (PCE)	2,400	F1	ND(<4.0)	U	100.00%
Toluene	ND(<40)	U, F2	ND(<4.0)	U	NA
Trichloroethene (TCE)	560	F1	ND(<4.0)	U	100.00%
Carbon Disulfide	ND(<40)	U, F2	ND(<4.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND(<40)	U	ND(<4.0)	U	NA
2-Hexanone	ND(<200)	U	ND(<20)	U	NA
4-Methyl-2-pentanone	ND(<200)	U	ND(<20)	U	NA
Cyclohexane	ND(<40)	U	ND(<4.0)	U	NA
trans-1,2-dichloroethene	ND(<40)	U	ND(<4.0)	U	NA
Chlorobenzene	ND(<40)	U	ND(<4.0)	U	NA
Methylcyclohexane	ND(<40)	U	ND(<4.0)	U	NA
Ethylbenzene	ND(<40)	U, F2	ND(<4.0)	U	NA
Vinyl Chloride	78	F2	ND(<4.0)	U	100.00%
Total Xylenes	ND(<80)	U, F2	ND(<8.0)	U	NA
TOTAL:	**4,747**		**0.0**		**100.00%**

Notes:

1. The efficiency cleanup values are calculated based on the January 5, 2021 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. "F2" = MS/MSD relative percent difference 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 and Influent Pumping Well Report
from
Eurofins TestAmerica

Analytical Data Package Work Order ID: J180891
Sampled by IEG: February 4, 2021
Report Received: February 16, 2021

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-180891-1
Client Project/Site: OM&M Treatment System

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

Attn: Ashlee Smith

Authorized for release by:
2/16/2021 8:21:17 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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
B	Compound was found in the blank and sample.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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.

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: 480-180891-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-180891-1

Comments
No additional comments.

Receipt
The samples were received on 2/4/2021 3:15 PM. Unless otherwise noted below, 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 samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-180891-1), (480-180891-C-1 MS) and (480-180891-C-1 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: EFFLUENT (480-180891-2) and DISCHARGE (480-180891-3). Elevated reporting limits (RLs) are provided.

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 (480-180891-1) and EFFLUENT (480-180891-2).

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: OM&M Treatment System

Job ID: 480-180891-1

Client Sample ID: INFLUENT — Lab Sample ID: 480-180891-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1700	F1	40	32	ug/L	40		8260C	Total/NA
Methyl tert-butyl ether	9.1	J	40	6.4	ug/L	40		8260C	Total/NA
Tetrachloroethene	2400	F1	40	14	ug/L	40		8260C	Total/NA
Trichloroethene	560	F1	40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	78	F2	40	36	ug/L	40		8260C	Total/NA
Hardness as calcium carbonate	545	B	2.0	0.53	mg/L	1		SM 2340C	Total/NA
pH	7.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.0	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-180891-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	524		4.0	1.1	mg/L	1		SM 2340C	Total/NA
pH	7.9	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.2	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: DISCHARGE — Lab Sample ID: 480-180891-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ecology and Environment, Inc.
Project/Site: OM&M Treatment System

Job ID: 480-180891-1

Client Sample ID: INFLUENT
Date Collected: 02/04/21 00:00
Date Received: 02/04/21 15:15

