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Environmental Specialists
BUFFALO CORPORATE CENTER
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November 11, 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
September 2020 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the September 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 September 2020 reporting period, the treatment system was in operation from September 1, 2020 through September 28, 2020. The September monthly OM&M sampling was performed on September 2, 2020, and the results were received from Eurofins on September 11, 2020 (See Attachment A). A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is provided in Attachment B.

In review of the on-site treatment system operations, monitoring and maintenance from IEG for September 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 September 1, 2020 through September 28, 2020, had an approximate operational up-time of 100%, and 91,163 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 September 2, 2020 collected from the effluent sampling port did not meet requirements of the SPDES Equivalency permit for cis-1,2-dichloroethene and tetrachloroethene. The effluent results are provided in Table 2. There were no detections in the discharge sample collected on September 2, 2020 at the SPDES discharge point in Tannery Brook, so the system was not shutdown, but cleaning of the air stripper was scheduled for October 2020. Additional effluent samples were collected to confirm the effectiveness of corrective actions and will be included in the report for the October 2020 reporting period.
- The analytical summary results of the September 2, 2020 samples revealed the total volatile organic contaminant concentrations of the influent to be 1,740.0 µg/L and the

concentration of total volatile organic contaminants in the effluent was 78.5 µg/L. The summary of influent and effluent contaminant concentrations for the September 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 1.26 lbs. of targeted contaminants from the groundwater between September 1, 2020 through September 28, 2020. The cleanup effectiveness for September 2020 was approximately 95.49%. 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.

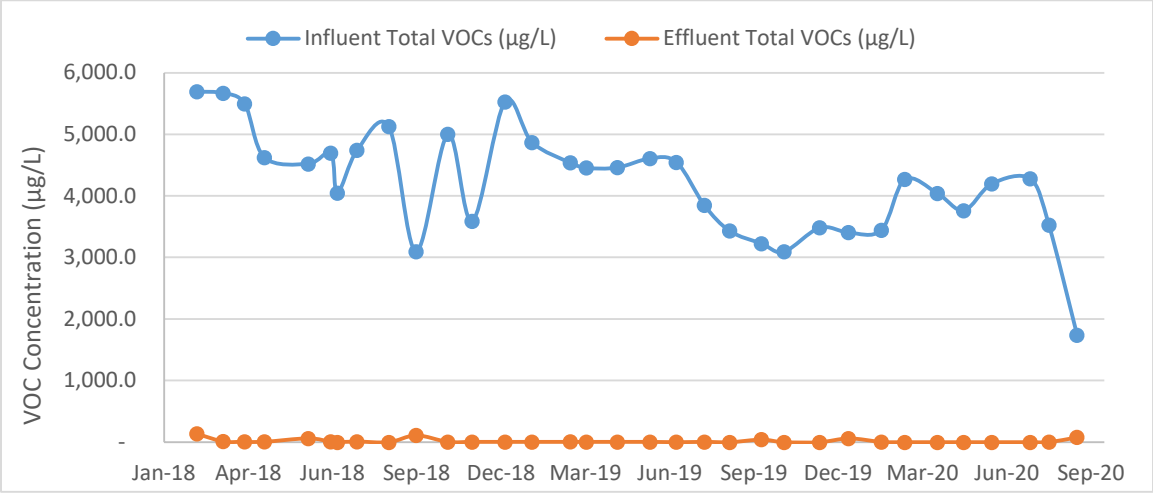


Figure 1: Monthly Influent and Effluent VOC concentrations - 2018 - 2020.

