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Environmental Specialists

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August 27, 2020

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

Re: Mr. C's Dry Cleaners Site, Contract # D009807, Site # 915157
June and July 2020 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the June and July 2020 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 915157, located in the Village of East Aurora, New York.

During the June and July 2020 reporting period, the treatment system was in operation from June 4, 2020 to August 3, 2020. The June/July monthly OM&M sampling was performed on July 14, 2020, and the results were received from Eurofins on July 22, 2020 (See Attachment A). A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is provided in Attachment B. The current annual site utility cost information is provided in Attachment C.

E&E and IEG met with Groundwater & Environmental Services, Inc. on June 17, 2020 to transition site management work back to E&E.

In review of the on-site treatment system operations, monitoring and maintenance from IEG for June and July 2020, E&E offers the following comments and highlights:

Operational Summary:

- Based on inspection reports prepared by IEG, the remedial treatment system for the period of June 4, 2020 through August 3, 2020, had an approximate operational up-time of 90%, and 172,706 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 July 14, 2020 met all requirements of the SPDES Equivalency permit. The effluent results are provided in Table 2.
- The analytical summary results of the July 14, 2020 samples revealed the total volatile organic contaminant concentrations of the influent to be 4,280.0 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/July 2020

sampling are presented in Table 3. Figure 1 shows the influent and effluent VOC concentrations during each sampling event in 2018, 2019, and 2020.

- The Mr. C's treatment system, based on the total flows from the uptime operations, removed 6.17 lbs. of targeted contaminants from the groundwater between June 4, 2020 through August 3, 2020. The cleanup effectiveness for January 2020 was approximately 100%. The calculations and data for the month are presented in Table 3. The mass of VOCs removed each month throughout 2018, 2019 and 2020 is shown in Figure 2.

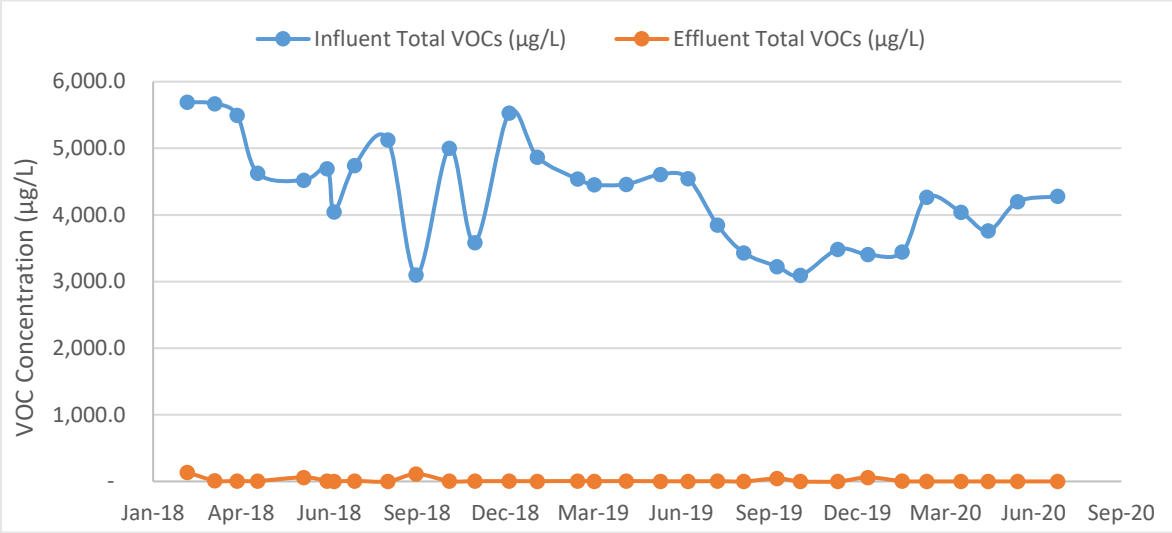

Figure 1: Monthly Influent and Effluent VOC concentrations - 2018 - 2020.

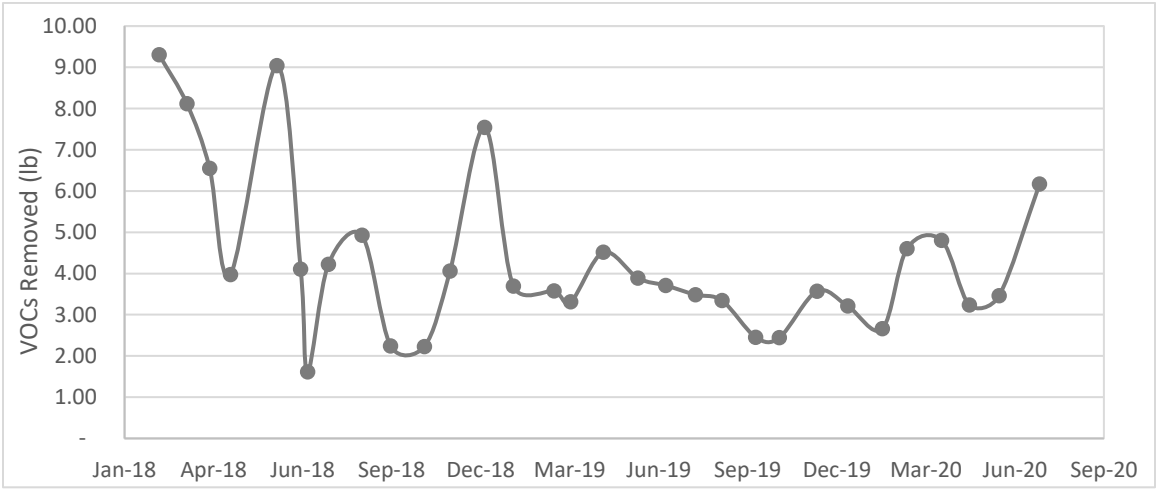

Figure 2: Mass of VOCs removed each month - 2018 - 2020.

If you have questions regarding the June and July 2020 OM&M report summary, please do not hesitate to contact me at 716-684-8060 or asmith@ene.com.