Lab Sample ID: 480-180891-1
Matrix: WW

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 F2	40	33	ug/L			02/05/21 15:03	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			02/05/21 15:03	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			02/05/21 15:03	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			02/05/21 15:03	40
1,1-Dichloroethane	40	U	40	15	ug/L			02/05/21 15:03	40
1,1-Dichloroethene	40	U F2	40	12	ug/L			02/05/21 15:03	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			02/05/21 15:03	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			02/05/21 15:03	40
1,2-Dibromoethane	40	U F2	40	29	ug/L			02/05/21 15:03	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			02/05/21 15:03	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			02/05/21 15:03	40
1,2-Dichloropropane	40	U	40	29	ug/L			02/05/21 15:03	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			02/05/21 15:03	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			02/05/21 15:03	40
2-Butanone (MEK)	400	U	400	53	ug/L			02/05/21 15:03	40
2-Hexanone	200	U	200	50	ug/L			02/05/21 15:03	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			02/05/21 15:03	40
Acetone	400	U	400	120	ug/L			02/05/21 15:03	40
Benzene	40	U F2	40	16	ug/L			02/05/21 15:03	40
Bromodichloromethane	40	U F2	40	16	ug/L			02/05/21 15:03	40
Bromoform	40	U F2	40	10	ug/L			02/05/21 15:03	40
Bromomethane	40	U F2	40	28	ug/L			02/05/21 15:03	40
Carbon disulfide	40	U F2	40	7.6	ug/L			02/05/21 15:03	40
Carbon tetrachloride	40	U F2	40	11	ug/L			02/05/21 15:03	40
Chlorobenzene	40	U	40	30	ug/L			02/05/21 15:03	40
Chloroethane	40	U	40	13	ug/L			02/05/21 15:03	40
Chloroform	40	U	40	14	ug/L			02/05/21 15:03	40
Chloromethane	40	U	40	14	ug/L			02/05/21 15:03	40
cis-1,2-Dichloroethene	**1700**	**F1**	40	32	ug/L			02/05/21 15:03	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			02/05/21 15:03	40
Cyclohexane	40	U	40	7.2	ug/L			02/05/21 15:03	40
Dibromochloromethane	40	U F2	40	13	ug/L			02/05/21 15:03	40
Dichlorodifluoromethane	40	U	40	27	ug/L			02/05/21 15:03	40
Ethylbenzene	40	U F2	40	30	ug/L			02/05/21 15:03	40
Isopropylbenzene	40	U	40	32	ug/L			02/05/21 15:03	40
Methyl acetate	100	U	100	52	ug/L			02/05/21 15:03	40
Methyl tert-butyl ether	**9.1**	**J**	40	6.4	ug/L			02/05/21 15:03	40
Methylcyclohexane	40	U	40	6.4	ug/L			02/05/21 15:03	40
Methylene Chloride	40	U F2	40	18	ug/L			02/05/21 15:03	40
Styrene	40	U	40	29	ug/L			02/05/21 15:03	40
Tetrachloroethene	**2400**	**F1**	40	14	ug/L			02/05/21 15:03	40
Toluene	40	U F2	40	20	ug/L			02/05/21 15:03	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			02/05/21 15:03	40
trans-1,3-Dichloropropene	40	U F2	40	15	ug/L			02/05/21 15:03	40
Trichloroethene	**560**	**F1**	40	18	ug/L			02/05/21 15:03	40
Trichlorofluoromethane	40	U	40	35	ug/L			02/05/21 15:03	40
Vinyl chloride	**78**	**F2**	40	36	ug/L			02/05/21 15:03	40
Xylenes, Total	80	U F2	80	26	ug/L			02/05/21 15:03	40

Client Sample ID: INFLUENT

Lab Sample ID: 480-180891-1

Date Collected: 02/04/21 00:00

Matrix: WW

Date Received: 02/04/21 15:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/05/21 15:03*	*40*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*02/05/21 15:03*	*40*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/05/21 15:03*	*40*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/05/21 15:03*	*40*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**545**	**B**	2.0	0.53	mg/L			02/11/21 12:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.1**	**HF**	0.1	0.1	SU			02/09/21 19:45	1
Temperature	**20.0**	**HF**	0.001	0.001	Degrees C			02/09/21 19:45	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-180891-2