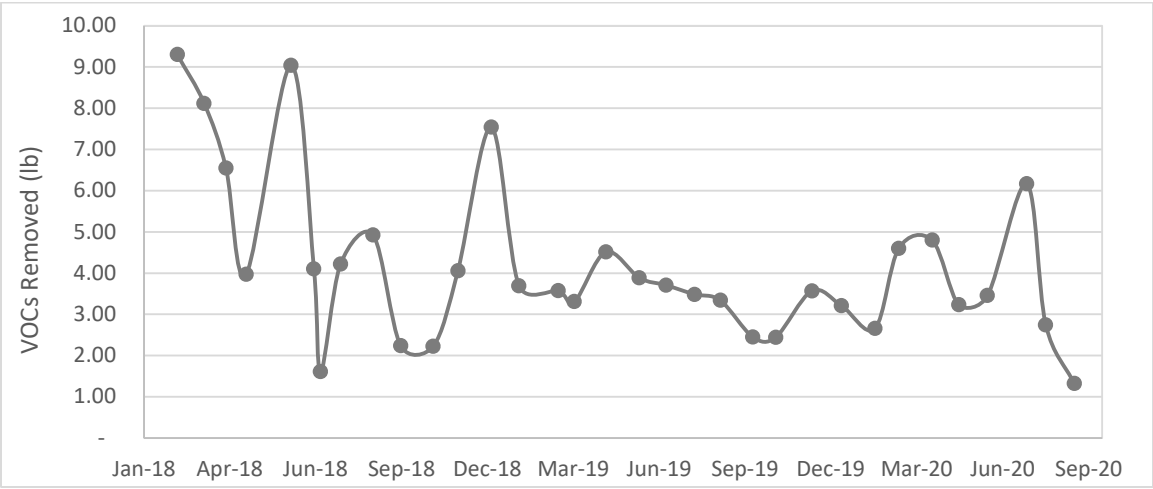


Figure 2: Mass of VOCs removed each month - 2018 - 2020.

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

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

Ashlee Smith, P.E.
Project Manager

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

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

Analytical Data Package Work Order ID: J174620
Sampled by IEG: September 2, 2020
Report Received: September 11, 2020

Attachment B
IEG Summary of Field Activities

September 2020

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

Month	Sample Date	Up-time (Reporting Period)		Treated Effluent (gallons)	VOC Removal		
		Reporting Hours	Operational Up-time		Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
(Treatment System Up-time from 9/5/02 to 01/03/20)		**147,266**	**91.54%**	**134,339,311**	**NA**	**NA**	**1,794.68**
January 03, 2020 to February 07, 2020	February 6, 2020	672	77.78%	92,500	3,439.0	5.00	2.65
February 08, 2020 to March 02, 2020	March 2, 2020	576	100.00%	129,217	4,267.7	0.00	4.60
March 03, 2020 to April 06, 2020	April 6, 2020	840	100.00%	142,390	4,040	0.00	4.80
April 07, 2020 to May 04, 2020	May 4, 2020	672	100.00%	103,085	3,761	0.00	3.24
May 05, 2020 to June 03, 2020	June 3, 2020	720	100.00%	98,755	4,199	0.00	3.46
June 04, 2020 to August 03, 2020	July 14, 2020	1320	90.16%	172,706	4,280	0.00	6.17
August 04, 2020 to August 31, 2020	August 3, 2020	672	100.00%	93,458	3,525	0.90	2.75
September 01, 2020 to September 28, 2020	September 2, 2020	672	100.00%	91,163	1,662	78.50	1.26
Total in 2020		**6,144**	**94.81%**	**923,274**	**NA**	**NA**	**28.93**
Total from startup		**153,410**	**91.68%**	**135,262,585**	**NA**	**NA**	**1,823.61**

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	September 2, 2020 Effluent Analytical Values Compliance
Flow (Average)[2]	N/A	gpd	3,256
pH	6.0 - 9.0	standard units	8.7
1,1 Dichloroethene	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	32
Trichloroethene	10	µg/L	8.3
Tetrachloroethene	10	µg/L	36
Vinyl Chloride	10	µg/L	2.2
Benzene	5	µg/L	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)
Methylene Chloride	10	µg/L	ND (<1.0)
1,1,1 Trichloroethane	10	µg/L	ND (<1.0)
Toluene	5	µg/L	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND(<1.0)
o-Xylene[3]	5	µg/L	ND(<2.0)
m, p-Xylene[3]	10	µg/L	ND(<2.0)
Total Xylenes	NA	ug/L	ND(<2.0)
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	580
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:
   September 1, 2020 through September 28, 2020 = 3,256 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
September 2020 VOC Analytical Summary

Compound	Based on the September 2, 2020 Effluent Analytical Results				
	Influent Concentration (ug/L)		Effluent Concentration (ug/L)		Treatment Efficiency* (%)
Acetone	ND(<400)	U	ND(<10)	U	NA
Benzene	ND(<40)	U	ND(<1.0)	U	NA
2-Butanone	ND(<400)	U	ND(<10)	U	NA
1,1-Dichloroethene	ND (<40)	U	ND(<1.0)	U	NA
cis-1, 2-Dichloroethene	1,100		**32**		97.09%
Chloroform	ND(<40)	U	ND(<1.0)	U	NA
Chloromethane	ND(<40)	U	ND(<1.0)	U	NA
Methylene chloride	ND(<40)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	11	J	ND(<1.0)	U	100.00%
Methyl acetate	ND(<100)	U	ND(<2.5)	U	NA
Tetrachloroethene (PCE)	410		**36**	U	91.22%
Toluene	ND(<40)	U	ND(<1.0)	U	NA
Trichloroethene (TCE)	160		8.3	U	94.81%
Carbon Disulfide	ND(<40)	U	ND(<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND(<40)	U	ND(<1.0)	U	NA
2-Hexanone	ND(<200)	U	ND(<5.0)	U	NA
4-Methyl-2-pentanone	ND(<200)	U	ND(<5.0)	U	NA
Cyclohexane	ND(<40)	U	ND(<1.0)	U	NA
trans-1,2-dichloroethene	ND(<40)	U	ND(<1.0)	U	NA
Chlorobenzene	ND(<40)	U	ND(<1.0)	U	NA
Methylcyclohexane	ND(<40)	U	ND(<1.0)	U	NA
Ethylbenzene	ND(<40)	U	ND(<1.0)	U	NA
Vinyl Chloride	59		2.2	U	96.27%
Total Xylenes	ND(<80)	U	ND(<2.0)	U	NA
TOTAL:	**1,740**		**78.5**		**95.49%**