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

Ashlee Smith, P.E.
Project Manager

cc: M. Kuczka, Region 9, NYSDEC – Buffalo w/ attachments

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

Month	Sample Date	Up-time (Reporting Period)		Treated Effluent (gallons)	VOC Removal		
		Reporting Hours	Operational Up-time		Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
(Treatment System Up-time from 9/5/02 to 01/03/20)		**147,266**	**91.54%**	**134,339,311**	**NA**	**NA**	**1,794.68**
January 03, 2020 to February 07, 2020	February 6, 2020	672	77.78%	92,500	3,439.0	5.00	2.65
February 08, 2020 to March 02, 2020	March 2, 2020	576	100.00%	129,217	4,267.7	0.00	4.60
March 03, 2020 to April 06, 2020	April 6, 2020	840	100.00%	142,390	4,040	0.00	4.80
April 07, 2020 to May 04, 2020	May 4, 2020	672	100.00%	103,085	3,761	0.00	3.24
May 05, 2020 to June 03, 2020	June 3, 2020	720	100.00%	98,755	4,199	0.00	3.46
June 04, 2020 to August 03, 2020	July 14, 2020	1320	90.16%	172,706	4,280	0.00	6.17
Total in 2020		**4,800**	**93.46%**	**738,653**	**NA**	**NA**	**24.92**
Total from startup		**152,066**	**91.61%**	**135,077,964**	**NA**	**NA**	**1,819.60**

NOTES:

1. Up-time based as percentage of total reporting hours.
2. Treatment system operated by Iyer Environmental Group from 07/07/2016 to 2/24/2020 and 6/17/20 to present. GES operated the system from 2/24/20 to 6/17/20.
3. VOC removal calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
4. VOC removal calculations assume that non-detect values = 0 ug/L.
5. Total VOCs summations include estimated "J" values.
6. VOC removal calculations are based on effluent totalizer readings.
7. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
8. Unit conversion: 1 pound = 453.5924 grams, 1 gallon = 3.785 liters
9. Formula for the VOC removal calculation:

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

µg/L = micrograms per liter
lbs = pounds

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

Parameter/Analyte	Daily Maximum[1]	Units	July 14, 2020 Effluent Analytical Values Compliance
Flow (Average)[2]	N/A	gpd	
pH	6.0 - 9.0	standard units	8.2
1,1 Dichloroethene	10	µg/L	ND(<2.0)
cis-1,2-dichloroethene	10	µg/L	ND(<2.0)
Trichloroethene	10	µg/L	ND(<2.0)
Tetrachloroethene	10	µg/L	ND(<2.0)
Vinyl Chloride	10	µg/L	ND(<2.0)
Benzene	5	µg/L	ND(<2.0)
Ethylbenzene	5	µg/L	ND(<2.0)
Methylene Chloride	10	µg/L	ND(<2.0)
1,1,1 Trichloroethane	10	µg/L	ND(<2.0)
Toluene	5	µg/L	ND(<2.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND(<2.0)
o-Xylene[3]	5	µg/L	ND(<4.0)
m, p-Xylene[3]	10	µg/L	ND(<4.0)
Total Xylenes	NA	ug/L	ND(<4.0)
Iron, total[4]	600	µg/L	NA[4]
Aluminum[4]	4,000	µg/L	NA[4]
Copper[4]	48	µg/L	NA[4]
Lead[4]	11	µg/L	NA[4]
Manganese[4]	2,000	µg/L	NA[4]
Silver[4]	100	µg/L	NA[4]
Vanadium[4]	28	µg/L	NA[4]
Zinc[4]	230	µg/L	NA[4]
Total Dissolved Solids[4]	850	mg/L	NA[4]
Total Suspended Solids[4]	20	mg/L	NA[4]
Hardness	N/A	mg/L	504
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:

   June 04, 2020 through August 03, 2020= 2,831 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
June/July 2020 VOC Analytical Summary

Compound	Based on the July 14, 2020 Effluent Analytical Results				
	Influent Concentration (ug/L)		Effluent Concentration (ug/L)		Treatment Efficiency* (%)
Acetone	ND(<500)	U	ND(<20)	U	NA
Benzene	ND(<50)	U	ND(<2.0)	U	NA
2-Butanone	ND(<500)	U	ND(<20)	U	NA
1,1-Dichloroethene	ND (<50)	U	ND(<2.0)	U	NA
cis-1, 2-Dichloroethene	1,800		ND(<2.0)	U	100.00%
Chloroform	ND(<50)	U	ND(<2.0)	U	NA
Chloromethane	ND(<50)	U	ND(<2.0)	U	NA
Methylene chloride	ND(<50)	U	ND(<2.0)	U	NA
Methyl tert-butyl ether (MTBE)	ND(<50)	U	ND(<2.0)	U	100.00%
Methyl acetate	ND(<130)	U	ND(<5.0)	U	NA
Tetrachloroethene (PCE)	2,000		ND(<2.0)	U	100.00%
Toluene	ND(<50)	U	ND(<2.0)	U	NA
Trichloroethene (TCE)	330		ND(<2.0)	U	100.00%
Carbon Disulfide	ND(<50)	U	ND(<2.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND(<50)	U	ND(<2.0)	U	NA
2-Hexanone	ND(<250)	U	ND(<10)	U	NA
4-Methyl-2-pentanone	ND(<250)	U	ND(<10)	U	NA
Cyclohexane	ND(<50)	U	ND(<2.0)	U	NA
trans-1,2-dichloroethene	ND(<50)	U	ND(<2.0)	U	NA
Chlorobenzene	ND(<50)	U	ND(<2.0)	U	NA
Methylcyclohexane	ND(<50)	U	ND(<2.0)	U	NA
Ethylbenzene	ND(<50)	U	ND(<2.0)	U	NA
Vinyl Chloride	150		ND(<2.0)	U	100.00%
Total Xylenes	ND(<100)	U	ND(<4.0)	U	NA
TOTAL:	**4,280**		**0.0**		**100.00%**

Notes:

1. The efficiency cleanup values are calculated based on the July 14, 2020 results
2. "NA" = Not applicable
3. "U" = Compound analyzed, but was not detected. Detection limit in parentheses.
4. "DJ" or "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
5. "F1"=MS and/or MSD recovery exceeds control limits.
6. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
7. "S" indicates an estimated value and suspected lab contamination.
8. "Bold" - exceeds the SPDES Equilavency Permit Requirements.

* Contaminants of Concern only

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

Analytical Data Package Work Order ID: J172354
Sampled by IEG: July 14, 2020
Report Received: July 22, 2020

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-172354-1
Laboratory Sample Delivery Group: 480-172354-1
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:
7/22/2020 11:06:12 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
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

General Chemistry

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

Glossary

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

Job ID: 480-172354-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-172354-1

Comments
No additional comments.