Date Collected: 02/04/21 00:00

Matrix: WW

Date Received: 02/04/21 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	3.3	ug/L			02/05/21 15:27	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ug/L			02/05/21 15:27	4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.2	ug/L			02/05/21 15:27	4
1,1,2-Trichloroethane	4.0	U	4.0	0.92	ug/L			02/05/21 15:27	4
1,1-Dichloroethane	4.0	U	4.0	1.5	ug/L			02/05/21 15:27	4
1,1-Dichloroethene	4.0	U	4.0	1.2	ug/L			02/05/21 15:27	4
1,2,4-Trichlorobenzene	4.0	U	4.0	1.6	ug/L			02/05/21 15:27	4
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	1.6	ug/L			02/05/21 15:27	4
1,2-Dibromoethane	4.0	U	4.0	2.9	ug/L			02/05/21 15:27	4
1,2-Dichlorobenzene	4.0	U	4.0	3.2	ug/L			02/05/21 15:27	4
1,2-Dichloroethane	4.0	U	4.0	0.84	ug/L			02/05/21 15:27	4
1,2-Dichloropropane	4.0	U	4.0	2.9	ug/L			02/05/21 15:27	4
1,3-Dichlorobenzene	4.0	U	4.0	3.1	ug/L			02/05/21 15:27	4
1,4-Dichlorobenzene	4.0	U	4.0	3.4	ug/L			02/05/21 15:27	4
2-Butanone (MEK)	40	U	40	5.3	ug/L			02/05/21 15:27	4
2-Hexanone	20	U	20	5.0	ug/L			02/05/21 15:27	4
4-Methyl-2-pentanone (MIBK)	20	U	20	8.4	ug/L			02/05/21 15:27	4
Acetone	40	U	40	12	ug/L			02/05/21 15:27	4
Benzene	4.0	U	4.0	1.6	ug/L			02/05/21 15:27	4
Bromodichloromethane	4.0	U	4.0	1.6	ug/L			02/05/21 15:27	4
Bromoform	4.0	U	4.0	1.0	ug/L			02/05/21 15:27	4
Bromomethane	4.0	U	4.0	2.8	ug/L			02/05/21 15:27	4
Carbon disulfide	4.0	U	4.0	0.76	ug/L			02/05/21 15:27	4
Carbon tetrachloride	4.0	U	4.0	1.1	ug/L			02/05/21 15:27	4
Chlorobenzene	4.0	U	4.0	3.0	ug/L			02/05/21 15:27	4
Chloroethane	4.0	U	4.0	1.3	ug/L			02/05/21 15:27	4
Chloroform	4.0	U	4.0	1.4	ug/L			02/05/21 15:27	4
Chloromethane	4.0	U	4.0	1.4	ug/L			02/05/21 15:27	4
cis-1,2-Dichloroethene	4.0	U	4.0	3.2	ug/L			02/05/21 15:27	4
cis-1,3-Dichloropropene	4.0	U	4.0	1.4	ug/L			02/05/21 15:27	4
Cyclohexane	4.0	U	4.0	0.72	ug/L			02/05/21 15:27	4
Dibromochloromethane	4.0	U	4.0	1.3	ug/L			02/05/21 15:27	4

Client Sample ID: EFFLUENT

Lab Sample ID: 480-180891-2

Date Collected: 02/04/21 00:00

Matrix: WW

Date Received: 02/04/21 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	4.0	U	4.0	2.7	ug/L			02/05/21 15:27	4
Ethylbenzene	4.0	U	4.0	3.0	ug/L			02/05/21 15:27	4
Isopropylbenzene	4.0	U	4.0	3.2	ug/L			02/05/21 15:27	4
Methyl acetate	10	U	10	5.2	ug/L			02/05/21 15:27	4
Methyl tert-butyl ether	4.0	U	4.0	0.64	ug/L			02/05/21 15:27	4
Methylcyclohexane	4.0	U	4.0	0.64	ug/L			02/05/21 15:27	4
Methylene Chloride	4.0	U	4.0	1.8	ug/L			02/05/21 15:27	4
Styrene	4.0	U	4.0	2.9	ug/L			02/05/21 15:27	4
Tetrachloroethene	4.0	U	4.0	1.4	ug/L			02/05/21 15:27	4
Toluene	4.0	U	4.0	2.0	ug/L			02/05/21 15:27	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/L			02/05/21 15:27	4
trans-1,3-Dichloropropene	4.0	U	4.0	1.5	ug/L			02/05/21 15:27	4
Trichloroethene	4.0	U	4.0	1.8	ug/L			02/05/21 15:27	4
Trichlorofluoromethane	4.0	U	4.0	3.5	ug/L			02/05/21 15:27	4
Vinyl chloride	4.0	U	4.0	3.6	ug/L			02/05/21 15:27	4
Xylenes, Total	8.0	U	8.0	2.6	ug/L			02/05/21 15:27	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*02/05/21 15:27*	*4*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/05/21 15:27*	*4*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*02/05/21 15:27*	*4*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/05/21 15:27*	*4*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**524**		4.0	1.1	mg/L			02/15/21 13:12	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.9**	**HF**	0.1	0.1	SU			02/09/21 19:47	1
Temperature	**20.2**	**HF**	0.001	0.001	Degrees C			02/09/21 19:47	1

