



ecology and environment engineering and geology, p.c.

Environmental Specialists

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August 10, 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
June 2021 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the June 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 June 2021 reporting period, the treatment system was in operation from June 2, 2021 through June 28, 2021. The monthly OM&M sampling was performed on June 3, 2021, and the results were received from Eurofins on June 8, 2021 (See [Attachment A](#)). The effluent results for this effluent sample met the requirements of the SPDES Equivalency permit. 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 June 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 June 2, 2021 through June 28, 2021, had an approximate operational up-time of 100%, and 53,615 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 June 3, 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 June 3, 2021 samples revealed the total volatile organic contaminant concentrations of the influent to 5,780.0 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 June 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 and the June 3, 2021 sampling results, removed 2.59 lbs. of targeted contaminants from the

Mr. Payson Long, Project Manager

August 10, 2021

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groundwater between June 2, 2021 and June 28, 2021. The cleanup effectiveness for June 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.

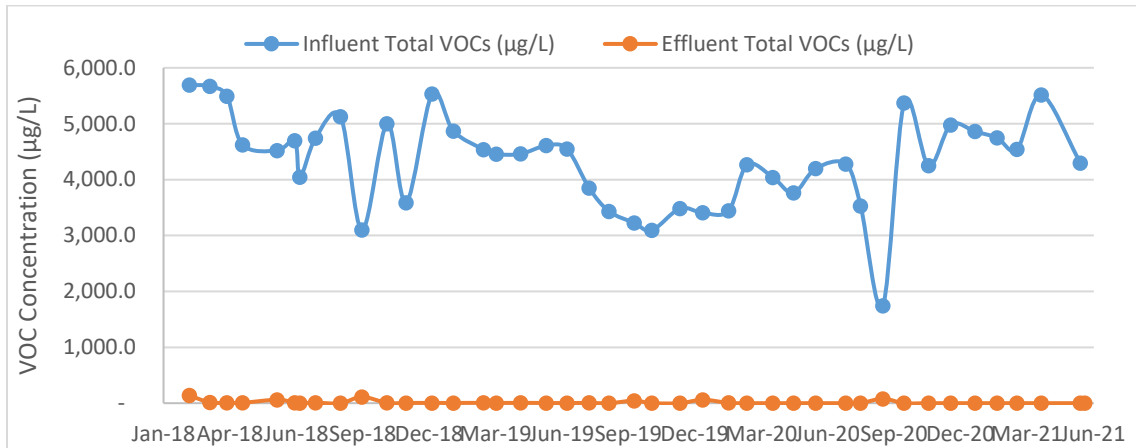


Figure 1: Monthly Influent and Effluent VOC concentrations - 2018 - 2021.

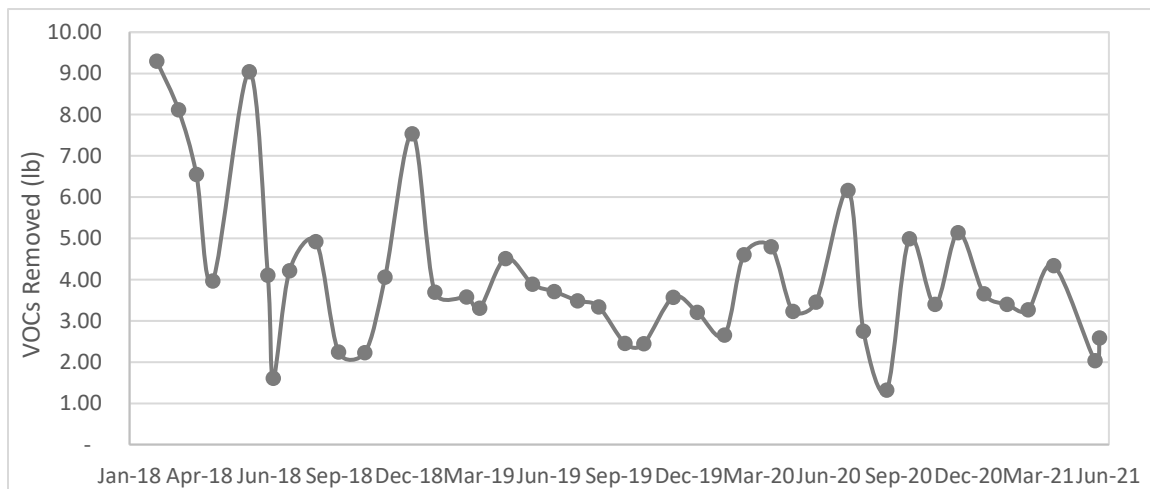


Figure 2: Mass of VOCs removed each month - 2018 - 2021.

If you have questions regarding the June 2021 OM&M report summary, please do not hesitate to contact me via e-mail at rebecca.knappert@wsp.com.

Very Truly Yours,

Ecology and Environment Engineering and Geology, P. C.

Rebecca Knappert
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
March 02, 2021 to March 29, 2021	March 3, 2021	672	100.00%	86,158	4,542.0	0.00	3.27
March 30, 2021 to May 03, 2021	April 5, 2021	840	100.00%	94,313	5,514.0	0.00	4.34
May 04, 2021 to June 01, 2021	May 4, 2021	432	62.07%	56,953	4,296.0	0.00	2.04
June 02, 2021 to June 30, 2021	June 3, 2021	648	100.00%	53,615	5,780.0	0.00	2.59
<i>Total in 2021</i>		3,936	93.79%	467,136	NA	NA	19.29
<i>Total from startup</i>		160,034	91.82%	136,060,665	NA	NA	1,856.50

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	June 3, 2021 Effluent Analytical Values ¹¹
Flow (Average) ²	N/A	gpd	1,849
pH	6.0 - 9.0	standard units	8
1,1 Dichloroethene	10	µg/L	ND(<2.0)
cis-1,2-dichloroethene (cis-1,2-DCE)	10	µg/L	ND(<2.0)
Trichloroethene (TCE)	10	µg/L	ND(<2.0)
Tetrachloroethene (PCE)	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	595
Cyanide, Free ⁴	10	µg/L	NA ⁴

NOTES:

- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
- Average flows based on effluent readings:
June 2, 2021 through June 28, 2021 = 1,849 gallons per day
- Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
- Removed from the required analysis list by NYSDEC Region 9 in February 2005.
- Dark shaded cells indicate that analytical value exceeds the "Daily Maximum."
- "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
- "NA" indicates that analyses were not performed and data is unavailable.
- "J" indicates an estimated value below the detection limit.
- "B" indicates analyte found in the associated blank.
- "NS" indicates that the parameter analysis was not sampled.