Receipt
The samples were received on 7/14/2020 2:45 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 18.6º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-541047 recovered above the upper control limit for 2-Butanone (MEK). The sample(s) associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: TRIP BLANK (480-172354-4).

Method 8260C: Surrogate recovery for the following samples was outside the upper control limit: EFFLUENT (480-172354-2) and DISCHARGE (480-172354-3). This samples did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-172354-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatile samples were diluted due to foaming at the time of purging during the original sample analysis: EFFLUENT (480-172354-2) and DISCHARGE (480-172354-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-541087 recovered above the upper control limit for Methylene Chloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: INFLUENT (480-172354-1), EFFLUENT (480-172354-2) and DISCHARGE (480-172354-3).

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

General Chemistry
Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: INFLUENT (480-172354-1) and EFFLUENT (480-172354-2).

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: 480-172354-1
SDG: 480-172354-1

Client Sample ID: INFLUENT — Lab Sample ID: 480-172354-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1800		50	41	ug/L	50		8260C	Total/NA
Tetrachloroethene	2000		50	18	ug/L	50		8260C	Total/NA
Trichloroethene	330		50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	150		50	45	ug/L	50		8260C	Total/NA
Hardness as calcium carbonate	512		4.0	1.1	mg/L	1		SM 2340C	Total/NA
pH	7.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	14.9	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-172354-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	504		4.0	1.1	mg/L	1		SM 2340C	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	14.8	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: DISCHARGE — Lab Sample ID: 480-172354-3

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-172354-4

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-172354-1
SDG: 480-172354-1

Client Sample ID: INFLUENT
Date Collected: 07/14/20 00:00
Date Received: 07/14/20 14:45

Lab Sample ID: 480-172354-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	50	U	50	41	ug/L			07/20/20 17:51	50
1,1,2,2-Tetrachloroethane	50	U	50	11	ug/L			07/20/20 17:51	50
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	50	16	ug/L			07/20/20 17:51	50
1,1,2-Trichloroethane	50	U	50	12	ug/L			07/20/20 17:51	50
1,1-Dichloroethane	50	U	50	19	ug/L			07/20/20 17:51	50
1,1-Dichloroethene	50	U	50	15	ug/L			07/20/20 17:51	50
1,2,4-Trichlorobenzene	50	U	50	21	ug/L			07/20/20 17:51	50
1,2-Dibromo-3-Chloropropane	50	U	50	20	ug/L			07/20/20 17:51	50
1,2-Dibromoethane	50	U	50	37	ug/L			07/20/20 17:51	50
1,2-Dichlorobenzene	50	U	50	40	ug/L			07/20/20 17:51	50
1,2-Dichloroethane	50	U	50	11	ug/L			07/20/20 17:51	50
1,2-Dichloropropane	50	U	50	36	ug/L			07/20/20 17:51	50
1,3-Dichlorobenzene	50	U	50	39	ug/L			07/20/20 17:51	50
1,4-Dichlorobenzene	50	U	50	42	ug/L			07/20/20 17:51	50
2-Butanone (MEK)	500	U	500	66	ug/L			07/20/20 17:51	50
2-Hexanone	250	U	250	62	ug/L			07/20/20 17:51	50
4-Methyl-2-pentanone (MIBK)	250	U	250	110	ug/L			07/20/20 17:51	50
Acetone	500	U	500	150	ug/L			07/20/20 17:51	50
Benzene	50	U	50	21	ug/L			07/20/20 17:51	50
Bromodichloromethane	50	U	50	20	ug/L			07/20/20 17:51	50
Bromoform	50	U	50	13	ug/L			07/20/20 17:51	50
Bromomethane	50	U	50	35	ug/L			07/20/20 17:51	50
Carbon disulfide	50	U	50	9.5	ug/L			07/20/20 17:51	50
Carbon tetrachloride	50	U	50	14	ug/L			07/20/20 17:51	50
Chlorobenzene	50	U	50	38	ug/L			07/20/20 17:51	50
Chloroethane	50	U	50	16	ug/L			07/20/20 17:51	50
Chloroform	50	U	50	17	ug/L			07/20/20 17:51	50
Chloromethane	50	U	50	18	ug/L			07/20/20 17:51	50
cis-1,2-Dichloroethene	**1800**		50	41	ug/L			07/20/20 17:51	50
cis-1,3-Dichloropropene	50	U	50	18	ug/L			07/20/20 17:51	50
Cyclohexane	50	U	50	9.0	ug/L			07/20/20 17:51	50
Dibromochloromethane	50	U	50	16	ug/L			07/20/20 17:51	50
Dichlorodifluoromethane	50	U	50	34	ug/L			07/20/20 17:51	50
Ethylbenzene	50	U	50	37	ug/L			07/20/20 17:51	50
Isopropylbenzene	50	U	50	40	ug/L			07/20/20 17:51	50
Methyl acetate	130	U	130	65	ug/L			07/20/20 17:51	50
Methyl tert-butyl ether	50	U	50	8.0	ug/L			07/20/20 17:51	50
Methylcyclohexane	50	U	50	8.0	ug/L			07/20/20 17:51	50
Methylene Chloride	50	U	50	22	ug/L			07/20/20 17:51	50
Styrene	50	U	50	37	ug/L			07/20/20 17:51	50
Tetrachloroethene	**2000**		50	18	ug/L			07/20/20 17:51	50
Toluene	50	U	50	26	ug/L			07/20/20 17:51	50
trans-1,2-Dichloroethene	50	U	50	45	ug/L			07/20/20 17:51	50
trans-1,3-Dichloropropene	50	U	50	19	ug/L			07/20/20 17:51	50
Trichloroethene	**330**		50	23	ug/L			07/20/20 17:51	50
Trichlorofluoromethane	50	U	50	44	ug/L			07/20/20 17:51	50
Vinyl chloride	**150**		50	45	ug/L			07/20/20 17:51	50
Xylenes, Total	100	U	100	33	ug/L			07/20/20 17:51	50

Client Sample ID: INFLUENT

Lab Sample ID: 480-172354-1

Date Collected: 07/14/20 00:00

Matrix: Water

Date Received: 07/14/20 14:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*07/20/20 17:51*	*50*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*07/20/20 17:51*	*50*
Dibromofluoromethane (Surr)	*121*		*75 - 123*		*07/20/20 17:51*	*50*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/20/20 17:51*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**512**		4.0	1.1	mg/L			07/20/20 13:00	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.3**	**HF**	0.1	0.1	SU			07/18/20 10:19	1
Temperature	**14.9**	**HF**	0.001	0.001	Degrees C			07/18/20 10:19	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-172354-2

Date Collected: 07/14/20 00:00

Matrix: Water

Date Received: 07/14/20 14:45

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			07/20/20 18:16	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			07/20/20 18:16	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			07/20/20 18:16	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			07/20/20 18:16	2
1,1-Dichloroethane	2.0	U	2.0	0.76	ug/L			07/20/20 18:16	2
1,1-Dichloroethene	2.0	U	2.0	0.58	ug/L			07/20/20 18:16	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			07/20/20 18:16	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			07/20/20 18:16	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			07/20/20 18:16	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			07/20/20 18:16	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			07/20/20 18:16	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			07/20/20 18:16	2
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			07/20/20 18:16	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			07/20/20 18:16	2
2-Butanone (MEK)	20	U	20	2.6	ug/L			07/20/20 18:16	2
2-Hexanone	10	U	10	2.5	ug/L			07/20/20 18:16	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			07/20/20 18:16	2
Acetone	20	U	20	6.0	ug/L			07/20/20 18:16	2
Benzene	2.0	U	2.0	0.82	ug/L			07/20/20 18:16	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			07/20/20 18:16	2
Bromoform	2.0	U	2.0	0.52	ug/L			07/20/20 18:16	2
Bromomethane	2.0	U	2.0	1.4	ug/L			07/20/20 18:16	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			07/20/20 18:16	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			07/20/20 18:16	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			07/20/20 18:16	2
Chloroethane	2.0	U	2.0	0.64	ug/L			07/20/20 18:16	2
Chloroform	2.0	U	2.0	0.68	ug/L			07/20/20 18:16	2
Chloromethane	2.0	U	2.0	0.70	ug/L			07/20/20 18:16	2
cis-1,2-Dichloroethene	2.0	U	2.0	1.6	ug/L			07/20/20 18:16	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			07/20/20 18:16	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			07/20/20 18:16	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			07/20/20 18:16	2

Client Sample ID: EFFLUENT

Lab Sample ID: 480-172354-2

Date Collected: 07/14/20 00:00
Matrix: Water
Date Received: 07/14/20 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			07/20/20 18:16	2
Ethylbenzene	2.0	U	2.0	1.5	ug/L			07/20/20 18:16	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			07/20/20 18:16	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			07/20/20 18:16	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			07/20/20 18:16	2
Methylcyclohexane	2.0	U	2.0	0.32	ug/L			07/20/20 18:16	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			07/20/20 18:16	2
Styrene	2.0	U	2.0	1.5	ug/L			07/20/20 18:16	2
Tetrachloroethene	2.0	U	2.0	0.72	ug/L			07/20/20 18:16	2
Toluene	2.0	U	2.0	1.0	ug/L			07/20/20 18:16	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			07/20/20 18:16	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			07/20/20 18:16	2
Trichloroethene	2.0	U	2.0	0.92	ug/L			07/20/20 18:16	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			07/20/20 18:16	2
Vinyl chloride	2.0	U	2.0	1.8	ug/L			07/20/20 18:16	2
Xylenes, Total	4.0	U	4.0	1.3	ug/L			07/20/20 18:16	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*07/20/20 18:16*	*2*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*07/20/20 18:16*	*2*
Dibromofluoromethane (Surr)	*130*	*X*	*75 - 123*		*07/20/20 18:16*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/20/20 18:16*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**504**		4.0	1.1	mg/L			07/20/20 13:00	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.2**	**HF**	0.1	0.1	SU			07/18/20 10:25	1
Temperature	**14.8**	**HF**	0.001	0.001	Degrees C			07/18/20 10:25	1

Client Sample ID: DISCHARGE

Lab Sample ID: 480-172354-3

Date Collected: 07/14/20 00:00
Matrix: Water
Date Received: 07/14/20 14:45

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			07/20/20 18:40	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			07/20/20 18:40	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			07/20/20 18:40	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			07/20/20 18:40	2
1,1-Dichloroethane	2.0	U	2.0	0.76	ug/L			07/20/20 18:40	2
1,1-Dichloroethene	2.0	U	2.0	0.58	ug/L			07/20/20 18:40	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			07/20/20 18:40	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			07/20/20 18:40	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			07/20/20 18:40	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			07/20/20 18:40	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			07/20/20 18:40	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			07/20/20 18:40	2
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			07/20/20 18:40	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			07/20/20 18:40	2

Client Sample ID: DISCHARGE

Lab Sample ID: 480-172354-3

Date Collected: 07/14/20 00:00
Matrix: Water
Date Received: 07/14/20 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	20	U	20	2.6	ug/L			07/20/20 18:40	2
2-Hexanone	10	U	10	2.5	ug/L			07/20/20 18:40	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			07/20/20 18:40	2
Acetone	20	U	20	6.0	ug/L			07/20/20 18:40	2
Benzene	2.0	U	2.0	0.82	ug/L			07/20/20 18:40	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			07/20/20 18:40	2
Bromoform	2.0	U	2.0	0.52	ug/L			07/20/20 18:40	2
Bromomethane	2.0	U	2.0	1.4	ug/L			07/20/20 18:40	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			07/20/20 18:40	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			07/20/20 18:40	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			07/20/20 18:40	2
Chloroethane	2.0	U	2.0	0.64	ug/L			07/20/20 18:40	2
Chloroform	2.0	U	2.0	0.68	ug/L			07/20/20 18:40	2
Chloromethane	2.0	U	2.0	0.70	ug/L			07/20/20 18:40	2
cis-1,2-Dichloroethene	2.0	U	2.0	1.6	ug/L			07/20/20 18:40	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			07/20/20 18:40	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			07/20/20 18:40	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			07/20/20 18:40	2
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			07/20/20 18:40	2
Ethylbenzene	2.0	U	2.0	1.5	ug/L			07/20/20 18:40	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			07/20/20 18:40	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			07/20/20 18:40	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			07/20/20 18:40	2
Methylcyclohexane	2.0	U	2.0	0.32	ug/L			07/20/20 18:40	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			07/20/20 18:40	2
Styrene	2.0	U	2.0	1.5	ug/L			07/20/20 18:40	2
Tetrachloroethene	2.0	U	2.0	0.72	ug/L			07/20/20 18:40	2
Toluene	2.0	U	2.0	1.0	ug/L			07/20/20 18:40	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			07/20/20 18:40	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			07/20/20 18:40	2
Trichloroethene	2.0	U	2.0	0.92	ug/L			07/20/20 18:40	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			07/20/20 18:40	2
Vinyl chloride	2.0	U	2.0	1.8	ug/L			07/20/20 18:40	2
Xylenes, Total	4.0	U	4.0	1.3	ug/L			07/20/20 18:40	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*07/20/20 18:40*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*07/20/20 18:40*	*2*
Dibromofluoromethane (Surr)	*129*	*X*	*75 - 123*		*07/20/20 18:40*	*2*
Toluene-d8 (Surr)	*89*		*80 - 120*		*07/20/20 18:40*	*2*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-172354-4

Date Collected: 07/14/20 00:00
Matrix: Water
Date Received: 07/14/20 14:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/19/20 12:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/19/20 12:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/19/20 12:27	1

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

Job ID: 480-172354-1
SDG: 480-172354-1

Client Sample ID: TRIP BLANK
Date Collected: 07/14/20 00:00
Date Received: 07/14/20 14:45

Lab Sample ID: 480-172354-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/19/20 12:27	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/19/20 12:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/19/20 12:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/19/20 12:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/19/20 12:27	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/19/20 12:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/19/20 12:27	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/19/20 12:27	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/19/20 12:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/19/20 12:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/19/20 12:27	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/19/20 12:27	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/19/20 12:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/19/20 12:27	1
Acetone	10	U	10	3.0	ug/L			07/19/20 12:27	1
Benzene	1.0	U	1.0	0.41	ug/L			07/19/20 12:27	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/19/20 12:27	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/19/20 12:27	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/19/20 12:27	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/19/20 12:27	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/19/20 12:27	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/19/20 12:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/19/20 12:27	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/19/20 12:27	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/19/20 12:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/19/20 12:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/19/20 12:27	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/19/20 12:27	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/19/20 12:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/19/20 12:27	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/19/20 12:27	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/19/20 12:27	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/19/20 12:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/19/20 12:27	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/19/20 12:27	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/19/20 12:27	1
Styrene	1.0	U	1.0	0.73	ug/L			07/19/20 12:27	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/19/20 12:27	1
Toluene	1.0	U	1.0	0.51	ug/L			07/19/20 12:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/19/20 12:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/19/20 12:27	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/19/20 12:27	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/19/20 12:27	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/19/20 12:27	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/19/20 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*07/19/20 12:27*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*07/19/20 12:27*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*07/19/20 12:27*	*1*

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

Job ID: 480-172354-1
SDG: 480-172354-1

Client Sample ID: TRIP BLANK
Date Collected: 07/14/20 00:00
Date Received: 07/14/20 14:45

Lab Sample ID: 480-172354-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		07/19/20 12:27	1

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Ecology & Environment, Inc	Ashlee Smith	Jul 14, 2020	282452
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
368 Pleasantview Dr	(716) 684-8060 ext 2710		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Lancaster / NY / 14086	R. Allen		
Project Name and Location (State)	**Carrier/Waybill Number**		
Mr Cs OM&M (NY)			
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	7/14/20			✓			2						✓			Contact with "Lab Contact" and "Contract / Purchase Order" information
INFLUENT				✓					2					✓		
INFLUENT				✓						3					✓	
EFFLUENT				✓			2						✓			
EFFLUENT				✓					2					✓		
EFFLUENT				✓						3					✓	
DISCHARGE				✓						3					✓	
HCL TB				✓						2					✓	

480-172354 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
(A fee may be assessed if samples are retained longer than 1 month)

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

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Richard C Allen Jr	7/14/20	1445
1. Received By: Cynthia Cikolb	07/14/20	1445
2. Relinquished By		
2. Received By		
3. Relinquished By		
3. Received By		

Comments: Temp 18.6 #1 No ICE

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

Attachment B
IEG Summary of Field Activities

June and July 2020

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - Jun 2020

DATE	ACTIVITY
17-Jun-20	Meeting at Treatment Room with E&E, Inc. and GES.
22-Jun-20	OM&M Weekly Inspection. Inventory equipment in Treatment Room. OM&M Office work. Load stored equipment into truck.
25-Jun-20	Check System. Drop off and organize stored equipment. Reset electric panels.
27-Jun-20	OM&M Office work
29-Jun-20	OM&M Office Work. Meet NYSOFPC Inspector. Reset electric panels. Clean drum pump. Remove vent cover over man-door. Set up step ladder with bag filter over sump box. Drop off and organize stored equipment. Turned ON 586 Building SVE System.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 6/2020

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Air Sparger Pump stopped working	One of the two Air Sparger Pumps experienced a diaphram break down. Replaced with new pump. Will take old pump to be repaired.	Feb-20
Move IEG Equipment out of Treatment Room	E&E, Inc is relinquishing the OM&M to GES for the month of March as per NYSDEC request. Remove all IEG Equipment and move it to the IEG Shed.	Feb-20
Meet NYSOFPC for Inspection	Meet NYSOFPC Inspector for a Fire Safety Inspection. As per Inspector's observations, installed a Fire Extinguisher in front of Equalization Tank. Installed an electrical switch on North wall to control room heater and an electrical outlet box on North wall near Air Stripper for air sparger pumps.	Jul-20
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
Drums of Sludge and Used Filters	Have (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. Dispose drums.	in progress
Effluent Meter	Clean Effluent Meter inside	in progress
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 a snowplow. Let IA, Inc. know and have their maintenance personnel fill inner ring with gravel as a temporary fix. Replace inner ring when temperatures are warmer.	in progress
Inventory Equipment in Treatment Room	Check that equipment left in the Treatment Room In February is still there. MISSING: 4" Ball Valve, Rolling Box and Air Pump	in progress
Move IEG Equipment into Treatment Room	E&E, Inc is reinstated as the contractor as per NYSDEC request. Return IEG Equipment to the Treatment Room and organize.	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2020

as of Jun 2020

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	Dec 07, Jan 12	Sep-13		Aug 13	Oct 16, Oct 18		May 10, Nov 11, Oct 15, Oct 16, Oct 17, Oct 18, Sep 19	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	Jul 08, Jan 12				Nov 16, Oct 18		Mar 11, Oct 15, Nov 16, Oct 17, Oct 18, Sep 19	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	Jun 08, Jul 09, Aug 12, Nov 12, Sep 15		Replaced Aug 15		Jul 12, Nov 12, Sep 15, Apr 17, Oct 18	Aug 15	Aug 09, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Dec 17, Oct 18, Sep 19	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	Nov 07, Jul 09, Oct 10, Nov 12		Replaced Aug 15		Jul 12, Nov 12, Nov 16, Oct 18	Aug 15	Oct 10, Aug 11, Mar 12, Jul 12, Dec 12, Aug 15, Nov 16, Oct 17, Oct 18, Sep 19		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	Jul 08, Sep 09, Aug 11, Dec 12		Replaced Aug 15		Pipe Aug 09, Jul 12, Sep 15, Apr 17, Oct 18	Aug 15	May 10, Aug 11, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19		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 - 2020

as of Jun 2020

ID	NEEDS CLEANING & INSPECTION	NEEDS 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 TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	PIEZOMETERS	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	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		NO	NO	YES - bolts
PW-3	NO	NO	NO		NO		NO		NO	NO	PZ-3D is buried under gravel	NO	NO	NO
PW-4	NO	NO	NO		NO		NO		NO	NO		NO	NO	YES - Asphalt patch
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	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - Jul 2020

DATE	ACTIVITY
1-Jul-20	Dropped off Fire Extinguisher. Changed Bag Filters in Filter Baskets. Repaired leaking Filter Housing.
2-Jul-20	Cleaned inside of Filter Housings. Applied LeakSeal to inside of Filter Housings.
3-Jul-20	Applied LeakSeal to inside of Filter Housings. OM&M Office Work.
7-Jul-20	Assemble Filter Housings. Dropped off and organized stored equipment. Moblized for electrical work. Installed electrical outlet and switch with Caroll Heating. Turned System ON.
8-Jul-20	OM&M Weekly Inspection. Inastalled Fire Extinguisher. Dropped off and organized stored equipment. June End of Month Summaries.
10-Jul-20	OM&M Office work. Loaded stored equipment into truck.
13-Jul-20	OM&M Weekly Inspection. Dropped off and organized stored equipment. Taped around new electric outlet on North wall. Conducted test of Discharge Pipe Sampling procedure.
14-Jul-20	Treatment Room Sampling with Discharge Pipe.
20-Jul-20	OM&M Weekly Inspection. Mixed 1/2 drum of Redux Solution. Rinsed out old drum.
23-Jul-20	Checked System. Dropped off sample coolers and vials. Replaced Influent Pressure Gauge.
24-Jul-20	Piezometer Readings
25-Jul-20	Piezometer Readings
27-Jul-20	OM&M Weekly Inspection. Dropped off and organized stored equipment.
28-Jul-20	Received delivery of chemicals from CDI.
29-Jul-20	Checked System. Dropped off and organized stored equipment. Mixed new drum of Redux Solution.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 7/2020

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Air Sparger Pump stopped working	One of the two Air Sparger Pumps experienced a diaphram break down. Replaced with new pump. Will take old pump to be repaired.	Feb-20
Move IEG Equipment out of Treatment Room	E&E, Inc is relinquishing the OM&M to GES for the month of March as per NYSDEC request. Remove all IEG Equipment and move it to the IEG Shed.	Feb-20
Meet NYSOFPC for Inspection	Meet NYSOFPC Inspector for a Fire Safety Inspection. As per Inspector's observations, installed a Fire Extinguisher in front of Equalization Tank. Installed an electrical switch on North wall to control room heater and an electrical outlet box on North wall near Air Stripper for air sparger pumps.	Jul-20
Rosedale Filter is Leaking	Left Filter Housing has a leak. Prep and apply sealant to housing. Clean inside of Filter Housings. Coat with LeakSeal to reduce the chance of further leaks.	Jul-20
Fire Inspection Cites Need for Electric Outlet	Fire Inspection called for an electrical outlet to be installed on the North wall. Installed electrical outlet and switch on the North wall.	Jul-20
Fire Inspection Cites Need for Fire Extinguisher.	Fire Inspection called for a Fire Extinguisher to be installed in the unit. Installed Fire Extinguisher near the center of the unit next to "FIRE EXTINGUISHER" sticker.	Jul-20
Influent Pressure Gauge is Broken	Influent Pressure Gauge no longer reads pressure. Replaced with like gauge.	Jul-20
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
Drums of Sludge and Used Filters	Have (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. Dispose drums.	in progress
Effluent Meter	Clean Effluent Meter inside	in progress
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 a snowplow. Let IA, Inc. know and have their maintenance personnel fill inner ring with gravel as a temporary fix. Replace inner ring when temperatures are warmer.	in progress
Inventory Equipment in Treatment Room	Check that equipment left in the Treatment Room In February is still there. MISSING: Rolling Box and Air Pump	in progress
Move IEG Equipment into Treatment Room	E&E, Inc is reinstated as the contractor as per NYSDEC request. Return IEG Equipment to the Treatment Room and organize.	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2020

as of Jul 2020

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	Dec 07, Jan 12	Sep-13		Aug 13	Oct 16, Oct 18		May 10, Nov 11, Oct 15, Oct 16, Oct 17, Oct 18, Sep 19	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	Jul 08, Jan 12				Nov 16, Oct 18		Mar 11, Oct 15, Nov 16, Oct 17, Oct 18, Sep 19	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	Jun 08, Jul 09, Aug 12, Nov 12, Sep 15		Replaced Aug 15		Jul 12, Nov 12, Sep 15, Apr 17, Oct 18	Aug 15	Aug 09, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Dec 17, Oct 18, Sep 19	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	Nov 07, Jul 09, Oct 10, Nov 12		Replaced Aug 15		Jul 12, Nov 12, Nov 16, Oct 18	Aug 15	Oct 10, Aug 11, Mar 12, Jul 12, Dec 12, Aug 15, Nov 16, Oct 17, Oct 18, Sep 19		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	Jul 08, Sep 09, Aug 11, Dec 12		Replaced Aug 15		Pipe Aug 09, Jul 12, Sep 15, Apr 17, Oct 18	Aug 15	May 10, Aug 11, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19		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 - 2020

as of Jul 2020

ID	NEEDS CLEANING & INSPECTION	NEEDS 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 TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	PIEZOMETERS	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	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		NO	NO	YES - bolts
PW-3	NO	NO	NO		NO		NO		NO	NO	PZ-3D is buried under gravel	NO	NO	NO
PW-4	**YES**	NO	NO		NO		**YES**		**YES**	NO		NO	NO	YES - Asphalt patch
PW-5	**YES**	NO	NO		NO		**YES**		**YES**	NO		NO	NO	NO
PW-6	**YES**	NO	NO		NO		**YES**		**YES**	NO	PZ-6A and PZ-6C are damaged	NO	NO	DONE
PW-7	**YES**	NO	NO		NO		**YES**		**YES**	NO		NO	NO	NO
PW-8	**YES**	NO	NO		NO		**YES**		**YES**	NO		NO	NO	NO

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

DATE: 22-Jun-20 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Partly cloudy, warm *OUTSIDE TEMPERATURE (°F):* 79

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:	7	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON:	OFF: √	4	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	4	ft
PW-4	ON:	OFF: √	4	ft	PW-8	ON:	OFF: √	7	ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 6/8/2020 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 19762861 gallons

SEQUESTERING AGENT DRUM LEVEL: 23 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 39 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:* 8 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 0 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 3.9 in. H_2O

AIR FLOW : 1570 fpm X 1.4 = 2198 CFM *AIR SPARGER* *LEFT* 7.0 *RIGHT* 3.3 CFM

AIR TEMP: 106.8 °F

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 3.5 (96.9) psi

EFFLUENT FLOW RATE: 76 gpm *EFFLUENT TOTALIZER READING:* 86,508,885 | 172280 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 90

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

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

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

22-Jun-20

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

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:						
AIR STRIPPER EFFLUENT:						

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** _____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** _____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** _____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** _____ **NO:** √

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER:	**1.4**	**in. WC**		west	east	***NOTES:*** cfm = 0.05 x fpm (3" PVC)
(Fan Inlet)			**FLOW (fpm):**	1320	750	
CONDENSATE	**2.0**	**gallon**	**FLOW (cfm):**	66	36.5	
DRAINED	**Y**	**VACUUM GAUGE (in WC)**				

OTHER LOCATIONS

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

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

Remarks:

Other Actions: AutoDialer was DISARMED - RE-ARMED unit.

MPI-5S is damaged and filled with small gravel. This is unchanged since February 2020.

Dropped off equipment from storage into Treatment Room and organized.

PanelView Alarm ON - Air Stripper Low Pressure - Reset Panels - OK.

AGWAY

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

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

DATE: 29-Jun-20 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Sunny, warm *OUTSIDE TEMPERATURE (°F):* 79

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

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

NOTES:

INFLUENT FLOW RATE: 2 gpm INFLUENT TOTALIZER READING: 19777286 gallons

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

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	14	0	psi	RIGHT:	20	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 9 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 0.6 (16.6) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 3.2 in. H_2O

AIR FLOW : 1500 fpm X 1.4 = 2100 CFM *AIR SPARGER* *LEFT* 7.3 *RIGHT* 3.5 CFM

AIR TEMP: 102.5 °F

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

EFFLUENT FLOW RATE: 9 gpm *EFFLUENT TOTALIZER READING:* 86,517,795 | 181190 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 85

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

29-Jun-20

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

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:						
AIR STRIPPER EFFLUENT:						

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** _____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** _____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** _____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** _____ **NO:** √

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: 1.4 **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: NYSOFPC Inspection (6/29/2020) - need fire extinguisher and electrical outlet for Air Sparge Pumps.

Other Actions: System Running - Air Stripper Low Pressure Alarms are ON. Reset System - OK.

Turned 586 Building SVE System ON.

Cleaned drum pump. Removed vent cover over man-door.

Leak occurred in left Bag Filter Housing. Repaired leak and sealed inside of both Bag Filter Housings.

Turned OFF System on Jul 1 for bag filter repair. Restarted on 7/7/20

AGWAY

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

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

DATE: 8-Jul-20 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:* Caroll Heating

WEATHER CONDITIONS: Sunny, warm *OUTSIDE TEMPERATURE (°F):* 80

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

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14	ft	PW-5	ON: √	OFF:	3	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON:	OFF: √	6	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	6	ft
PW-4	ON:	OFF: √	4	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: 9 gpm INFLUENT TOTALIZER READING: 19792202 gallons

SEQUESTERING AGENT DRUM LEVEL: 19 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 32 gallons

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	6	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 22 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 0.6 (16.6) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 3.1 in. H_2O

AIR FLOW : 1550 fpm X 1.4 = 2170 CFM *AIR SPARGER* *LEFT* 7.3 *RIGHT* 3.4 CFM

AIR TEMP: 107.4 °F

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

EFFLUENT FLOW RATE: 84 gpm *EFFLUENT TOTALIZER READING:* 86,524,996 | 188390 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 79

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

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

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

8-Jul-20

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

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:						
AIR STRIPPER EFFLUENT:						

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** _____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** _____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** _____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** _____ **NO:** √

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.4** **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

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

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

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

OTHER LOCATIONS

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

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

Remarks:

Other Actions: Installed electric switch and outlet on North wall.

Turned System ON Jul 7.

Installed Fire Extinguisher.

Dropped off stored equipment and organized into unit.

AGWAY

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

Mr. C's Site OM&M – July 8, 2020
REPAIR OF LEAKING FILTER HOUSING

BEFORE REPAIR:
LEFT BAG FILTER HOUSING LEAKING

AFTER REPAIR:
LEFT BAG FILTER HOUSING LEAK REPAIRED

BEFORE REPAIR:
PUDDLE ON FLOOR (left) AND
GROVE IN CONCRETE FLOOR TO DRAIN WATER

Mr. C's Site OM&M – July 9, 2020
FOLLOWUP ON FIRE SAFETY INSPECTION

ELECTRICAL SWITCH BOX INSTALLED IN NORTH WALL FOR ROOM HEATER

ELECTRICAL OUTLET INSTALLED IN NORTH WALL FOR AIR SPARGER PUMPS AND OTHER USE (insulation to be covered with duct tape)

COMMERCIAL FIRE EXTINGUISHER INSTALLED IN FRONT OF EQUALIZATION TANK

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

DATE: 20-Jul-20 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Partly cloudy, warm *OUTSIDE TEMPERATURE (°F):* 80

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

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

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

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 19853594 gallons

SEQUESTERING AGENT DRUM LEVEL: 0 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 0 gallons

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

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

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

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 7.0 (194) in. H_2O

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

AIR FLOW : 1600 fpm X 1.4 = 2240 CFM *AIR SPARGER* *LEFT* 7.1 *RIGHT* 3.3 CFM

AIR TEMP: 106.6 °F

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

EFFLUENT FLOW RATE: 82 gpm *EFFLUENT TOTALIZER READING:* 86,566,917 230410 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 88

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

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

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

20-Jul-20

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

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:						
AIR STRIPPER EFFLUENT:						

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** _____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** _____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** _____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** _____ **NO:** √

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.4** **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

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

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

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

OTHER LOCATIONS

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

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

Remarks:

Other Actions: Mixed half drum of Redux solution; 1 Redux : 2 Water. Rinsed out old Redux drum.

Dropped off new Sample coolers and vials. Installed tape around new switch on North wall.

Replaced Influent Pressure Gauge; Dropped off stored equipment and organized into unit ON for 30 seconds.

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

DATE: 3-Aug-20 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

WEATHER CONDITIONS: Partly cloudy, warm *OUTSIDE TEMPERATURE (°F):* 70

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

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

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

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 19928390 gallons

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

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

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	42.5	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 6 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 0.8 (22.2) in. H_2O

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

AIR FLOW : 1550 fpm X 1.4 = 2170 CFM *AIR SPARGER* *LEFT* 7.0 *RIGHT* 3.2 CFM

AIR TEMP: 101.6 °F

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

EFFLUENT FLOW RATE: 85 gpm *EFFLUENT TOTALIZER READING:* 86,615,945 279440 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 83

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

3-Aug-20

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

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	11:30 am	7.1	7.0	22.2	1877
AIR STRIPPER EFFLUENT:	EFF	11:30 am	9.3	8.9	23.7	2078

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.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.4** **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

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

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

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

OTHER LOCATIONS

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

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

Remarks:

Other Actions: Dropped off and organized stored equipment.

Took delivery of (1) bag Bicarbonate and (1) pail of Hydrochloric Acid.

Mixed new drum of Redux Solution; 1 Redux: 2 Water.

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

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 24-Jul-20 **Measurements taken by:** R. Allen

RW-1	10.80 ft	Comments:		PW-5	17.90 ft	Comments:	
PZ-1A	10.90 ft	Comments:		PZ-5A	10.18 ft	Comments:	
PZ-1B	10.51 ft	Comments:		PZ-5B	10.10 ft	Comments:	
PZ-1C	11.64 ft	Comments:		PZ-5C	9.70 ft	Comments:	
PZ-1D	11.79 ft	Comments:		PZ-5D	10.49 ft	Comments:	
PW-2	10.00 ft	Comments:		PW-6	15.80 ft	Comments:	
PZ-2A	10.25 ft	Comments:		PZ-6A	10.88 ft	Comments:	
PZ-2B	10.62 ft	Comments:		PZ-6B	10.75 ft	Comments:	
PZ-2C	10.07 ft	Comments:		PZ-6C	11.14 ft	Comments:	
MW-7	10.62 ft	Comments:	Substitute for 2D	PZ-6D	10.78 ft	Comments:	Shown as RW-2 on map
PW-3	10.90 ft	Comments:		PW-7	20.80 ft	Comments:	
PZ-3A	10.78 ft	Comments:		MPI-6S	10.26 ft	Comments:	
PZ-3B	10.87 ft	Comments:		PZ-7B	10.60 ft	Comments:	
PZ-3C	11.34 ft	Comments:		OW-B	10.50 ft	Comments:	
PZ-3D	------ ft	Comments:	Under Gravel	PZ-7D	10.21 ft	Comments:	
PW-4	16.40 ft	Comments:		PW-8	19.70 ft	Comments:	
PZ-4A	10.91 ft	Comments:		PZ-8A	7.45 ft	Comments:	
PZ-4B	10.12 ft	Comments:		PZ-8B	7.37 ft	Comments:	
PZ-4C	------ ft	Comments:	sealed over	PZ-8C	7.00 ft	Comments:	
PZ-4D	9.72 ft	Comments:		PZ-8D	7.25 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

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

Attachment C
Summary of Site Utility Costs and Projections
January to December 2020

ATTACHMENT C

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs
NYSDEC Work Assignment #1705007.0007.02
12 Months of System Operation and Maintenance
June and July 2020 Report

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

Gas and Electric

Utility Provider	Account #	E&E Cost Center	Description	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
New York State E&G	1001-0310-422	EN-003229-0001-03TTO	Mr. C's Electric Costs				$ 1,204.20	$ 1,166.73	
New York State E&G	76-311-11-015900-18								
National Fuel Gas	7160295 10	EN-003229-0001-03TTO	Mr. C's Natural Gas Costs	$ 285.23	$ 77.28	$ 73.03		$ 64.28	
			Totals	**$ 285.23**	**$ 77.28**	**$ 73.03**	**$ 1,204.20**	**$ 1,231.01**	**$ -**

	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020
Mr. C's Electric Costs						
Mr. C's Natural Gas Costs						
Totals	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Electric - Mr. C's	**$**	**2,370.93**	**Notes:**
Natural Gas - Mr. C's	**$**	**499.82**	Overbilled natural gas costs - no charges
Grand Total - NYSE&G/National Fuel Gas Costs To Date	**$**	**2,870.75**	**Estimated Reading**

Telephone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
Granite Telecommunications							$ 57.22	$ 55.04	$ 55.89
Account # 01890582	866-874-5500	EN-003229-0001-03TTO	Mr. C's Telephone Costs	**Jul-2020**	**Aug-2020**	**Sep-2020**	**Oct-2020**	**Nov-2020**	**Dec-2020**

Verizon Costs to Date - Mr. C's	**$**	**168.15**

Grand Total All Utilities To Date	**$**	**3,038.90**

Monthly Average Costs

Mr. C's Electric	$	1,185.47
Mr. C's Gas	$	124.96
Mr. C's Telephone	$	56.05
Average Utility Cost Total	**$**	**1,366.47**
12 Month Estimate	**$**	**16,397.64**

Budget Remaining:	Electric:	$22,929.07
	Telephone:	$371.85
	Gas	$620.18
	Total:	$23,921.10