Client Sample ID: DISCHARGE

Lab Sample ID: 480-180891-3

Date Collected: 02/04/21 00:00

Matrix: WW

Date Received: 02/04/21 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	3.3	ug/L			02/05/21 15:50	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ug/L			02/05/21 15:50	4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.2	ug/L			02/05/21 15:50	4
1,1,2-Trichloroethane	4.0	U	4.0	0.92	ug/L			02/05/21 15:50	4
1,1-Dichloroethane	4.0	U	4.0	1.5	ug/L			02/05/21 15:50	4
1,1-Dichloroethene	4.0	U	4.0	1.2	ug/L			02/05/21 15:50	4
1,2,4-Trichlorobenzene	4.0	U	4.0	1.6	ug/L			02/05/21 15:50	4
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	1.6	ug/L			02/05/21 15:50	4
1,2-Dibromoethane	4.0	U	4.0	2.9	ug/L			02/05/21 15:50	4
1,2-Dichlorobenzene	4.0	U	4.0	3.2	ug/L			02/05/21 15:50	4
1,2-Dichloroethane	4.0	U	4.0	0.84	ug/L			02/05/21 15:50	4
1,2-Dichloropropane	4.0	U	4.0	2.9	ug/L			02/05/21 15:50	4
1,3-Dichlorobenzene	4.0	U	4.0	3.1	ug/L			02/05/21 15:50	4
1,4-Dichlorobenzene	4.0	U	4.0	3.4	ug/L			02/05/21 15:50	4

Client Sample ID: DISCHARGE
Date Collected: 02/04/21 00:00
Date Received: 02/04/21 15:15