Notes:

1. The efficiency cleanup values are calculated based on the September 2, 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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-174620-1
Client Project/Site: Mr. C's Dry OM&M

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

Attn: Ashlee Smith

Authorized for release by:
9/11/2020 3:25:38 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

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

Definitions/Glossary

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

Job ID: 480-174620-1

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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
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: 480-174620-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-174620-1

Comments
No additional comments.

Receipt
The samples were received on 9/2/2020 12:48 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-548065 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are impacted: EFFLUENT (480-174620-2) and DISCHARGE (480-174620-3).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-548593 recovered outside acceptance criteria, low biased, for 2-Butanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-174620-1). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: INFLUENT (480-174620-1) and EFFLUENT (480-174620-2).

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

Detection Summary

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

Job ID: 480-174620-1

Client Sample ID: INFLUENT — Lab Sample ID: 480-174620-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1100		40	32	ug/L	40		8260C	Total/NA
Methyl tert-butyl ether	11	J	40	6.4	ug/L	40		8260C	Total/NA
Tetrachloroethene	410		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	160		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	59		40	36	ug/L	40		8260C	Total/NA
Hardness as calcium carbonate	500		5.0	1.3	mg/L	2.5		SM 2340C	Total/NA
pH	7.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.4	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-174620-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	32		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	36		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	8.3		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.2		1.0	0.90	ug/L	1		8260C	Total/NA
Hardness as calcium carbonate	580	F1	5.0	1.3	mg/L	2.5		SM 2340C	Total/NA
pH	8.7	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.8	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: DISCHARGE — Lab Sample ID: 480-174620-3

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-174620-1

Client Sample ID: INFLUENT
Date Collected: 09/02/20 00:00
Date Received: 09/02/20 12:48

Lab Sample ID: 480-174620-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	40	U	40	33	ug/L			09/09/20 10:44	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			09/09/20 10:44	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			09/09/20 10:44	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			09/09/20 10:44	40
1,1-Dichloroethane	40	U	40	15	ug/L			09/09/20 10:44	40
1,1-Dichloroethene	40	U	40	12	ug/L			09/09/20 10:44	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			09/09/20 10:44	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			09/09/20 10:44	40
1,2-Dibromoethane	40	U	40	29	ug/L			09/09/20 10:44	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			09/09/20 10:44	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			09/09/20 10:44	40
1,2-Dichloropropane	40	U	40	29	ug/L			09/09/20 10:44	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			09/09/20 10:44	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			09/09/20 10:44	40
2-Butanone (MEK)	400	U	400	53	ug/L			09/09/20 10:44	40
2-Hexanone	200	U	200	50	ug/L			09/09/20 10:44	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			09/09/20 10:44	40
Acetone	400	U	400	120	ug/L			09/09/20 10:44	40
Benzene	40	U	40	16	ug/L			09/09/20 10:44	40
Bromodichloromethane	40	U	40	16	ug/L			09/09/20 10:44	40
Bromoform	40	U	40	10	ug/L			09/09/20 10:44	40
Bromomethane	40	U	40	28	ug/L			09/09/20 10:44	40
Carbon disulfide	40	U	40	7.6	ug/L			09/09/20 10:44	40
Carbon tetrachloride	40	U	40	11	ug/L			09/09/20 10:44	40
Chlorobenzene	40	U	40	30	ug/L			09/09/20 10:44	40
Chloroethane	40	U	40	13	ug/L			09/09/20 10:44	40
Chloroform	40	U	40	14	ug/L			09/09/20 10:44	40
Chloromethane	40	U	40	14	ug/L			09/09/20 10:44	40
cis-1,2-Dichloroethene	**1100**		40	32	ug/L			09/09/20 10:44	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			09/09/20 10:44	40
Cyclohexane	40	U	40	7.2	ug/L			09/09/20 10:44	40
Dibromochloromethane	40	U	40	13	ug/L			09/09/20 10:44	40
Dichlorodifluoromethane	40	U	40	27	ug/L			09/09/20 10:44	40
Ethylbenzene	40	U	40	30	ug/L			09/09/20 10:44	40
Isopropylbenzene	40	U	40	32	ug/L			09/09/20 10:44	40
Methyl acetate	100	U	100	52	ug/L			09/09/20 10:44	40
Methyl tert-butyl ether	**11**	**J**	40	6.4	ug/L			09/09/20 10:44	40
Methylcyclohexane	40	U	40	6.4	ug/L			09/09/20 10:44	40
Methylene Chloride	40	U	40	18	ug/L			09/09/20 10:44	40
Styrene	40	U	40	29	ug/L			09/09/20 10:44	40
Tetrachloroethene	**410**		40	14	ug/L			09/09/20 10:44	40
Toluene	40	U	40	20	ug/L			09/09/20 10:44	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			09/09/20 10:44	40
trans-1,3-Dichloropropene	40	U	40	15	ug/L			09/09/20 10:44	40
Trichloroethene	**160**		40	18	ug/L			09/09/20 10:44	40
Trichlorofluoromethane	40	U	40	35	ug/L			09/09/20 10:44	40
Vinyl chloride	**59**		40	36	ug/L			09/09/20 10:44	40
Xylenes, Total	80	U	80	26	ug/L			09/09/20 10:44	40

Client Sample ID: INFLUENT

Lab Sample ID: 480-174620-1

Date Collected: 09/02/20 00:00

Matrix: Water

Date Received: 09/02/20 12:48

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		09/09/20 10:44	40
4-Bromofluorobenzene (Surr)	99		73 - 120		09/09/20 10:44	40
Dibromofluoromethane (Surr)	105		75 - 123		09/09/20 10:44	40
Toluene-d8 (Surr)	96		80 - 120		09/09/20 10:44	40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**500**		5.0	1.3	mg/L			09/10/20 14:33	2.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.3**	**HF**	0.1	0.1	SU			09/03/20 14:37	1
Temperature	**20.4**	**HF**	0.001	0.001	Degrees C			09/03/20 14:37	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-174620-2

Date Collected: 09/02/20 00:00

Matrix: Water

Date Received: 09/02/20 12:48

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			09/04/20 05:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/04/20 05:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/04/20 05:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/04/20 05:43	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/04/20 05:43	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/04/20 05:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/04/20 05:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/04/20 05:43	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/04/20 05:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/04/20 05:43	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/04/20 05:43	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/04/20 05:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/04/20 05:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/04/20 05:43	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/04/20 05:43	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/04/20 05:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/04/20 05:43	1
Acetone	10	U	10	3.0	ug/L			09/04/20 05:43	1
Benzene	1.0	U	1.0	0.41	ug/L			09/04/20 05:43	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/04/20 05:43	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/04/20 05:43	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/04/20 05:43	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/04/20 05:43	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/04/20 05:43	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/04/20 05:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/04/20 05:43	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/04/20 05:43	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/04/20 05:43	1
cis-1,2-Dichloroethene	**32**		1.0	0.81	ug/L			09/04/20 05:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/04/20 05:43	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/04/20 05:43	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/04/20 05:43	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-174620-2

Date Collected: 09/02/20 00:00

Matrix: Water

Date Received: 09/02/20 12:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/04/20 05:43	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/04/20 05:43	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/04/20 05:43	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/04/20 05:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/04/20 05:43	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/04/20 05:43	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/04/20 05:43	1
Styrene	1.0	U	1.0	0.73	ug/L			09/04/20 05:43	1
Tetrachloroethene	**36**		1.0	0.36	ug/L			09/04/20 05:43	1
Toluene	1.0	U	1.0	0.51	ug/L			09/04/20 05:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/04/20 05:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/04/20 05:43	1
Trichloroethene	**8.3**		1.0	0.46	ug/L			09/04/20 05:43	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/04/20 05:43	1
Vinyl chloride	**2.2**		1.0	0.90	ug/L			09/04/20 05:43	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/04/20 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/04/20 05:43*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/04/20 05:43*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/04/20 05:43*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/04/20 05:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**580**	**F1**	5.0	1.3	mg/L			09/10/20 14:49	2.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.7**	**HF**	0.1	0.1	SU			09/03/20 14:39	1
Temperature	**20.8**	**HF**	0.001	0.001	Degrees C			09/03/20 14:39	1

Client Sample ID: DISCHARGE

Lab Sample ID: 480-174620-3

Date Collected: 09/02/20 00:00

Matrix: Water

Date Received: 09/02/20 12:48

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			09/04/20 06:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/04/20 06:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/04/20 06:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/04/20 06:06	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/04/20 06:06	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/04/20 06:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/04/20 06:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/04/20 06:06	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/04/20 06:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/04/20 06:06	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/04/20 06:06	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/04/20 06:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/04/20 06:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/04/20 06:06	1

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

Job ID: 480-174620-1

Client Sample ID: DISCHARGE
Date Collected: 09/02/20 00:00
Date Received: 09/02/20 12:48

Lab Sample ID: 480-174620-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/04/20 06:06	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/04/20 06:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/04/20 06:06	1
Acetone	10	U	10	3.0	ug/L			09/04/20 06:06	1
Benzene	1.0	U	1.0	0.41	ug/L			09/04/20 06:06	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/04/20 06:06	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/04/20 06:06	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/04/20 06:06	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/04/20 06:06	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/04/20 06:06	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/04/20 06:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/04/20 06:06	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/04/20 06:06	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/04/20 06:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/04/20 06:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/04/20 06:06	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/04/20 06:06	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/04/20 06:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/04/20 06:06	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/04/20 06:06	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/04/20 06:06	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/04/20 06:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/04/20 06:06	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/04/20 06:06	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/04/20 06:06	1
Styrene	1.0	U	1.0	0.73	ug/L			09/04/20 06:06	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/04/20 06:06	1
Toluene	1.0	U	1.0	0.51	ug/L			09/04/20 06:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/04/20 06:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/04/20 06:06	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/04/20 06:06	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/04/20 06:06	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/04/20 06:06	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/04/20 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/04/20 06:06*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/04/20 06:06*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/04/20 06:06*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/04/20 06:06*	*1*

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Ecology & Environment, Inc	Project Manager: Ashlee Smith	Date: Sep 2, 2020	Chain of Custody Number: 282457
Address: 368 Pleasantview Dr	Telephone Number (Area Code)/Fax Number: (716) 684-8060 ext 2710	Lab Number:	Page 1 of 1
City: Lancaster / State: NY / Zip Code: 14086	Site Contact: R. Allen	Lab Contact: John Schove	
Project Name and Location (State): Mr Cs OM&M (NY)	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: pH	Hardness	VOCs
INFLUENT	9/2/2020			✓			1						✓		
INFLUENT				✓					1					✓	
INFLUENT				✓						3					✓
EFFLUENT				✓			1						✓		
EFFLUENT				✓					1					✓	
EFFLUENT				✓						3					✓
DISCHARGE				✓						3					✓

Special Instructions/ Conditions of Receipt

We need "Lab Contact" and "Contract / Purchase Order" Information

Email: iyercnv@gmail.com
RKnapperteene.com

480-174620 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)

1. Relinquished By: Richard C Allen Jr	Date: 9/2/20	Time:	1. Received By:	Date:	Time:
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By: TAT	Date: 9/2/20	Time: 1298

Comments
3.3° #1

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

9/11/2020

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - Sep 2020

DATE	ACTIVITY
2-Sep-20	Monthly Treatment Room Sampling
4-Sep-20	August End of Month Summaries. Mobilized for Piezometer detecting.
7-Sep-20	OM&M Weekly Inspection. Received S&S Backflow for inspection.
8-Sep-20	Located and excavated PZ-7D.
11-Sep-20	Mobilized equipment for road box repair. Changed Bag Filters.
14-Sep-20	OM&M Weekly Inspection. Mobilized for road box repair. Got supplies. Removed, cleaned and disassembled ABB Efluent Meter.
16-Sep-20	Piezometer Readings
17-Sep-20	Piezometer Readings. OM&M Office work.
21-Sep-20	OM&M Weekly Inspection. Mixed new drum of Redux solution. Rinsed out old drum. Cleaned vent screen above man door. MPI-5S and MW-8 - saw cut asphalt around inner rings. Got supplies.
23-Sep-20	Got supplies. Checked System. MPI-5S - tested excavability of saw cut asphalt. Rented concrete saw. Saw cut asphalt around damaged road boxes.
28-Sep-20	OM&M Weekly Inspection.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 9/2020

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
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
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.	Aug-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 snowplow. Notified Intrepid Auto and had 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
Inventory Equipment in Treatment Room	Check that equipment left in the Treatment Room In February is still there. MISSING: Rolling Box, Large Air Pump and Redux Can.	in progress
PZ-7D is buried under gravel	Piezometer has been buried under hard packed gravel by snowplows during Winter months. Locate pizometer with metal detector and excavate.	Sep-20
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
Backflow inspection is due	The annual backflow inspection is due tor the Treatment Room. Make appointment with S&S Backflow to conduct the testing.	Sep-20

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2020

as of Sep 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, Aug 20	Dec 07, Jan 12	Sep-13		Aug 13	Oct 16, Oct 18, Aug 20		May 10, Nov 11, Oct 15, Oct 16, Oct 17, Oct 18, Sep 19, Aug 20	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	Jul 08, Jan 12				Nov 16, Oct 18, Aug 20		Mar 11, Oct 15, Nov 16, Oct 17, Oct 18, Sep 19, Aug 20	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 08, Jul 09, Aug 12, Nov 12, Sep 15		Replaced Aug 15		Jul 12, Nov 12, Sep 15, Apr 17, Oct 18, Aug 20	Aug 15	Aug 09, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Dec 17, Oct 18, Sep 19, Aug 20	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	Nov 07, Jul 09, Oct 10, Nov 12		Replaced Aug 15		Jul 12, Nov 12, Nov 16, Oct 18, Aug 20	Aug 15	Oct 10, Aug 11, Mar 12, Jul 12, Dec 12, Aug 15, Nov 16, Oct 17, Oct 18, Sep 19, Aug 20		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		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 Sep 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 DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 7-Sep-20 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:* S&S Backflow

WEATHER CONDITIONS: Partly cloudy, warm *OUTSIDE TEMPERATURE (°F):* 65

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

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	13	ft	PW-5	ON:	OFF: √	7	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON:	OFF: √	5	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	7	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: 0 gpm INFLUENT TOTALIZER READING: 20111298 gallons

SEQUESTERING AGENT DRUM LEVEL: 15 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 26 gallons

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

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

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

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

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

AIR FLOW : 1400 fpm X 1.4 = 1960 CFM *AIR SPARGER* *LEFT* 7.0 *RIGHT* 3.1 CFM

AIR TEMP: 98.4 °F

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

EFFLUENT FLOW RATE: 82 gpm *EFFLUENT TOTALIZER READING:* 86,735,788 399180 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: 6.5 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

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

7-Sep-20

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

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

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

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

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

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

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

RW-1 inner ring is corroded. MPI-5S and MW-8 inner rings are damaged.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER:	**1.4** **in. WC**		west	east	***NOTES:*** cfm = 0.05 x fpm (3" PVC)
(Fan Inlet)		**FLOW (fpm):**	1200	500	
CONDENSATE	**-----** **gallon**	**FLOW (cfm):**	60	25	
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: S&S Backflow conducted the annual inspection on Sep 7.

PZ-7D - located and excavated to expose road box.

Changed Bag Filters.

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

DATE: 21-Sep-20 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Sunny, warm *OUTSIDE TEMPERATURE (°F):* 60

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

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	13	ft	PW-5	ON:	OFF: √	5	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON:	OFF: √	6	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	7	ft
PW-4	ON:	OFF: √	6	ft	PW-8	ON:	OFF: √	3	ft

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

NOTES:

INFLUENT FLOW RATE: 3 gpm INFLUENT TOTALIZER READING: 20176243 gallons

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

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

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

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

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

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.4 in. H_2O

AIR FLOW : 1400 fpm X 1.4 = 1960 CFM *AIR SPARGER* *LEFT* 7.0 *RIGHT* 2.9 CFM

AIR TEMP: 91.2 °F

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

EFFLUENT FLOW RATE: 80 gpm *EFFLUENT TOTALIZER READING:* 86,778,762 broken gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 70

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

21-Sep-20

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

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

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

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

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

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

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

RW-1 inner ring is corroded. MPI-5S and MW-8 inner rings are damaged.

SUBSLAB SYSTEMS

TREATMENT ROOM

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

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

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

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

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **YES** √ **NO** ____ VOLUME: **0.5** gallon

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

Remarks:

Other Actions: Cleaned vent screen above man door.

Mixed new batch of Redux Solution. Rinsed out old Redux drum.

Cut asphalt around MPI-5S and MW-8 for repair.

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

DATE: 28-Sep-20 **ACTIVITIES:** Site Inspection

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

WEATHER CONDITIONS: Sunny, 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:	13	ft	PW-5	ON:	OFF: √	7	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON:	OFF: √	7	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	5	ft
PW-4	ON:	OFF: √	6	ft	PW-8	ON:	OFF: √	6	ft

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

NOTES:

INFLUENT FLOW RATE: 0 gpm **INFLUENT TOTALIZER READING:** 20208989 gallons

SEQUESTERING AGENT DRUM LEVEL: 21 inches (x 1.7=) **AMOUNT OF AGENT REMAINING:** 36 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:** 7 psi

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

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O **DISCHARGE PRESSURE:** 2.1 in. H_2O

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

AIR TEMP: 99.8 °F

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

EFFLUENT FLOW RATE: 86 gpm **EFFLUENT TOTALIZER READING:** 86,800,566 broken gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ **INSIDE TEMPERATURE (°F):** 80

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

28-Sep-20

SAMPLES COLLECTED? **YES:** √ **NO:** _____ Oct 1 Samples

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	9:30 am	6.6	10.0	16.2	1820
AIR STRIPPER EFFLUENT:	EFF	9:30 am	7.7	8.3	16.4	1840

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

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

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

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

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

RW-1 inner ring is corroded. MPI-5S and MW-8 inner rings are damaged.

SUBSLAB SYSTEMS

TREATMENT ROOM

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

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

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

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

OTHER LOCATIONS

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

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

Remarks:

Other Actions: Scheduled Redux delivery for Oct 5, 2020.

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

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 16-Sep-20 **Measurements taken by:** R. Allen

RW-1	11.30 ft	Comments:		PW-5	17.70 ft	Comments:	
PZ-1A	11.46 ft	Comments:		PZ-5A	10.76 ft	Comments:	
PZ-1B	11.24 ft	Comments:		PZ-5B	10.80 ft	Comments:	
PZ-1C	12.41 ft	Comments:		PZ-5C	10.51 ft	Comments:	
PZ-1D	12.53 ft	Comments:		PZ-5D	11.29 ft	Comments:	
PW-2	11.00 ft	Comments:		PW-6	18.50 ft	Comments:	
PZ-2A	11.03 ft	Comments:		PZ-6A	11.82 ft	Comments:	
PZ-2B	11.36 ft	Comments:		PZ-6B	11.65 ft	Comments:	
PZ-2C	11.00 ft	Comments:		PZ-6C	11.85 ft	Comments:	
MW-7	11.35 ft	Comments:	Substitute for 2D	PZ-6D	11.71 ft	Comments:	Shown as RW-2 on map
PW-3	11.50 ft	Comments:		PW-7	16.90 ft	Comments:	
PZ-3A	11.49 ft	Comments:		MPI-6S	11.40 ft	Comments:	
PZ-3B	11.58 ft	Comments:		PZ-7B	11.51 ft	Comments:	
PZ-3C	12.07 ft	Comments:		OW-B	11.42 ft	Comments:	
PZ-3D	11.59 ft	Comments:		PZ-7D	11.14 ft	Comments:	
PW-4	16.60 ft	Comments:		PW-8	19.40 ft	Comments:	
PZ-4A	11.72 ft	Comments:		PZ-8A	8.37 ft	Comments:	
PZ-4B	10.96 ft	Comments:		PZ-8B	8.28 ft	Comments:	
PZ-4C	------ ft	Comments:	sealed over	PZ-8C	7.95 ft	Comments:	
PZ-4D	10.55 ft	Comments:		PZ-8D	8.13 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

RW-1 pump on?		Yes	√	PW-5 pump on?		Yes	√
PW-2 pump on?		Yes	√	PW-6 pump on?		Yes	√
PW-3 pump on?		Yes	√	PW-7 pump on?		Yes	√
PW-4 pump on?		Yes	√	PW-8 pump on?		Yes	√

No

Bureau of Public Water Supply Protection

# of Backflow Prevention Device

PART A Please use a separate form for each device.

For the year 2020

☐ Initial test - *Complete entire form*

☒ Annual test - *Complete Part A only*

Public Water Supply	Account No.	County	Block	Lot
Village of East Aurora		Erie		

Facility Name Eyee Environmental

Address 580 Main St E. Aurora 14052 (Street / City / Zip)

Location of Device Mechanical room side parking lot

Device Information	Manufacturer	Type	Model	Size (in inches)	Serial Number
	Watts	☒ RPZ ☐ DCV	009M2QT	1 1/4	177453

	Check Valve No. 1	Check Valve No. 2	Differential Pressure Relief Valve	Line Pressure 55 psi
Test before repair	Leaked ☐ Closed tight ☒ Pressure drop across first check valve 4.0 psid	Leaked ☐ Closed tight ☒	Opened at 3.0 psid	Date 09 08 20 (M D Y)
Describe repairs and materials used				Repaired by Name _____ Lic # _____ Date repaired: _____ (M D Y)
Final test	Closed tight ☐ Pressure drop across first check valve _____ psid	Closed tight ☐	Opened at _____ psid	Date _____ (M D Y)

Water Meter Number 58337799

Meter Reading 001946

Type of Service: (check one) • Domestic • Fire • Other _____

Remarks (Describe deficiencies: bypasses, outlets before the device, connections between the device and point of entry, missing or inadequate airgaps, etc.)

Certification: This device ☒ meets,* ☐ does NOT meet, the requirements of an acceptable containment device at the time of testing

I hereby certify the foregoing data to be correct.

Print Name	Certified Tester No.	Signature	Expiration Date
Thomas J Stone	10572	TJS	09/30/2020

Property owner's (or owner's agent) certification that test was performed:

Print Name	Title	Signature	Telephone
Richard Allen	Technician	Richard C Allen	(716) 445-9685

PART B Certification that installation is in accordance with the approved plans. (To be completed by the design engineer or architect or water supplier.)

I hereby certify that this installation is in accordance with the approved plans.

Name	Title	Date (m d y)	NYS DOH Log #
License Number	Phone ( )		

Representing	Describe minor installation changes
Address	
City / State / Zip	
Signature	

NOTE: Send one completed copy to the designated health department representative and one copy to the water supplier within 30 days of the testing device. Notify owner and water supplier immediately if device fails test and repairs cannot immediately be made.

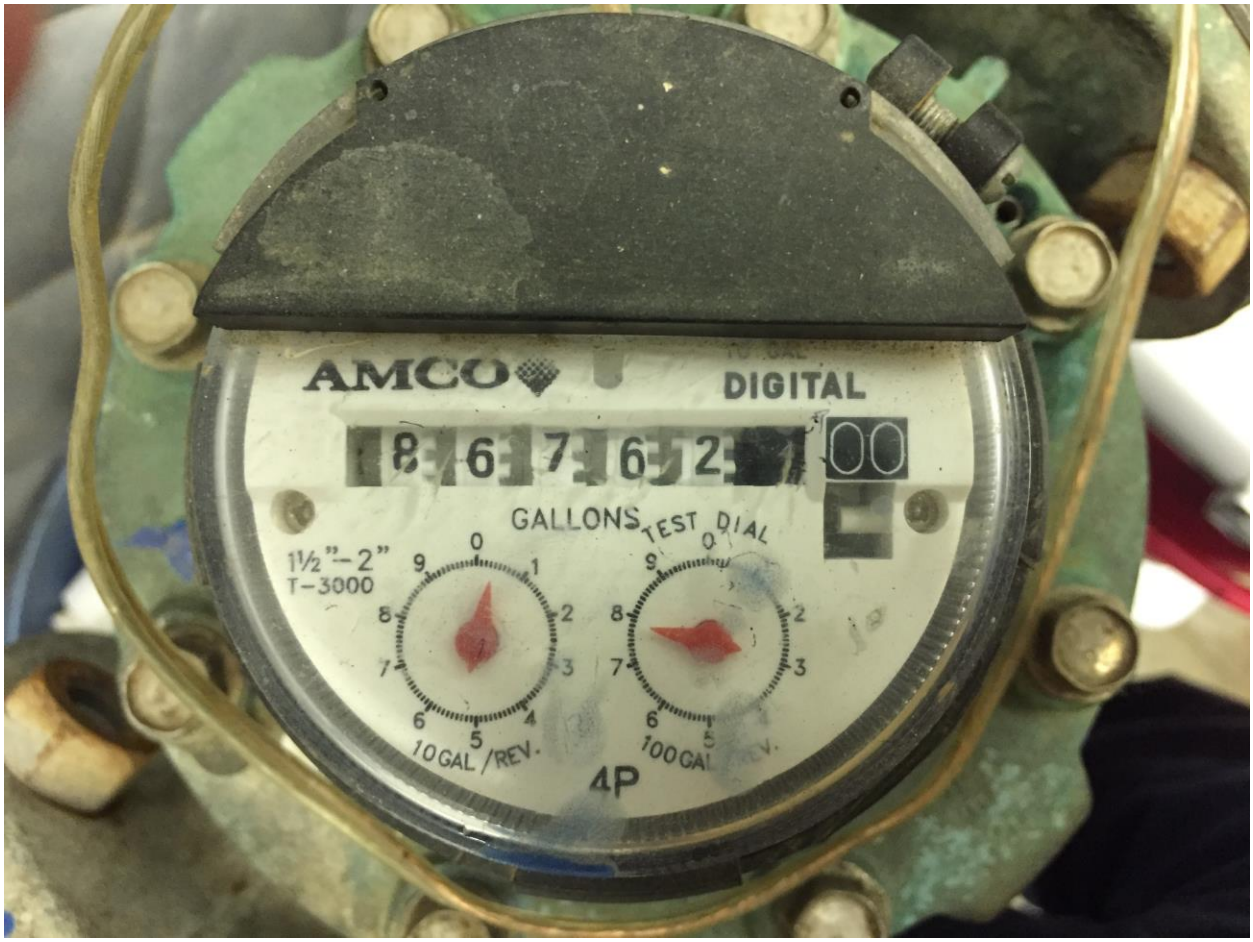
DOH- 1013(9/91)

MR. C's DRY CLEANERS SITE – OM&M

EFFLUENT METER PHOTOS – 2020

The Effluent Meter showing the pipes being downsized from the 4" SCH-40 PVC.

Close side view of the Effluent Meter.



Top view of the Effluent Meter.

MR. C's DRY CLEANERS SITE – OM&M

PIEZOMETER PZ-7D LOCATED – Sep '20

PAGE 1

PIEZOMETER PZ-7D WAS LOCATED
UNDER STONE/GRAVEL IN PARKING LOT.