40
NR

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

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #915157
June 2021 VOC Analytical Summary

Compound	Based on the June 3, 2021 Effluent Analytical Results				
	Influent Concentration		Effluent Concentration		Treatment Efficiency*
	(ug/L)		(ug/L)		(%)
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	1,400		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)	ND(<40)	U	ND(<2.0)	U	100.00%
Methyl acetate	ND(<100)	U	ND(<20)	U	NA
Tetrachloroethene (PCE)	4,000		ND(<2.0)	U	100.00%
Toluene	ND(<40)	U	ND(<2.0)	U	NA
Trichloroethene (TCE)	380		ND(<2.0)	U	100.00%
Carbon Disulfide	ND(<40)	U	ND(<2.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	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	ND(<40)	U	ND(<2.0)	U	100.00%
Total Xylenes	ND(<80)	U	ND(<4.0)	U	NA
TOTAL:	5,780		0.0		100.00%

Notes:

1. The efficiency cleanup values are calculated based on the June 3, 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 Equivalency 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: J185563
Sampled by IEG: June 3, 2021
Report Received: June 8, 2021

ANALYTICAL REPORT

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

Laboratory Job ID: 480-185563-1
Client Project/Site: Mr. C's Dry Cleaner
Sampling Event: OM&M Treatment System

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

Attn: Ashlee Smith



Authorized for release by:
6/8/2021 4:50:49 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

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

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

Job ID: 480-185563-1

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
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.

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

Case Narrative

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

Job ID: 480-185563-1

Job ID: 480-185563-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-185563-1

Comments

No additional comments.

Receipt

The samples were received on 6/3/2021 2:30 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 3.4° 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: DISCHARGE (480-185563-1) and EFFLUENT (480-185563-2). 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 (480-185563-3). 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 sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe.

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: 480-185563-1

Client Sample ID: DISCHARGE

Lab Sample ID: 480-185563-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.7	J	2.0	0.72	ug/L	2		8260C	Total/NA

Client Sample ID: EFFLUENT

Lab Sample ID: 480-185563-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	595	B	5.0	1.3	mg/L	2.5		SM 2340C	Total/NA
pH	8.0	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.4	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: INFLUENT

Lab Sample ID: 480-185563-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1200		40	32	ug/L	40		8260C	Total/NA
Tetrachloroethene	2000		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	380		40	18	ug/L	40		8260C	Total/NA
Hardness as calcium carbonate	560	B	5.0	1.3	mg/L	2.5		SM 2340C	Total/NA
pH	7.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	21.9	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185563-1

Client Sample ID: DISCHARGE

Lab Sample ID: 480-185563-1

Date Collected: 06/03/21 00:00

Matrix: WW

Date Received: 06/03/21 14:30

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			06/04/21 18:20	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			06/04/21 18:20	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			06/04/21 18:20	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			06/04/21 18:20	2
1,1-Dichloroethane	2.0	U	2.0	0.76	ug/L			06/04/21 18:20	2
1,1-Dichloroethene	2.0	U	2.0	0.58	ug/L			06/04/21 18:20	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			06/04/21 18:20	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			06/04/21 18:20	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			06/04/21 18:20	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			06/04/21 18:20	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			06/04/21 18:20	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			06/04/21 18:20	2
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			06/04/21 18:20	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			06/04/21 18:20	2
2-Butanone (MEK)	20	U	20	2.6	ug/L			06/04/21 18:20	2
2-Hexanone	10	U	10	2.5	ug/L			06/04/21 18:20	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			06/04/21 18:20	2
Acetone	20	U	20	6.0	ug/L			06/04/21 18:20	2
Benzene	2.0	U	2.0	0.82	ug/L			06/04/21 18:20	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			06/04/21 18:20	2
Bromoform	2.0	U	2.0	0.52	ug/L			06/04/21 18:20	2
Bromomethane	2.0	U	2.0	1.4	ug/L			06/04/21 18:20	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			06/04/21 18:20	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			06/04/21 18:20	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			06/04/21 18:20	2
Chloroethane	2.0	U	2.0	0.64	ug/L			06/04/21 18:20	2
Chloroform	2.0	U	2.0	0.68	ug/L			06/04/21 18:20	2
Chloromethane	2.0	U	2.0	0.70	ug/L			06/04/21 18:20	2
cis-1,2-Dichloroethene	2.0	U	2.0	1.6	ug/L			06/04/21 18:20	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			06/04/21 18:20	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			06/04/21 18:20	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			06/04/21 18:20	2
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			06/04/21 18:20	2
Ethylbenzene	2.0	U	2.0	1.5	ug/L			06/04/21 18:20	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			06/04/21 18:20	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			06/04/21 18:20	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			06/04/21 18:20	2
Methylcyclohexane	2.0	U	2.0	0.32	ug/L			06/04/21 18:20	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			06/04/21 18:20	2
Styrene	2.0	U	2.0	1.5	ug/L			06/04/21 18:20	2
Tetrachloroethene	1.7	J	2.0	0.72	ug/L			06/04/21 18:20	2
Toluene	2.0	U	2.0	1.0	ug/L			06/04/21 18:20	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			06/04/21 18:20	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			06/04/21 18:20	2
Trichloroethene	2.0	U	2.0	0.92	ug/L			06/04/21 18:20	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			06/04/21 18:20	2
Vinyl chloride	2.0	U	2.0	1.8	ug/L			06/04/21 18:20	2
Xylenes, Total	4.0	U	4.0	1.3	ug/L			06/04/21 18:20	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185563-1

Client Sample ID: DISCHARGE

Lab Sample ID: 480-185563-1

Date Collected: 06/03/21 00:00

Matrix: WW

Date Received: 06/03/21 14:30

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		06/04/21 18:20	2
4-Bromofluorobenzene (Surr)	100		73 - 120		06/04/21 18:20	2
Dibromofluoromethane (Surr)	104		75 - 123		06/04/21 18:20	2
Toluene-d8 (Surr)	101		80 - 120		06/04/21 18:20	2

Client Sample Results

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

Job ID: 480-185563-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-185563-2

Date Collected: 06/03/21 00:00

Matrix: WW

Date Received: 06/03/21 14:30

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			06/04/21 18:43	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			06/04/21 18:43	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			06/04/21 18:43	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			06/04/21 18:43	2
1,1-Dichloroethane	2.0	U	2.0	0.76	ug/L			06/04/21 18:43	2
1,1-Dichloroethene	2.0	U	2.0	0.58	ug/L			06/04/21 18:43	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			06/04/21 18:43	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			06/04/21 18:43	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			06/04/21 18:43	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			06/04/21 18:43	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			06/04/21 18:43	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			06/04/21 18:43	2
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			06/04/21 18:43	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			06/04/21 18:43	2
2-Butanone (MEK)	20	U	20	2.6	ug/L			06/04/21 18:43	2
2-Hexanone	10	U	10	2.5	ug/L			06/04/21 18:43	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			06/04/21 18:43	2
Acetone	20	U	20	6.0	ug/L			06/04/21 18:43	2
Benzene	2.0	U	2.0	0.82	ug/L			06/04/21 18:43	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			06/04/21 18:43	2
Bromoform	2.0	U	2.0	0.52	ug/L			06/04/21 18:43	2
Bromomethane	2.0	U	2.0	1.4	ug/L			06/04/21 18:43	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			06/04/21 18:43	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			06/04/21 18:43	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			06/04/21 18:43	2
Chloroethane	2.0	U	2.0	0.64	ug/L			06/04/21 18:43	2
Chloroform	2.0	U	2.0	0.68	ug/L			06/04/21 18:43	2
Chloromethane	2.0	U	2.0	0.70	ug/L			06/04/21 18:43	2
cis-1,2-Dichloroethene	2.0	U	2.0	1.6	ug/L			06/04/21 18:43	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			06/04/21 18:43	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			06/04/21 18:43	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			06/04/21 18:43	2
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			06/04/21 18:43	2
Ethylbenzene	2.0	U	2.0	1.5	ug/L			06/04/21 18:43	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			06/04/21 18:43	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			06/04/21 18:43	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			06/04/21 18:43	2
Methylcyclohexane	2.0	U	2.0	0.32	ug/L			06/04/21 18:43	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			06/04/21 18:43	2
Styrene	2.0	U	2.0	1.5	ug/L			06/04/21 18:43	2
Tetrachloroethene	2.0	U	2.0	0.72	ug/L			06/04/21 18:43	2
Toluene	2.0	U	2.0	1.0	ug/L			06/04/21 18:43	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			06/04/21 18:43	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			06/04/21 18:43	2
Trichloroethene	2.0	U	2.0	0.92	ug/L			06/04/21 18:43	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			06/04/21 18:43	2
Vinyl chloride	2.0	U	2.0	1.8	ug/L			06/04/21 18:43	2
Xylenes, Total	4.0	U	4.0	1.3	ug/L			06/04/21 18:43	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185563-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-185563-2

Date Collected: 06/03/21 00:00

Matrix: WW

Date Received: 06/03/21 14:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		06/04/21 18:43	2
4-Bromofluorobenzene (Surr)	96		73 - 120		06/04/21 18:43	2
Dibromofluoromethane (Surr)	102		75 - 123		06/04/21 18:43	2
Toluene-d8 (Surr)	120		80 - 120		06/04/21 18:43	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	595	B	5.0	1.3	mg/L			06/04/21 23:01	2.5
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0	HF	0.1	0.1	SU			06/08/21 10:08	1
Temperature	21.4	HF	0.001	0.001	Degrees C			06/08/21 10:08	1

Client Sample Results

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

Job ID: 480-185563-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-185563-3

Date Collected: 06/03/21 00:00

Matrix: WW

Date Received: 06/03/21 14:30

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			06/04/21 19:05	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			06/04/21 19:05	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			06/04/21 19:05	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			06/04/21 19:05	40
1,1-Dichloroethane	40	U	40	15	ug/L			06/04/21 19:05	40
1,1-Dichloroethene	40	U	40	12	ug/L			06/04/21 19:05	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			06/04/21 19:05	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			06/04/21 19:05	40
1,2-Dibromoethane	40	U	40	29	ug/L			06/04/21 19:05	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			06/04/21 19:05	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			06/04/21 19:05	40
1,2-Dichloropropane	40	U	40	29	ug/L			06/04/21 19:05	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			06/04/21 19:05	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			06/04/21 19:05	40
2-Butanone (MEK)	400	U	400	53	ug/L			06/04/21 19:05	40
2-Hexanone	200	U	200	50	ug/L			06/04/21 19:05	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			06/04/21 19:05	40
Acetone	400	U	400	120	ug/L			06/04/21 19:05	40
Benzene	40	U	40	16	ug/L			06/04/21 19:05	40
Bromodichloromethane	40	U	40	16	ug/L			06/04/21 19:05	40
Bromoform	40	U	40	10	ug/L			06/04/21 19:05	40
Bromomethane	40	U	40	28	ug/L			06/04/21 19:05	40
Carbon disulfide	40	U	40	7.6	ug/L			06/04/21 19:05	40
Carbon tetrachloride	40	U	40	11	ug/L			06/04/21 19:05	40
Chlorobenzene	40	U	40	30	ug/L			06/04/21 19:05	40
Chloroethane	40	U	40	13	ug/L			06/04/21 19:05	40
Chloroform	40	U	40	14	ug/L			06/04/21 19:05	40
Chloromethane	40	U	40	14	ug/L			06/04/21 19:05	40
cis-1,2-Dichloroethene	1200		40	32	ug/L			06/04/21 19:05	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			06/04/21 19:05	40
Cyclohexane	40	U	40	7.2	ug/L			06/04/21 19:05	40
Dibromochloromethane	40	U	40	13	ug/L			06/04/21 19:05	40
Dichlorodifluoromethane	40	U	40	27	ug/L			06/04/21 19:05	40
Ethylbenzene	40	U	40	30	ug/L			06/04/21 19:05	40
Isopropylbenzene	40	U	40	32	ug/L			06/04/21 19:05	40
Methyl acetate	100	U	100	52	ug/L			06/04/21 19:05	40
Methyl tert-butyl ether	40	U	40	6.4	ug/L			06/04/21 19:05	40
Methylcyclohexane	40	U	40	6.4	ug/L			06/04/21 19:05	40
Methylene Chloride	40	U	40	18	ug/L			06/04/21 19:05	40
Styrene	40	U	40	29	ug/L			06/04/21 19:05	40
Tetrachloroethene	2000		40	14	ug/L			06/04/21 19:05	40
Toluene	40	U	40	20	ug/L			06/04/21 19:05	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			06/04/21 19:05	40
trans-1,3-Dichloropropene	40	U	40	15	ug/L			06/04/21 19:05	40
Trichloroethene	380		40	18	ug/L			06/04/21 19:05	40
Trichlorofluoromethane	40	U	40	35	ug/L			06/04/21 19:05	40
Vinyl chloride	40	U	40	36	ug/L			06/04/21 19:05	40
Xylenes, Total	80	U	80	26	ug/L			06/04/21 19:05	40

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185563-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-185563-3

Date Collected: 06/03/21 00:00

Matrix: WW

Date Received: 06/03/21 14:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		06/04/21 19:05	40
4-Bromofluorobenzene (Surr)	92		73 - 120		06/04/21 19:05	40
Dibromofluoromethane (Surr)	104		75 - 123		06/04/21 19:05	40
Toluene-d8 (Surr)	97		80 - 120		06/04/21 19:05	40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	560	B	5.0	1.3	mg/L			06/04/21 23:16	2.5
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.1	HF	0.1	0.1	SU			06/08/21 10:10	1
Temperature	21.9	HF	0.001	0.001	Degrees C			06/08/21 10:10	1



eurofins

Spectrum Analytical

CHAIN OF CUSTODY RECORD

Special Handling:

- ☒ 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.

Page 1 of 1

Report To: Ecology & 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: _____
Location: _____
Sampler(s): _____

Mr Cs OM&M
East Aurora State NY
R. Allen

F=Field Filtered 1=Na₂SO₄ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₂PO₄ 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

N1= _____ N2= _____ N3= _____

Lab ID:	Sample ID:	Date:	Time:	Type	C=Composite			
					G=Grab			
	INFLUENT	Jun 3, 2021		G GW				
	INFLUENT			G GW				
	INFLUENT			G GW 3				
	EFFLUENT			G GW				
	EFFLUENT			G GW				
	DISCHARGE			G GW 3				

Containers

of VOA Vials

of Amber Glass

of Clear Glass

of Plastic

Analysis

List Preservative Code below:

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* ☒ NO Full* ☒ Tier II* ☒ Tier IV*

Other _____

State-specific reporting standards

Check if chlorinated ☐



480-185563 Chain of Custody

Relinquished by:

Received by:

Temp °C

EDD format:

PDF

Dilward C. Allen Jr

Cavalliere

Date: 6/3/21

Observed

E-mail to:

iyerenv@gmail.com

RKnappert@ene.com

Connection Failure

Condition upon receipt:

☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

☐ Present ☐ Intact ☐ Broken

Attachment B
IEG Summary of Field Activities

June 2021

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - June 2021

DATE	ACTIVITY
1-Jun-21	Weekly Inspection. Swept spruce needles up in Library Parking Lot. Time and Expense Reports. End of Month Summaries.
3-Jun-21	Treatment Room Sampling. Office work.
7-Jun-21	Weekly Inspection. Office work.
8-Jun-21	Dropped off Sample Kits. Removed vent cover and insulation over man door. Cleaned vent screen.
14-Jun-21	Weekly Inspection.
15-Jun-21	Changed Bag Filters.
17-Jun-21	Mixed new batch of Redux solution. Piezometer Readings.
21-Jun-21	Weekly Inspection. Removed needed equipment from Treatment Room. Got supplies.
23-Jun-21	Load well inspection equipment from IEG Shed. Dropped off equipment in Treatment Room. Checked system. Responded to Alarms.
25-Jun-21	Got supplies; Mobilized for well pump cleaning: PW-4, PW-5, PW-6 and PW-7; Inspected and cleaned transducer, well pump and flex pipe. Replaced Effluent Totalizer Meter (old meter read 87,585,383 on 6/21/21)
26-Jun-21	Demobilized well cleaning equipment.
28-Jun-21	Weekly Inspection. Inspected SVE System pipe at 574 Building.
30-Jun-21	Well Sampling; PW-4, PW-5, PW-6, PW-7 and PW-8. Office work.

Mr. C's CLEANERS OM&M

STATUS OF FIELD ACTIVITIES BY IEG - 6/2021

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Redux Line Valve Leaking	The valve on the Redux line is leaking. Replace with stainless steel valve.	Feb-21
PZ-2C is missing the Top Cover	PZ-2C was missing top cover after a snowplow cleared the parking lot. Filled inner ring with gravel / soil to reduce pedestrian tripping hazard. Replaced Top Cover and removed gravel from inside the inner ring.	Mar-21
Wells in Groups PW-2 and PW-3 are covered with material	Some of the wells in Groups PW-2 and PW-3 have been covered with gravel and soil from the snowplowing of the gravel parking lot. Find and uncover wells.	Apr-21
Drums of Sludge and Used Filters	Had(1) drum of used bag filters and (4) drums of sludge/water from well purges and EQ Tank cleanout. Consolidated (4) drums of sludge into (2) drums. Added (3) bags of cement to the sludge during consolidation process. Disposed drums.	May-21
PW-5 is Pumping Very Slowly	PW-7 in ON most of the time. Suspect sludge buildup in horizontal line. Replace pump with more powerful pump.	May-21
Effluent Meter	Clean Effluent Meter inside. Effluent Meter stopped working and was replaced. (old meter read 87,585,383 on 6/21/21)	Jun-21
Cool Treatment Room	Treatment Room temperature can go above 90 degrees in summer. To increase outside air inflow into room, cut new locking position on frame so door can be closed with a 2" opening at bottom. Monitor and adjust if warranted.	Monitor
Filter Housings are corroded	Flanges that seal filter baskets inside Rosedale Filter Housings are corroded. Sediment flows around filters instead of being trapped. Replace seals in existing housings and patch as needed (short term). Replace housings (long term).	Monitor
Repair Leaking Ball Valve	Influent ball valve east of EQ Tank drips. Inspect/clean & replace if necessary.	Monitor
Reduce Influent Pump Rate	Lab Tests have shown high levels of VOCs. Try lengthening the time that the Influent Pump runs to increase the Air Sparging time inside the Air Stripper	Monitor
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, and is vulnerable to damage. Bring pavement up to level with asphalt patch. Inspect and repair when warranted.	Monitor
SVE Fan pipe collects water	The SVE Fan pipe on Building 586 collects water. There is a plug just below the fan to drain water out of the horizontal section of the pipe. Inspect system and make corrections to prevent the pipe from filling with water.	Currently draining pipe weekly
Fan Shroud is broken	Shroud over fan unit of Outdoor Store is broken - it is located down alley between two buildings and is approximately 12' high.	in progress
Check SVE Fans	Check on status of subslab fan units	in progress
MPI-5S is Damaged	MPI-5S was damaged by snowplow. Notified Intrepid Auto and their maintenance personnel fill inner ring with gravel as a temporary fix. Replace inner ring.	in progress
MW-8 is Damaged	MW-8 was damaged by a snowplow. Let IA, Inc. know and have their maintenance personnel fill inner ring with gravel as a temporary fix. Replace inner ring.	in progress
ABB Meter stopped working	The backup Effluent Meter stopped working. Take unit apart to see if it is serviceable. Assess need to replace unit if not serviceable.	in progress
MW-14 Inner Ring pulled up	MW-14 was pushed up and out of the ground by the snowplow. Covered the riser and hole with stones. Close well with concrete.	in progress
SVE System Top Section Fell Off	The SVE System on the NE corner of Building 574 was damaged possibly by high winds. The top most section of the exhaust pipe fell to the ground. Hire a contractor to reinstall the top section.	in progress
Influent Pipe joint is Leaking	The Influent Pipe is leaking a glue like substance at a joint where the Redux Solution feed fitting is installed. The Redux appears to have liquified the PVC cement over a period of several years. Move fitting to non-joint pipe location.	in progress
Retrieve Bailer in PW-7	The sampling bailer repeatedly snagged on something while taking well samples. The line broke and the bailer fell to the bottom. Retrieve the bailer and design a weighted bailer system that resists snagging.	in progress

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2021

as of Jun 2021

ID	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PITLESS ADAPTER	INNER RING	CLEAN & INSPECT HORIZONTAL PIPE	CHECK VALVE	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	PUMP OUT WELL	PIEZOMETERS	REPLACE ANEROID BELLOWS	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	Jan 08, May 10, Jan 12, Oct 15, Oct 17	Feb 08, Jan 12	May 10, Nov 08					May 10, Jan 12, Oct 15, Oct 17			PZ-1B repaired Sep 16, Jun 19			
PW - 2	Jun 08, Aug 09, May 10, Apr 13, Sep 15, Oct 16, Oct 17	Jul 08, Apr 13 Dec 15				Sep-15		Nov 11, May 10, Apr 13 Dec 15, Oct 16, Oct 17	Sep 09, Dec 11	Aug-09			Nov-11	Sep-09
PW - 3	Jun 08, Aug 09, May 10, Sep 15, Oct 16, Oct 17	Jul 08, Dec 11, Oct 15		Repair adapter		Sep-15		Aug 09, Nov 11, Oct 15, Oct 16, Oct 17	Dec 11, Sep 15	Aug-09			Nov 11, Sep 15	
PW - 4	Dec 07, May 08, Sep 09, May 10, Jan 12, Oct 15, Oct 16, Oct 17, Oct 18, Sep 19, Aug 20, Jun21	Dec 07, Jan 12	Sep-13		Aug 13	Oct 16, Oct 18, Aug 20, Jun 21		May 10, Nov 11, Oct 15, Oct 16, Oct 17, Oct 18, Sep 19, Aug 20, Jun21	Dec 11, Mar 08, Sep 08	Jul 09, Sep 09	PZ-4B replaced Sep 16, PZ-4D replaced Apr 17	Oct 16	Sep 09, Nov 11, Oct 16	Sep-09
PW - 5	Jan 12, May 08, Oct 15, Nov 16, Oct 17, Oct 18, Sep 19, Aug 20, May21	Jul 08, Jan 12, May 21				Nov 16, Oct 18, Aug 20, May 21		Mar 11, Oct 15, Nov 16, Oct 17, Oct 18, Sep 19, Aug 20, May 21	Jan 12, Sep 08				Jan 12, Sep 19	
PW - 6	Jun 08, Jul 09, Jul 12, Nov 12, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19, Aug 20, Jun 21	Jun 08, Jul 09, Aug 12, Nov 12, Sep 15		Replaced Aug 15		Jul 12, Nov 12, Sep 15, Apr 17, Oct 18, Aug 20, Jun 21	Aug 15	Aug 09, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Dec 17, Oct 18, Sep 19, Aug 20, Jun 21	Sep 09, Sep 15, Jan 18	Aug-09	PZ-6A, PZ-6C repaired Sep 16	Aug 15	Aug 09, Sep 09, Sep 15	Jul 09, Sep 09
PW - 7	Jun 08, Jul 09, May 10, Oct 10, Aug 11, Mar 12, Jul 12, Nov 12, Aug 15, Nov 11, Oct 17, Oct 18, Sep 19, Aug 20, Jun 21	Nov 07, Jul 09, Oct 10, Nov 12		Replaced Aug 15		Jul 12, Nov 12, Nov 16, Oct 18, Aug 20, Jun 21	Aug 15	Oct 10, Aug 11, Mar 12, Jul 12, Dec 12, Aug 15, Nov 16, Oct 17, Oct 18, Sep 19, Aug 20, Jun 21		Aug 09, May 10, Aug 11	PZ-7D clean out product			
PW - 8	Jun 08, Aug 09, May 10, Aug 11, Jul 12, Dec 12, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19, Aug 20	Jul 08, Sep 09, Aug 11, Dec 12		Replaced Aug 15		Pipe Aug 09, Jul 12, Sep 15, Apr 17, Oct 18, Aug 20	Aug 15	May 10, Aug 11, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19, Aug 20, Jun 21		Aug 09, May 10, Aug 11		Aug 15	Apr 13, Aug 15	Apr-13

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP STATUS - 2021

as of Jun 2021

ID	NEEDS CLEANING & INSPECTION	NEED S NEW PUMP	NEEDS NEW INNER RING	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	PITLESS ADAPTER	NEEDS HORIZONTAL LINE PURGE	NEEDS CHECK VALVE INSPECTION	NEEDS TRANSDUCE R INSPECTION	NEEDS NEW TRANSDUCE R	PIEZOMETERS	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANE D	NEEDS U.E. REPAIR
RW-1	NO	NO	YES		NO		NO		NO	NO		NO	NO	YES - bolts
PW-2	NO	NO	NO		NO		NO		NO	NO	MW-14 needs to be closed	NO	NO	YES - bolts
PW-3	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO
PW-4	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO
PW-5	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO
PW-6	NO	NO	NO		NO		NO		NO	NO	PZ-6A and PZ-6C are damaged	NO	NO	DONE
PW-7	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO
PW-8	YES	NO	NO		NO		YES		NO	NO		NO	NO	NO

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

DATE: <u>1-Jun-21</u>		ACTIVITIES: <u>Site Inspection</u>											
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>-----</u>											
WEATHER CONDITIONS: <u>Partly cloudy, warm</u>		OUTSIDE TEMPERATURE (° F): <u>65</u>											
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <u>✓</u> If "NO", provide explanation below <u>RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are on AUTO</u>													
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL													
RW-1	ON: <u>✓</u>	OFF: <u>14</u> ft	PW-5 ON: _____ OFF: <u>✓</u> <u>5</u> ft										
PW-2	ON: _____	OFF: <u>✓</u> <u>10</u> ft	PW-6 ON: <u>✓</u> OFF: _____ <u>7</u> ft										
PW-3	ON: <u>✓</u>	OFF: _____ <u>11</u> ft	PW-7 ON: _____ OFF: <u>✓</u> <u>6</u> ft										
PW-4	ON: <u>✓</u>	OFF: _____ <u>6</u> ft	PW-8 ON: _____ OFF: <u>✓</u> <u>6</u> ft										
EQUALIZATION TANK: <u>3</u> ft		Last Alarm D/T/Condition: <u>4/8/2021 Air Stripper Low Pressure</u>											
NOTES: _____													
INFLUENT FLOW RATE: <u>0</u> gpm		INFLUENT TOTALIZER READING: <u>21291278</u> gallons											
SEQUESTERING AGENT DRUM LEVEL: <u>24</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>41</u> gallons											
SEQUESTERING AGENT FEED RATE: <u>-----</u> ml/min		METERING PUMP PRESSURE: <u>-----</u> psi											
BAG FILTER PRESSURES:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Top</td> <td style="width: 50%; text-align: center;">Bottom</td> </tr> <tr> <td>LEFT: <u>0</u></td> <td><u>0</u> psi</td> </tr> </table> </td> <td style="width: 50%; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Top</td> <td style="width: 50%; text-align: center;">Bottom</td> </tr> <tr> <td>RIGHT: <u>8</u></td> <td><u>0</u> psi</td> </tr> </table> </td> </tr> </table>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Top</td> <td style="width: 50%; text-align: center;">Bottom</td> </tr> <tr> <td>LEFT: <u>0</u></td> <td><u>0</u> psi</td> </tr> </table>	Top	Bottom	LEFT: <u>0</u>	<u>0</u> psi	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Top</td> <td style="width: 50%; text-align: center;">Bottom</td> </tr> <tr> <td>RIGHT: <u>8</u></td> <td><u>0</u> psi</td> </tr> </table>	Top	Bottom	RIGHT: <u>8</u>	<u>0</u> psi
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Top	Bottom												
LEFT: <u>0</u>	<u>0</u> psi												
Top	Bottom												
RIGHT: <u>8</u>	<u>0</u> psi												
INFLUENT FEED PUMP IN USE: #1 <u>✓</u> #2 _____		INFLUENT PUMP PRESSURE: <u>7</u> psi											
AIR STRIPPER BLOWER IN USE: #1 <u>✓</u> #2 _____		AIR STRIPPER PRESSURE: <u>0.9 (24.9)</u> in. H ₂ O											
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>broken</u> in. H ₂ O		DISCHARGE PRESSURE: <u>2.6</u> in. H ₂ O											
AIR FLOW: <u>1450</u> fpm X 1.4 = <u>2030</u> CFM		AIR SPARGER LEFT <u>6.7</u> RIGHT <u>2.8</u> CFM											
AIR TEMP: <u>98.2</u> °F													
EFFLUENT PUMP IN USE: #1 _____ #2 <u>✓</u>		EFFLUENT FEED PUMP PRESSURE: <u>4.5</u> psi											
EFFLUENT FLOW RATE: <u>83</u> gpm		EFFLUENT TOTALIZER READING: <u>87,545,031</u> broken gallons											
ARE BUILDING HEATERS IN USE? YES: _____ NO: <u>✓</u>		INSIDE TEMPERATURE (° F): <u>77</u>											
IS SUMP PUMP IN USE: YES: <u>✓</u> NO: _____		ARE ANY LEAKS PRESENT? YES: <u>✓</u> NO: _____											
WATER LEVEL IN SUMP: <u>7.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <u>✓</u> NO: _____											

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

1-Jun-21

SAMPLES COLLECTED? YES: ✓ NO: _____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	1:30 pm	6.2	6.7	20.7	1870
AIR STRIPPER EFFLUENT:	EFF	1:30 pm	7.4	7.8	20.5	1880

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. MW-14 was knocked out by snowplow.

SUBSLAB SYSTEMS

TREATMENT ROOM

		west	east	NOTES:
MANOMETER:	<u>1.4</u> in. WC			cfm = 0.05 x fpm (3" PVC)
(Fan Inlet)				
CONDENSATE	----- gallon	FLOW (fpm):		
		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: There is a slow leak of liquifying PVC cement in the Influent Pipe near the Redux line fitting.

Other Actions: Swept up spruce needles and cones in Library Parking Lot around Well Groups PW-6 and PW-7.

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

DATE: <u>14-Jun-21</u>		ACTIVITIES: <u>Site Inspection</u>					
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>-----</u>					
WEATHER CONDITIONS: <u>Cloudy, rain, warm</u>		OUTSIDE TEMPERATURE (° F): <u>61</u>					
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <u>✓</u> If "NO", provide explanation below <u>RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are on AUTO</u>							
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL							
RW-1	ON: <u>✓</u>	OFF: <u>13</u> ft	PW-5 ON: _____ OFF: <u>✓</u> <u>5</u> ft				
PW-2	ON: _____	OFF: <u>✓</u> <u>11</u> ft	PW-6 ON: <u>✓</u> OFF: _____ <u>3</u> ft				
PW-3	ON: <u>✓</u>	OFF: _____ <u>11</u> ft	PW-7 ON: _____ OFF: <u>✓</u> <u>3</u> ft				
PW-4	ON: _____	OFF: <u>✓</u> <u>5</u> ft	PW-8 ON: _____ OFF: <u>✓</u> <u>4</u> ft				
EQUALIZATION TANK: <u>3</u> ft		Last Alarm D/T/Condition: <u>4/8/2021 Air Stripper Low Pressure</u>					
NOTES: _____							
INFLUENT FLOW RATE: <u>6</u> gpm		INFLUENT TOTALIZER READING: <u>21350884</u> gallons					
SEQUESTERING AGENT DRUM LEVEL: <u>6</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>10</u> gallons					
SEQUESTERING AGENT FEED RATE: <u>-----</u> ml/min		METERING PUMP PRESSURE: <u>-----</u> psi					
BAG FILTER PRESSURES:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Top LEFT: <u>0</u></td> <td style="width: 50%; text-align: center;">Bottom <u>0</u> psi</td> </tr> <tr> <td style="width: 50%; text-align: center;">Top RIGHT: <u>8</u></td> <td style="width: 50%; text-align: center;">Bottom <u>0</u> psi</td> </tr> </table>		Top LEFT: <u>0</u>	Bottom <u>0</u> psi	Top RIGHT: <u>8</u>	Bottom <u>0</u> psi
Top LEFT: <u>0</u>	Bottom <u>0</u> psi						
Top RIGHT: <u>8</u>	Bottom <u>0</u> psi						
INFLUENT FEED PUMP IN USE: #1 <u>✓</u> #2 _____		INFLUENT PUMP PRESSURE: <u>7</u> psi					
AIR STRIPPER BLOWER IN USE: #1 <u>✓</u> #2 _____		AIR STRIPPER PRESSURE: <u>0.95 (26.3)</u> in. H ₂ O					
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>broken</u> in. H ₂ O		DISCHARGE PRESSURE: <u>2.5</u> in. H ₂ O					
AIR FLOW: <u>1550</u> fpm X 1.4 = <u>2170</u> CFM		AIR SPARGER LEFT <u>6.8</u> RIGHT <u>2.8</u> CFM					
AIR TEMP: <u>100.2</u> °F							
EFFLUENT PUMP IN USE: #1 _____ #2 <u>✓</u>		EFFLUENT FEED PUMP PRESSURE: <u>4.5</u> psi					
EFFLUENT FLOW RATE: <u>84</u> gpm		EFFLUENT TOTALIZER READING: <u>87,585,383</u> broken gallons					
ARE BUILDING HEATERS IN USE? YES: _____ NO: <u>✓</u>		INSIDE TEMPERATURE (° F): <u>80</u>					
IS SUMP PUMP IN USE: YES: <u>✓</u> NO: _____		ARE ANY LEAKS PRESENT? YES: <u>✓</u> NO: _____					
WATER LEVEL IN SUMP: <u>2.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <u>✓</u> NO: _____					

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

14-Jun-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. MW-14 was knocked out by snowplow.

SUBSLAB SYSTEMS

TREATMENT ROOM			
	west	east	
MANOMETER: <u>1.4</u> in. WC			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: There is a slow leak of liquifying PVC cement in the Influent Pipe near the Redux line fitting.

Other Actions: Changed Bag Filters.

Mixed a 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: <u>28-Jun-21</u>		ACTIVITIES: <u>Site Inspection</u>							
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>-----</u>							
WEATHER CONDITIONS: <u>Partly cloudy, warm</u>		OUTSIDE TEMPERATURE (° F): <u>80</u>							
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <u>✓</u> If "NO", provide explanation below <u>RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are on AUTO</u>									
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL									
RW-1	ON: <u>✓</u>	OFF: <u>13</u> ft	PW-5 ON: _____ OFF: <u>✓</u> <u>3</u> ft						
PW-2	ON: _____	OFF: <u>✓</u> <u>10</u> ft	PW-6 ON: _____ OFF: <u>✓</u> <u>7</u> ft						
PW-3	ON: <u>✓</u>	OFF: _____ <u>11</u> ft	PW-7 ON: _____ OFF: <u>✓</u> <u>5</u> ft						
PW-4	ON: _____	OFF: <u>✓</u> <u>4</u> ft	PW-8 ON: _____ OFF: <u>✓</u> <u>3</u> ft						
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>6/21/2021 Air Stripper Low Pressure</u>							
NOTES: _____									
INFLUENT FLOW RATE: <u>0</u> gpm		INFLUENT TOTALIZER READING: <u>21407189</u> gallons							
SEQUESTERING AGENT DRUM LEVEL: <u>20</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>34</u> gallons							
SEQUESTERING AGENT FEED RATE: <u>-----</u> ml/min		METERING PUMP PRESSURE: <u>-----</u> psi							
BAG FILTER PRESSURES:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">LEFT: <u>0</u> Top</td> <td style="width: 50%; text-align: center;"><u>0</u> Bottom</td> </tr> </table> </td> <td style="width: 50%; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">RIGHT: <u>7</u> Top</td> <td style="width: 50%; text-align: center;"><u>0</u> Bottom</td> </tr> </table> </td> </tr> </table>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">LEFT: <u>0</u> Top</td> <td style="width: 50%; text-align: center;"><u>0</u> Bottom</td> </tr> </table>	LEFT: <u>0</u> Top	<u>0</u> Bottom	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">RIGHT: <u>7</u> Top</td> <td style="width: 50%; text-align: center;"><u>0</u> Bottom</td> </tr> </table>	RIGHT: <u>7</u> Top	<u>0</u> Bottom
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LEFT: <u>0</u> Top	<u>0</u> Bottom								
RIGHT: <u>7</u> Top	<u>0</u> Bottom								
INFLUENT FEED PUMP IN USE: #1 <u>✓</u> #2 _____		INFLUENT PUMP PRESSURE: <u>7</u> psi							
AIR STRIPPER BLOWER IN USE: #1 <u>✓</u> #2 _____		AIR STRIPPER PRESSURE: <u>1.0 (27.7)</u> in. H ₂ O							
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>broken</u> in. H ₂ O		DISCHARGE PRESSURE: <u>2.1</u> in. H ₂ O							
AIR FLOW: <u>1500</u> fpm X 1.4 = <u>2100</u> CFM		AIR SPARGER LEFT <u>6.8</u> RIGHT <u>2.9</u> CFM							
AIR TEMP: <u>114.7</u> °F									
EFFLUENT PUMP IN USE: #1 _____ #2 <u>✓</u>		EFFLUENT FEED PUMP PRESSURE: <u>5</u> psi							
EFFLUENT FLOW RATE: <u>66</u> gpm		EFFLUENT TOTALIZER READING: <u>7,210</u> (replaced) gallons							
REPLACED WATER METER: PREVIOUS METER ENDED AT 87,585,383									
ARE BUILDING HEATERS IN USE? YES: _____ NO: <u>✓</u>		INSIDE TEMPERATURE (° F): <u>96</u>							
IS SUMP PUMP IN USE: YES: <u>✓</u> NO: _____		ARE ANY LEAKS PRESENT? YES: <u>✓</u> NO: _____							
WATER LEVEL IN SUMP: <u>2.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <u>✓</u> NO: _____							

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

28-Jun-21

SAMPLES COLLECTED? YES: <u>✓</u> NO: _____ Pump Well Sampling Jun 30							
	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. MW-14 was knocked out by snowplow.

SUBSLAB SYSTEMS

TREATMENT ROOM			
MANOMETER: <u>1.4</u> 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: There is a slow leak of liquifying PVC cement in the Influent Pipe near the Redux line fitting.

Other Actions: Sampled Well Pumps; PW-4, PW-5, PW-6, PW-7 and PW-8.

Lost bailer and stainless steel weight in PW-7. Was able to fill (2) out of the (3) sample vials for PW-7.

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

Date: 17-Jun-21

Measurements taken by: R. Allen

RW-1	<u>11.30</u> ft	Comments: <u></u>
PZ-1A	<u>11.35</u> ft	Comments: <u></u>
PZ-1B	<u>11.14</u> ft	Comments: <u></u>
PZ-1C	<u>12.27</u> ft	Comments: <u></u>
PZ-1D	<u>12.44</u> ft	Comments: <u></u>
PW-2	<u>11.00</u> ft	Comments: <u></u>
PZ-2A	<u>10.90</u> ft	Comments: <u></u>
PZ-2B	<u>11.26</u> ft	Comments: <u></u>
PZ-2C	<u>10.75</u> ft	Comments: <u></u>
MW-7	<u>11.25</u> ft	Comments: <u>Substitute for 2D</u>
PW-3	<u>11.40</u> ft	Comments: <u></u>
PZ-3A	<u>11.39</u> ft	Comments: <u></u>
PZ-3B	<u>11.51</u> ft	Comments: <u></u>
PZ-3C	<u>-----</u> ft	Comments: <u></u>
PZ-3D	<u>11.47</u> ft	Comments: <u></u>
PW-4	<u>19.40</u> ft	Comments: <u></u>
PZ-4A	<u>11.66</u> ft	Comments: <u></u>
PZ-4B	<u>10.83</u> ft	Comments: <u></u>
PZ-4C	<u>-----</u> ft	Comments: <u>sealed over</u>
PZ-4D	<u>10.49</u> ft	Comments: <u></u>

PW-5	<u>17.70</u> ft	Comments: <u></u>
PZ-5A	<u>10.73</u> ft	Comments: <u></u>
PZ-5B	<u>10.84</u> ft	Comments: <u></u>
PZ-5C	<u>10.41</u> ft	Comments: <u></u>
PZ-5D	<u>11.19</u> ft	Comments: <u></u>
PW-6	<u>18.20</u> ft	Comments: <u></u>
PZ-6A	<u>11.68</u> ft	Comments: <u></u>
PZ-6B	<u>11.54</u> ft	Comments: <u></u>
PZ-6C	<u>11.74</u> ft	Comments: <u></u>
PZ-6D	<u>11.58</u> ft	Comments: <u>Shown as RW-2 on map</u>
PW-7	<u>16.90</u> ft	Comments: <u></u>
MPI-6S	<u>11.38</u> ft	Comments: <u></u>
PZ-7B	<u>11.38</u> ft	Comments: <u></u>
OW-B	<u>11.27</u> ft	Comments: <u></u>
PZ-7D	<u>11.02</u> ft	Comments: <u></u>
PW-8	<u>16.50</u> ft	Comments: <u></u>
PZ-8A	<u>8.23</u> ft	Comments: <u></u>
PZ-8B	<u>8.16</u> ft	Comments: <u></u>
PZ-8C	<u>7.82</u> ft	Comments: <u></u>
PZ-8D	<u>8.07</u> ft	Comments: <u></u>

PUMPS IN OPERATION DURING MEASUREMENTS

RW-1 pump on?	<u>Yes</u>	<u>√</u>	No
PW-2 pump on?	<u>Yes</u>	<u>√</u>	No
PW-3 pump on?	<u>Yes</u>	<u>√</u>	No
PW-4 pump on?	<u>Yes</u>	<u>√</u>	No

PW-5 pump on?	<u>Yes</u>	<u>√</u>	No
PW-6 pump on?	<u>Yes</u>	<u>√</u>	No
PW-7 pump on?	<u>Yes</u>	<u>√</u>	No
PW-8 pump on?	<u>Yes</u>	<u>√</u>	No