Lab Sample ID: 480-180891-3
Matrix: WW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	40	U	40	5.3	ug/L			02/05/21 15:50	4
2-Hexanone	20	U	20	5.0	ug/L			02/05/21 15:50	4
4-Methyl-2-pentanone (MIBK)	20	U	20	8.4	ug/L			02/05/21 15:50	4
Acetone	40	U	40	12	ug/L			02/05/21 15:50	4
Benzene	4.0	U	4.0	1.6	ug/L			02/05/21 15:50	4
Bromodichloromethane	4.0	U	4.0	1.6	ug/L			02/05/21 15:50	4
Bromoform	4.0	U	4.0	1.0	ug/L			02/05/21 15:50	4
Bromomethane	4.0	U	4.0	2.8	ug/L			02/05/21 15:50	4
Carbon disulfide	4.0	U	4.0	0.76	ug/L			02/05/21 15:50	4
Carbon tetrachloride	4.0	U	4.0	1.1	ug/L			02/05/21 15:50	4
Chlorobenzene	4.0	U	4.0	3.0	ug/L			02/05/21 15:50	4
Chloroethane	4.0	U	4.0	1.3	ug/L			02/05/21 15:50	4
Chloroform	4.0	U	4.0	1.4	ug/L			02/05/21 15:50	4
Chloromethane	4.0	U	4.0	1.4	ug/L			02/05/21 15:50	4
cis-1,2-Dichloroethene	4.0	U	4.0	3.2	ug/L			02/05/21 15:50	4
cis-1,3-Dichloropropene	4.0	U	4.0	1.4	ug/L			02/05/21 15:50	4
Cyclohexane	4.0	U	4.0	0.72	ug/L			02/05/21 15:50	4
Dibromochloromethane	4.0	U	4.0	1.3	ug/L			02/05/21 15:50	4
Dichlorodifluoromethane	4.0	U	4.0	2.7	ug/L			02/05/21 15:50	4
Ethylbenzene	4.0	U	4.0	3.0	ug/L			02/05/21 15:50	4
Isopropylbenzene	4.0	U	4.0	3.2	ug/L			02/05/21 15:50	4
Methyl acetate	10	U	10	5.2	ug/L			02/05/21 15:50	4
Methyl tert-butyl ether	4.0	U	4.0	0.64	ug/L			02/05/21 15:50	4
Methylcyclohexane	4.0	U	4.0	0.64	ug/L			02/05/21 15:50	4
Methylene Chloride	4.0	U	4.0	1.8	ug/L			02/05/21 15:50	4
Styrene	4.0	U	4.0	2.9	ug/L			02/05/21 15:50	4
Tetrachloroethene	4.0	U	4.0	1.4	ug/L			02/05/21 15:50	4
Toluene	4.0	U	4.0	2.0	ug/L			02/05/21 15:50	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/L			02/05/21 15:50	4
trans-1,3-Dichloropropene	4.0	U	4.0	1.5	ug/L			02/05/21 15:50	4
Trichloroethene	4.0	U	4.0	1.8	ug/L			02/05/21 15:50	4
Trichlorofluoromethane	4.0	U	4.0	3.5	ug/L			02/05/21 15:50	4
Vinyl chloride	4.0	U	4.0	3.6	ug/L			02/05/21 15:50	4
Xylenes, Total	8.0	U	8.0	2.6	ug/L			02/05/21 15:50	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*02/05/21 15:50*	*4*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*02/05/21 15:50*	*4*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*02/05/21 15:50*	*4*
Toluene-d8 (Surr)	*94*		*80 - 120*		*02/05/21 15:50*	*4*

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Ecology & Environment, Inc	Project Manager: Ashlee Smith	Date: Feb 4, 2021	Chain of Custody Number: 282455
Address: 368 Pleasantview Dr	Telephone Number (Area Code)/Fax Number: (716) 684-8060 ext 2710	Lab Number:	Page 1 of 1
City: Lancaster / State: NY / Zip Code: 14086	Site Contact: R. Allen	Lab Contact: John Shove	
Project Name and Location (State): MRCS OM&M (NY)	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: pH	Hardness	VOCs	Special Instructions/ Conditions of Receipt
INFLUENT	2/4/21			✓			1						✓			
INFLUENT				✓					1					✓		Email: iyerenv@gmail.com
INFLUENT				✓						3					✓	
EFFLUENT				✓			1						✓			
EFFLUENT				✓					1					✓		RKnappert@ene.com
EFFLUENT				✓						3					✓	
DISCHARGE				✓						3					✓	

480-180891 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive for _____ months (longer than 1 month) if samples are retained

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: Richard C Allen JR	Date: 2/4/2021	Time:	1. Received By:	Date:	Time:
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date: 2/4/21	Time: 1515

Comments

33 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Attachment B
IEG Summary of Field Activities

February 2021

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - Feb 2021

DATE	ACTIVITY
1-Feb-21	OM&M Weekly Inspection. Office work. Shovelled snow in front of Treatment Room.
2-Feb-21	End of Month Summaries. Time and Expense Reports.
4-Feb-21	Shovelled snow in front of Treatment Room. Treatment Room Sampling. Mixed new batch of Redux Solution. Poured decanted filter change water into sump box.
8-Feb-21	OM&M Weekly Inspection. Got Supplies.
10-Feb-21	Shovelled snow in front of Treatment Room. Checked System. Replaced Redux line valve. Cleaned up leaked Redux solution under old valve.
12-Feb-21	Checked System. Cleaned, set up and turned ON electric heater near Jesco pump.
15-Feb-21	Dropped off sampling supplies. OM&M Weekly Inspection. Shovelled snow in front of Treatment Room.
18-Feb-21	Checked System. Shovelled snow in front of Treatment Room. Office work.
19-Feb-21	Shovelled snow in front of Treatment Room. Changed bag filters.
23-Feb-21	OM&M Weekly Inspection. Shovelled snow in front of Treatment Room.
25-Feb-21	Mixed new batch of Redux solution. Emptied remainder of old Redux drum into present drum and rinsed old drum. Made frame to instal catch pan below Jesco pump shelf.

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

DATE: 1-Feb-21 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Snow flurries, cold *OUTSIDE TEMPERATURE (°F):* 21

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:	8	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON:	OFF: √	6	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	7	ft
PW-4	ON:	OFF: √	7	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: 19 gpm INFLUENT TOTALIZER READING: 20819895 gallons

SEQUESTERING AGENT DRUM LEVEL: 4 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 7 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:* 0.95 (26.3) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 3.0 in. H_2O

AIR FLOW : 1350 fpm X 1.4 = 1890 CFM *AIR SPARGER* *LEFT* 6.7 *RIGHT* 2.8 CFM

AIR TEMP: 85.6 °F

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

EFFLUENT FLOW RATE: 86 gpm *EFFLUENT TOTALIZER READING:* 87,221,879 broken gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: *INSIDE TEMPERATURE (°F):* 61

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

1-Feb-21

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. PZ-2C is missing top cover.

Most MWs and UEs are covered with snow or ice.

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

OTHER LOCATIONS

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

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

Remarks: 586 Building SVE System is OFF due to freezing temperatures.

Other Actions: Shoveled snow in front of the Treatment Room.

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

Poured decanted filter change water into sump drain.

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

DATE: 15-Feb-21 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Cloudy, cold *OUTSIDE TEMPERATURE (°F):* 28

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:	13	ft	PW-5	ON: √	OFF:	7	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON:	OFF: √	4	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	7	ft
PW-4	ON:	OFF: √	5	ft	PW-8	ON:	OFF: √	7	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: 20884935 gallons

SEQUESTERING AGENT DRUM LEVEL: 12 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 21 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:* 0.95 (26.3) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.6 in. H_2O

AIR FLOW : 1325 fpm X 1.4 = 1855 CFM *AIR SPARGER* *LEFT* 6.6 *RIGHT* 2.7 CFM

AIR TEMP: 84.2 °F

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

EFFLUENT FLOW RATE: 85 gpm *EFFLUENT TOTALIZER READING:* 87,266,712 broken 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: 2.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

15-Feb-21

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. PZ-2C is missing top cover.

Most MWs and UEs are covered with snow or ice.

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: 586 Building SVE System is OFF due to freezing temperatures.

Other Actions: Shoveled snow in front of the Treatment Room.

Changed Bag Filters.

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

DATE: 1-Mar-21 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

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

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

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

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 20946264 gallons

SEQUESTERING AGENT DRUM LEVEL: 30 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 51 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:* 0.95 (26.3) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.8 in. H_2O

AIR FLOW : 1350 fpm X 1.4 = 1890 CFM *AIR SPARGER* *LEFT* 6.7 *RIGHT* 2.8 CFM

AIR TEMP: 85.2 °F

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

EFFLUENT FLOW RATE: 84 gpm *EFFLUENT TOTALIZER READING:* 87,307,607 broken gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: *INSIDE TEMPERATURE (°F):* 64

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

1-Mar-21

SAMPLES COLLECTED? **YES:** √ **NO:** ____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	11:30 am	6.3	7.1	11.9	1840
AIR STRIPPER EFFLUENT:	EFF	11:30 am	7.5	8.8	11.9	1800

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. PZ-2C is missing top cover.

Many MWs and UEs are covered with snow or ice.

SUBSLAB SYSTEMS

TREATMENT ROOM

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

CONDENSATE DRAINED **------** **gallon** **No**

	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: **NO**____ VOLUME: **------** gallon

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

Remarks: 586 Building SVE System is OFF due to freezing temperatures.

Other Actions: