New York City Department of Environmental Protection
Bureau of Water Supply

WWTP Water Quality Sampling Monitoring Semiannual Report
(July 1 – December 31, 2021)

March 2022

Prepared in accordance with Section 6.2 of the
New York State Department of Health
2017 Filtration Avoidance Determination

Prepared by: DEP, Bureau of Water Supply

Summary

The enclosed information was prepared in accordance with the New York City Department of Environmental Protection's (DEP) 2017 Long-term Watershed Protection Program and New York State Department of Health (NYSDOH) 2017 Filtration Avoidance Determination (FAD). It reports the results of DEP's monitoring of all New York City-owned wastewater treatment plants (WWTPs) and all non-City-owned WWTPs discharging in the Catskill and Delaware (CAT/DEL) watersheds from July 1, 2021 through December 31, 2021. The Croton Falls and Cross River basins, located east of the Hudson River, are only considered FAD basins when the pump stations for those reservoirs are in operation. These two pump stations were not in operation during the second half of 2021, therefore results from WWTPs discharging in these basins are not included in this report.

The data included in this report are divided into three tables, with a fourth table containing data qualifiers. The first table (Table 1a) lists all of the DEP-collected samples that contravened State Pollutant Discharge Elimination System (SPDES) limits. The second table, Table 1b, which has been added to this report for the first time, lists samples for which an exceedance could not be determined. In these instances, the method detection limit for chlorine residual (0.05 mg/L) was higher than the SPDES limit (0.03 mg/L), and was not sensitive enough to detect an exceedance above 0.03 and less than 0.05 mg/L. The third table (Table 2) is a listing of the raw data for all samples collected in this half-year period. Note that DEP's water quality samples are surveillance samples, not regulatory, and single samples that exceed limits may not constitute a true SPDES violation.

The third table of this report (Table 2) includes raw data and, as such, includes coding conventions where applicable. Parameters not detected in the effluent are indicated with a "<" sign and the reporting level. For example, settleable solids <0.10 mgL^{-1} means that the settleable solids concentration in the effluent was less than the reporting level of 0.10 mgL^{-1}. Errors occurring in the field or in the lab are noted by "Error". Fcoli code E means estimated. This report mainly tabulates effluent data; however, influent data are included and marked with an "*" in Tables 2 and 3 for the five plants that require percent removal calculations (Grand Gorge, Pine Hill, Tannersville, Grahamsville, and Margaretville).

As approved by NYSDOH, and due to the CoVID-19 pandemic, water quality monitoring reductions were made to this program from March of 2020 until September 2021.

Table 1a. DEP-collected samples that contravened SPDES limits July – December 2021.

Catskill System:

Facility	Date	Parameter	Daily Measurement	SPDES Limit
Mountain View Estates	09/22/2021	pH	4.00	6.5 SU
Mountain View Estates	09/22/2021	Ammonia	8.49	2.2 mg/L
Olive Woods LLC. (Woodstock Percussion)	11/18/2021	Flow	0.014	0.01275 MGD
Trailside at Hunter LLC (Hunter Highlands)	09/29/2021	pH	6.34	6.5 SU
Trailside at Hunter LLC (Hunter Highlands)	09/29/2021	Dissolved Oxygen	6.6	7 mg/L

Delaware System:

Facility	Date	Parameter	Daily Measurement	SPDES Limit
Delhi	09/15/2021	Temperature	79.34	70 °F
Delhi	09/15/2021	Chlorine - Effluent	0.04	0.032 mg/L
Delhi	10/20/2021	Temperature	72.68	70 °F
Walton	09/15/2021	Temperature	73.04	70 °F

East of Hudson System (Croton Falls and Cross River):

Facility	Date	Parameter	Daily Measurement	SPDES Limit

Not in operation

Table 1b. DEP-collected samples with a method detection limit above the SPDES limit July – December 2021.

Catskill System:

Facility	Date	Parameter	Daily Measurement	SPDES Limit
Hunter	09/22/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Hunter	10/13/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Hunter	11/04/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Hunter	11/10/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Hunter	12/22/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Windham	09/15/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Windham	10/07/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Windham	10/26/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Windham	11/04/2021	Chlorine - Effluent	<0.05	0.03 mg/L
Windham	12/09/2021	Chlorine - Effluent	<0.05	0.03 mg/L

Delaware System:

Facility	Date	Parameter	Daily Measurement	SPDES Limit
Delhi	10/19/2021	Chlorine - Effluent	<0.04	0.032 mg/L
Delhi	10/20/2021	Chlorine - Effluent	<0.04	0.032 mg/L
Delhi	11/23/2021	Chlorine - Effluent	<0.04	0.032 mg/L
Delhi	12/08/2021	Chlorine - Effluent	<0.04	0.032 mg/L

Table 2. Raw Data for CAT/DEL WWTP effluent samples collected January – June 2021. Influent data (*) is included for the five plants that require percent removal calculations (Grand Gorge, Pine Hill, Tannersville, Grahamsville, and Margaretville).

Catskill System

Plant	Sample Date	Flow (MGD)	BOD5 (mg/L)	CBOD5 (mg/L)	CL (mg/L)	DO (mg/L)	Fcoli (FC/100mL)	NH3 (mg/L)	NO3 (mg/L)	pH (SU)	SETSLDS (mg/L)	SUSPSLDS (mg/L)	TCR (mg/L)	Temperature (°C)	TP (mg/L)	Turbidity (NTU)	MBAS (mg/L)	TDS (mg/L)	TKN (mg/L)
Ashland WTP	9/15/2021		<3.0			8.7	<1	Error		5.95	<0.1	<1.0		18.6	0.011	<0.1			
Ashland WTP	9/15/2021							<0.20											
Ashland WTP	10/14/2021		<3.0			9.4	<1	Error		5.62	<0.1	<1.0		14.5	0.086	0.1			
Ashland WTP	10/14/2021							0.29											
Ashland WTP	11/24/2021		<3.0			10.6	<1	<0.20		6.32	Cancel	<1.0		9.5	0.025	0.1			
Ashland WTP	12/29/2021		<3.0			10.4	<1	0.43		6.16	<0.1	<1.0		8.9	0.035	0.15			
Boiceville WTP	9/15/2021														0.208				
Boiceville WTP	9/15/2021							<0.20											
Boiceville WTP	9/15/2021	0.016		<3.0		9.4	<1	Error		7.82	<0.1	<1.1		21.3	Error	0.15			
Boiceville WTP	10/6/2021														0.344				
Boiceville WTP	10/6/2021			<3.0		9.4	<1	0.22		7.42	<0.1	<1.0		20.2	Error	0.25			
Boiceville WTP	11/18/2021														0.234				
Boiceville WTP	11/18/2021	0.015		<3.0		10.5	<1	0.3		7.6	<0.1	<1.1		16	Error	0.2			
Boiceville WTP	12/15/2021	0.0037		<3.0		10.4	<1	0.2		7.18	<0.1	<1.1		14.4	Error	0.3			
Boiceville WTP	12/15/2021			<3.0				<0.20				<1.1			Error				
Boiceville WTP	12/15/2021														0.455				
Boiceville WTP	12/15/2021														0.427				
Elka Park	9/22/2021														0.414				
Elka Park	9/22/2021			<3.0		8.7	<1	<0.20		7.35	<0.1	<1.1		18.5	Error	0.1			
Elka Park	10/20/2021			<3.0		9.1	<1	<0.20		7.31	<0.1	<1.0		16.1	Error	0.15			
Elka Park	10/20/2021														0.346				
Elka Park	11/10/2021			<3.0		10.3	<1	<0.20		7.51	<0.1	<1.1		11.8	Error	0.1			
Elka Park	11/10/2021														0.256				
Elka Park	12/22/2021			<3.0		9.7	<1	<0.20		7.65	<0.1	<1.0		12.5	Error	0.1			
Elka Park	12/22/2021														0.236				
Grand Gorge*	7/6/2021			166								132							
Grand Gorge	7/6/2021			<3.0				<0.20				<1.1			0.117				
Grand Gorge	7/7/2021						<1												
Grand Gorge*	7/20/2021			<15.5								26.5							
Grand Gorge	7/20/2021			<3.0				<0.20				<1.0			0.072				
Grand Gorge	7/21/2021						<1												
Grand Gorge*	8/3/2021			134								160							
Grand Gorge	8/3/2021			<3.0				Cancel				<1.1			0.066				
Grand Gorge	8/4/2021						E17												
Grand Gorge	8/10/2021							<0.20											
Grand Gorge*	8/17/2021			109								106							
Grand Gorge	8/17/2021			<3.0				<0.20				<1.1			0.089				
Grand Gorge	8/18/2021						<1												
Grand Gorge*	9/7/2021			<40.0								52.6							

Catskill System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Grand Gorge	9/7/2021			<3.0				<0.20				<1.1			0.084				
Grand Gorge	9/8/2021						<1												
Grand Gorge*	9/21/2021			91.5								114							
Grand Gorge	9/21/2021			<3.0				Error				<1.0			0.159				
Grand Gorge	9/21/2021							<0.20											
Grand Gorge	9/22/2021						<1												
Grand Gorge*	10/5/2021			43.3								46.8							
Grand Gorge	10/5/2021			<3.0				0.59				<1.1			Error				
Grand Gorge	10/5/2021														0.249				
Grand Gorge	10/6/2021						<1												
Grand Gorge*	10/19/2021			50.2								68.1							
Grand Gorge	10/19/2021			<3.0				<0.20				<1.0			0.111				
Grand Gorge	10/20/2021						<1												
Grand Gorge*	11/3/2021			68.4								84.1							
Grand Gorge	11/3/2021			<3.0				<0.20				<1.0			0.053				
Grand Gorge	11/4/2021						<1												
Grand Gorge*	11/16/2021			76.2								78							
Grand Gorge	11/16/2021			<3.0				<0.20				<1.0			0.052				
Grand Gorge	11/17/2021						<1												
Grand Gorge*	12/7/2021			54.8								55.8							
Grand Gorge	12/7/2021			<3.0				<0.20				<1.0			0.077				
Grand Gorge	12/8/2021						<1												
Grand Gorge*	12/21/2021			60.9								75.5							
Grand Gorge	12/21/2021			<3.0				<0.20				<1.1			Error				
Grand Gorge	12/21/2021														0.023				
Grand Gorge	12/22/2021						<1												
Hunter Highlands	9/29/2021			<3.0		6.6	<1	0.2		6.34	0.1	<1.0	<0.05	15.9	0.049	0.45			
Hunter Highlands	10/13/2021														0.224				
Hunter Highlands	10/13/2021			<3.0		7.8	E1	0.2		7.73	<0.1	2.9	<0.05	16.9		1			
Hunter Highlands	11/17/2021			3.1		11.5	<1	2.07		6.72	<0.1	<1.0	<0.05	6.4	0.02	0.2			
Hunter Highlands	11/17/2021			3.8				1.96			Cancel	<1.0	<0.05		0.042				
Hunter Highlands	12/22/2021							7.69											
Hunter Highlands	12/22/2021									7.25				4.2		0.15			
Hunter Highlands	12/22/2021			4.5		10.7	<1	Error		6.56	<0.1	<1.0	<0.05	3.8	0.024	0.4			
Hunter Highlands	12/22/2021							7.27											
Hunter Highlands	12/22/2021			4.3				Error			<0.1	<1.1	<0.05		0.02				
Hunter WTP	9/22/2021		<3.0			8.8	<1	<0.20		6.93	<0.1	<1.0	<0.05	19.6	0.018	0.25			
Hunter WTP	10/13/2021		<3.0			9.3	E3	<0.20		7.01	<0.1	<1.0	<0.05	17.9	0.015	0.3			
Hunter WTP	10/26/2021									6.71				15.9		0.1			

Catskill System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Hunter WTP	11/4/2021		<3.0					<0.20				<1.1	<0.05		0.013				
Hunter WTP	11/10/2021		<3.0			10.2	<1	<0.20		6.62	<0.1	<1.0	<0.05	13.7	0.014	0.15			
Hunter WTP	12/22/2021		3			10.7	E7	1.03		6.99	<0.1	<1.0	<0.05	9.5	0.012	0.2			
Mountain View	9/22/2021			<3.0		8.1	<1	Error		4	<0.1	<1.0		22.4	0.079	0.3			
Mountain View	9/22/2021							8.49											
Olive Woods	9/15/2021	0.0012		<3.0		8.9	<1	Error		7.91	<0.1	<1.0		20.7	<0.003	<0.1			
Olive Woods	9/15/2021							<0.20											
Olive Woods	10/6/2021	0.0078		<3.0		9.4	E1	0.23		7.96	<0.1	<1.0		17.7	<0.003	0.1			
Olive Woods	11/18/2021	0.014		<3.0		9.7	<1	<0.20		7.95	<0.1	<1.1		15.5	0.004	0.1			
Olive Woods	12/22/2021			<3.0		10.5	<1	<0.20		7.81	<0.1	<1.1		11.1	0.003	0.1			
Pine Hill*	7/6/2021		118									97.3							
Pine Hill	7/6/2021		<3.0					<0.20				<1.1			0.026				
Pine Hill	7/7/2021						<1												
Pine Hill*	7/20/2021		75.5									160							
Pine Hill	7/20/2021		<3.0					<0.20				<1.0			0.017				
Pine Hill	7/21/2021						<1												
Pine Hill*	8/3/2021		92.6									45.6							
Pine Hill	8/3/2021		<3.0					Cancel				<1.1			0.016				
Pine Hill	8/4/2021						<1												
Pine Hill	8/10/2021							<0.20											
Pine Hill*	8/17/2021		140									147							
Pine Hill	8/17/2021		<3.0					<0.20				<1.1			0.022				
Pine Hill	8/18/2021						<1												
Pine Hill*	9/7/2021		82.2									54.5							
Pine Hill	9/7/2021		<3.0					<0.20				<1.1			0.019				
Pine Hill	9/8/2021						<1												
Pine Hill	9/21/2021							<0.20											
Pine Hill*	9/21/2021		115									40.3							
Pine Hill	9/21/2021		<3.0					Error				<1.0			0.023				
Pine Hill	9/22/2021						<1												
Pine Hill	10/5/2021		<3.0					<0.20				<1.0			0.029				
Pine Hill*	10/5/2021		51.9									51.2							
Pine Hill	10/6/2021						<1												
Pine Hill*	10/19/2021		109									191							
Pine Hill	10/19/2021		<3.0					<0.20				<1.0			0.026				
Pine Hill	10/20/2021						<1												
Pine Hill*	11/3/2021		30.5									27.3							
Pine Hill	11/3/2021		<3.0					<0.20				<1.0			0.012				
Pine Hill	11/4/2021						<1												

Catskill System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Pine Hill*	11/16/2021		33.7									38.5							
Pine Hill	11/16/2021		<3.0					<0.20				<1.0			0.016				
Pine Hill	11/17/2021						<1												
Pine Hill*	12/7/2021		115									71.3							
Pine Hill	12/7/2021		<3.0					<0.20				<1.1			0.012				
Pine Hill	12/8/2021						<1												
Pine Hill*	12/21/2021		79.1									70							
Pine Hill	12/21/2021		<3.0					<0.20				<1.0			0.006				
Pine Hill	12/21/2021														0.006				
Pine Hill	12/22/2021						<1												
Prattsville WTP	9/15/2021			<3.0		6.6	<1			6.99	<0.1	<1.0		20.9	0.039	0.15			0.82
Prattsville WTP	10/7/2021			<3.0		5.9	<1			7.03	<0.1	<1.0		19.8	0.171	0.15			0.9
Prattsville WTP	10/26/2021									6.78				25.1		0.15			
Prattsville WTP	11/4/2021			<3.0								<1.0			0.058				1
Prattsville WTP	11/4/2021			<3.0		4.4	<1			6.93	<0.1	<1.0		17.1	0.06	0.15			0.91
Prattsville WTP	12/9/2021			<3.0		6.6	<1			7.1	<0.1	<1.0		15.4	0.07	0.15			0.93
Tannersville*	7/6/2021			141								184							
Tannersville	7/6/2021			<3.0				<0.20				<1.1			0.084				
Tannersville	7/7/2021						<1												
Tannersville*	7/20/2021			126								145							
Tannersville	7/20/2021			<3.0				0.22				<1.1			0.054				
Tannersville	7/21/2021						<1												
Tannersville*	8/3/2021			141								182							
Tannersville	8/3/2021			<3.0				Cancel				<1.1			0.059				
Tannersville	8/4/2021						<1												
Tannersville	8/10/2021							<0.20											
Tannersville*	8/17/2021			224								187							
Tannersville	8/17/2021			<3.0				<0.20				<1.0			Error				
Tannersville	8/17/2021														0.254				
Tannersville	8/18/2021						<1												
Tannersville*	9/7/2021			125								204							
Tannersville	9/7/2021			<3.0				<0.20				<1.1			0.042				
Tannersville	9/8/2021						<1												
Tannersville	9/21/2021							<0.20											
Tannersville*	9/21/2021			78.2								103							
Tannersville	9/21/2021			<3.0				Error				<1.1			0.045				
Tannersville	9/22/2021						<1												
Tannersville*	10/5/2021			46.7								47.9							
Tannersville	10/5/2021			<3.0				<0.20				<1.1			0.066				

Catskill System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Tannersville	10/6/2021						<1												
Tannersville*	10/19/2021			62.9								28.6							
Tannersville	10/19/2021			<3.0				<0.20				<1.1			0.064				
Tannersville	10/20/2021						E10												
Tannersville*	11/3/2021			85.5								74							
Tannersville	11/3/2021			<3.0				<0.20				<1.0			0.045				
Tannersville	11/4/2021						<1												
Tannersville*	11/16/2021			61								46.7							
Tannersville	11/16/2021			<3.0				<0.20				<1.1			0.047				
Tannersville	11/17/2021						<1												
Tannersville*	12/7/2021			74								84.5							
Tannersville	12/7/2021			<3.0				<0.20				<1.1			0.11				
Tannersville	12/8/2021						<1												
Tannersville*	12/21/2021			106								129							
Tannersville	12/21/2021			<3.0				<0.20				<1.1			Error				
Tannersville	12/21/2021														0.093				
Tannersville	12/22/2021						<1												
Windham WTP	9/15/2021							<0.20											
Windham WTP	9/15/2021			<3.0		8.9	<1	Error		6.95	<0.1	<1.1	<0.05	18.9	0.011	0.25			Cancel
Windham WTP	9/30/2021																		0.6
Windham WTP	10/7/2021			<3.0		9.2	<1	<0.20		6.59	<0.1	<1.1	<0.05	17	0.014	0.2			0.56
Windham WTP	10/26/2021			<3.0				<0.20				<1.0	<0.05		0.031				0.82
Windham WTP	11/4/2021		<3.0			10.0	<1			7.28	<0.1	<1.0	<0.05	11.9	0.019	0.7			
Windham WTP	12/7/2021									6.31				10.1		0.7			
Windham WTP	12/9/2021		<3.0			11.1	<1			6.71	<0.1	<1.0	<0.05	7.5	0.017	0.15			
Windham WTP	12/16/2021		<3.0									2.5	Cancel		0.047				

Delaware System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Andes	9/15/2021	0.019	<3.0			8.8	<1	Error		7.63	<0.1	<1.1		18.8	0.065	<0.1			
Andes	9/15/2021							<0.20											
Andes	9/27/2021									7.12				17.4		<0.1			
Andes	10/19/2021		<3.0					<0.20			<0.1	<1.0			0.041	0.1			
Andes	10/20/2021		<3.0			9.3	<1	<0.20		7.36	<0.1	<1.0		16.3	0.034	0.25			
Andes	11/23/2021		<3.0			10.2	<1	<0.20		7.59	<0.1	<1.0		12.1	0.023	0.1			
Andes	12/8/2021		<3.0			10.5	<1	<0.20		7.47	<0.1	<1.0		11	0.019	0.4			
Delhi	9/15/2021	0.663		<3.0		6.1	<1	Error		7.34	<0.1	<1.0	0.04	26.3	0.028	0.3			0.74
Delhi	9/15/2021							<0.20											
Delhi	10/19/2021			<3.0				<0.20			<0.1	2	<0.04		0.021	0.45			0.77
Delhi	10/20/2021			<3.0		6.6	E65	<0.20		7.69	<0.1	<1.0	<0.04	22.6	0.019	0.2			0.69
Delhi	11/23/2021			<3.0		7.8	<1	<0.20		7.65	<0.1	<1.0	<0.04	17.6	0.012	0.25			0.58
Delhi	12/8/2021			<3.0		8.4	<1	<0.20		7.67	<0.1	<1.1	<0.04	16.1	0.016	0.3			0.66
Fleischmanns	9/8/2021	0.057		<3.0		8.8	<1	<0.20		7.4	<0.1	<1.0	<0.04	17.6	0.031	0.1			
Fleischmanns	9/28/2021	0								6.96				16.9		0.2			
Fleischmanns	10/6/2021			<3.0		9.7	<1	<0.20		7.31	<0.1	<1.0	0.04	16.3	0.041	0.2			
Fleischmanns	10/19/2021			<3.0				<0.20			<0.1	<1.0	<0.04		0.059	0.25			
Fleischmanns	11/23/2021			<3.0		9.3	<1	<0.20		7.29	<0.1	<1.0	<0.04	11.9	0.021	0.3			
Fleischmanns	12/1/2021			<3.0		11.1	<1	<0.20		7.1	<0.1	<1.1	<0.04	9.7	<0.003	0.3			
Grahamsville*	7/6/2021			93.2								149							
Grahamsville	7/6/2021			<3.0				<0.20				<1.0			0.072				
Grahamsville	7/6/2021						<1												
Grahamsville*	8/3/2021			129								90.4							
Grahamsville	8/3/2021			<3.0				<0.20				<1.1			0.051				
Grahamsville	8/3/2021						<1												
Grahamsville*	9/8/2021			82.3								107							
Grahamsville	9/8/2021			<3.0				<0.20				<1.1			0.059				
Grahamsville	9/8/2021						<1												
Grahamsville*	10/6/2021			80.4								106							
Grahamsville	10/6/2021			<3.0				<0.20				<1.2			Error				
Grahamsville	10/6/2021														0.364				
Grahamsville	10/6/2021						<1												
Grahamsville*	11/3/2021			74.6								57							
Grahamsville	11/3/2021			<3.0				<0.20				2.8			0.09				
Grahamsville	11/3/2021						<1												
Grahamsville	11/9/2021									7.13				15.2		0.1			
Grahamsville*	12/1/2021			112								133							
Grahamsville	12/1/2021			<3.0				0.22				<1.2			0.103				
Grahamsville	12/1/2021						<1												

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Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Hanah Country Inn and Golf Resort	9/15/2021	0.004				7.7				7.23		<1.0		19.2	Error				
Hanah Country Inn and Golf Resort	9/15/2021														0.227				
Hanah Country Inn and Golf Resort	10/20/2021					6.5				7.46		<1.0		15.6	0.182				
Hanah Country Inn and Golf Resort	11/23/2021					7.6				7.37		<1.0		9.6	0.099				
Hanah Country Inn and Golf Resort	12/8/2021					7.0				7.4		<1.0		8.6	0.196				
Hobart	9/8/2021	0.107		<3.0		6.9	<1	<0.20		6.97	<0.1	<1.0		19.7	0.009	<0.1		410	
Hobart	10/6/2021			<3.0		8.7	E2	<0.20		7.27	<0.1	<1.1		18.5	0.007	0.1		470	
Hobart	10/19/2021			<3.0				<0.20			<0.1	<1.0			0.01	0.15		490	
Hobart	11/3/2021			<3.0		8.5	<1	<0.20		6.56	<0.1	<1.0		15.6	0.013	0.1		370	
Hobart	12/1/2021			<3.0		9.2	<1	<0.20		6.58	<0.1	<1.1		12.1	Error	0.3		470	
Hobart	12/1/2021														0.008				
Margaretville*	7/6/2021			165								259							
Margaretville	7/6/2021			<3.0				<0.20				2.2			0.168				
Margaretville	7/7/2021						<1												
Margaretville*	7/20/2021			108								188							
Margaretville	7/20/2021			<3.0				<0.20				<1.1			0.139				
Margaretville	7/21/2021						<1												
Margaretville*	8/3/2021			202								267							
Margaretville	8/3/2021			<3.0				Cancel				<1.1			0.102				
Margaretville	8/4/2021						<1												
Margaretville	8/10/2021							<0.20											
Margaretville*	8/17/2021			256								500							
Margaretville	8/17/2021			<3.0				<0.20				<1.1			0.109				
Margaretville	8/18/2021						<1												
Margaretville*	9/7/2021			132								130							
Margaretville	9/7/2021			<3.0				<0.20				<1.0			0.125				
Margaretville	9/8/2021						<1												
Margaretville*	9/21/2021			148								198							
Margaretville	9/21/2021			<3.0				Error				<1.1			Error				
Margaretville	9/21/2021							<0.20											
Margaretville	9/21/2021														0.202				
Margaretville	9/22/2021						<1												
Margaretville*	10/5/2021			68.8								100							
Margaretville	10/5/2021			<3.0				<0.20				<1.1			Error				
Margaretville	10/5/2021														0.217				
Margaretville	10/6/2021						<1												
Margaretville*	10/19/2021			112								189							
Margaretville	10/19/2021			<3.0				<0.20				<1.1			0.172				
Margaretville	10/20/2021						<1												

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Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Margaretville*	11/3/2021			134								445							
Margaretville	11/3/2021			<3.0				<0.20				<1.1			0.109				
Margaretville	11/4/2021						<1												
Margaretville*	11/16/2021			81.3								105							
Margaretville	11/16/2021			<3.0				<0.20				1.8			0.071				
Margaretville	11/17/2021						<1												
Margaretville*	12/7/2021			110								130							
Margaretville	12/7/2021			<3.0				<0.20				<1.1			0.079				
Margaretville	12/8/2021						<1												
Margaretville*	12/21/2021			219								194							
Margaretville	12/21/2021			4.2				<0.20				<1.1			0.059				
Margaretville	12/21/2021														0.058				
Margaretville	12/22/2021						<1												
Mountainside Farms	9/8/2021	0.052	<3.0		335	6.8			Error	7.38		<1.1		28.4	0.179	0.15	<0.1		
Mountainside Farms	9/8/2021								19.98										
Mountainside Farms	10/6/2021		<3.0		270	7.3			6.19	7.73		<1.0		25.8	0.022	0.15	<0.1		
Mountainside Farms	10/19/2021		<3.0		254				Error			<1.1			0.098	0.25	0.14		
Mountainside Farms	10/19/2021								14.24										
Mountainside Farms	11/3/2021		<3.0		244	8.2			1.36	7.68		<1.0		19.8	0.058	0.2	<0.1		
Mountainside Farms	12/1/2021		<3.0		276	9.0			0.31	7.87		<1.1		15.5	0.066	0.35	<0.1		
Robert W. Harold Campus	9/15/2021	0.005		<3.0		7.8	<1	Error		7.72	<0.1	2.6		21.7	0.024	0.15		1200	
Robert W. Harold Campus	9/15/2021							0.33											
Robert W. Harold Campus	10/20/2021			<3.0		6.3	<1	<0.20		7.55	<0.1	<1.0		18	0.069	0.1		1100	
Robert W. Harold Campus	11/23/2021			<3.0		8.0	<1	<0.20		7.6	<0.1	<1.0		19.7	0.066	0.1		1000	
Robert W. Harold Campus	12/8/2021			<3.0		7.1	<1	0.23		7.47	<0.1	<1.0		22.1	0.047	0.45		1200	
Roxbury	9/8/2021			<3.0		8.6	<1	<0.20		7.53	<0.1	<1.1	<0.04	18.3	0.178	0.6			
Roxbury	10/6/2021			<3.0		9.1	<1	<0.20		7.55	<0.1	<1.0	<0.04	16.6	0.149	0.35			
Roxbury	11/3/2021			<3.0		10.0	<1	<0.20		7.52	<0.1	<1.0	<0.04	12.5	0.108	0.3			
Roxbury	12/1/2021			<3.0		11.2	<1	Error		7.49	<0.1	<1.0	<0.04	6.9	0.077	0.35			
Roxbury	12/1/2021							<0.20											
Stamford	9/8/2021	0.331		3		8.5	E4	<0.20		7	<0.1	<1.0	<0.04	17.6	0.015	0.1			<1
Stamford	9/28/2021									7.11				16.1		0.15			
Stamford	10/6/2021			<3.0		7.9	<1	<0.20		7.11	<0.1	<1.1	<0.04	16.8	0.015	0.35			0.46
Stamford	10/19/2021			5.2				<0.20			<0.1	<1.0	<0.04		0.016	0.6			0.97
Stamford	11/3/2021			<3.0		9.6	<1	<0.20		7.08	<0.1	<1.1	<0.04	14	0.01	0.2			0.53
Stamford	12/1/2021			<3.0		9.6	E2	<0.20		6.95	<0.1	<1.1	<0.04	11.4	0.016	0.45			0.53
Stamford	12/21/2021									7.15				8.6		0.15			
Walton	9/15/2021	1.59		<3.0		8.2	<1	Error		7.33	<0.1	<1.0	<0.04	22.8	0.013	0.15			0.68
Walton	9/15/2021							<0.20											

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Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Walton	10/19/2021			<3.0				<0.20			<0.1	<1.0	<0.04		0.015	0.4			0.82
Walton	10/20/2021			<3.0		8.6	<1	<0.20		7.19	<0.1	<1.0	<0.04	19.9	0.011	0.1			0.62
Walton	11/23/2021			<3.0		9.5	<1	<0.20		7.31	<0.1	<1.0	<0.04	15.6	0.012	0.2			0.65
Walton	12/8/2021			<3.0		9.4	<1	<0.20		7.19	<0.1	<1.0	<0.04	15.7	0.009	0.4			0.46

Table 3. Data Qualifiers - Influent samples are noted with an asterisk for those sites which require percent removal calculations (Grand Gorge, Pine Hill, Tannersville, Grahamsville, and Margaretville).

Plant	Analyte	Sample Date	Sample ID	Qualifier
Ashland WTP	pH	2021-09-15	K-2103300-03	Instrument calibrated with an incorrect temperature compensation value. Ph 7 calibrated to 7.03 instead of 7.02.
Ashland WTP	Ammonia (as NH3)	2021-09-15	K-2103300-03	Analytical procedure error. QCS not every 10 samples.
Ashland WTP	Ammonia (as NH3)	2021-10-14	K-2103832-03	Analytical procedure error. No sample was drawn, sample rack was not positioned correctly.
Ashland WTP	Solids, Settleable	2021-11-24	K-2104510-02	Analysis omitted by error. Sampler left bottle at plant. .
Ashland WTP	Turbidity	2021-11-24	K-2104510-04	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Boiceville WTP	Solids, Settleable	2021-09-15	K-2103313-02	Result obtained from approximately 950 mL, not the required 1 L.
Boiceville WTP	Phosphorus, Total (as P)	2021-09-15	K-2103313-02	Data reanalyzed due to result above calibration range.
Boiceville WTP	Ammonia (as NH3)	2021-09-15	K-2103313-02	Sample was collected in a round 125mL bottle, instead of a square 500mL bottle.
Boiceville WTP	Ammonia (as NH3)	2021-09-15	K-2103313-02	Analytical procedure error. QCS not every 10 samples.
Boiceville WTP	Turbidity	2021-10-06	K-2103658-05	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Boiceville WTP	Phosphorus, Total (as P)	2021-10-06	K-2103658-02	Data reanalyzed due to result above calibration range.
Boiceville WTP	Phosphorus, Total (as P)	2021-11-18	K-2104391-02	Data reanalyzed due to result above calibration range.
Boiceville WTP	Solids, Settleable	2021-11-18	K-2104391-02	No duplicate associated with this sample.
Boiceville WTP	Solids, Settleable	2021-11-18	K-2104391-02	Result obtained from approximately 980 mL, not the required 1 L.
Boiceville WTP	Temperature	2021-12-15	K-2104789-02	The duplicate analysis was not within the control limits.
Boiceville WTP	Solids, Settleable	2021-12-15	K-2104789-02	Result obtained from 980 mL, not the required 1 L.
Boiceville WTP	Solids, Settleable	2021-12-15	K-2104789-02	No duplicate associated with this sample.
Boiceville WTP	Phosphorus, Total (as P)	2021-12-15	K-2104725-01	Data reanalyzed due to result above calibration range.
Boiceville WTP	Phosphorus, Total (as P)	2021-12-15	K-2104789-02	Data reanalyzed due to result above calibration range.
Boiceville WTP	Ammonia (as NH3)	2021-12-15	K-2104789-02	Sample was collected in a 125 mL bottle, not the usual 500 mL.
Boiceville WTP	CBOD	2021-12-15	K-2104725-01	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, is satisfactory.
Boiceville WTP	CBOD	2021-12-15	K-2104789-02	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, is satisfactory.
Elka Park	Phosphorus, Total (as P)	2021-09-22	K-2103414-02	Data reanalyzed due to result above calibration range.
Elka Park	Turbidity	2021-09-22	K-2103414-06	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Elka Park	Turbidity	2021-10-20	K-2103899-03	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation. Analyzed on the following day of collection.
Elka Park	Phosphorus, Total (as P)	2021-10-20	K-2103899-01	Data reanalyzed due to result above calibration range.
Elka Park	Solids, Settleable	2021-11-10	K-2104226-02	Result obtained from approximately 950 mL, not the required 1 L.
Elka Park	Phosphorus, Total (as P)	2021-11-10	K-2104226-02	Data reanalyzed due to result above calibration range.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Elka Park	Phosphorus, Total (as P)	2021-12-22	K-2104900-02	Data reanalyzed due to result above calibration range.
Grand Gorge*	CBOD	2021-07-20	K-2102242-04	No sample dilutions met the criteria for a result. Less than value assigned for this influent sample.
Grand Gorge	Phosphorus, Total (as P)	2021-07-20	K-2102242-05	No Matrix Spike and Matrix Spike Duplicate analyzed with sample.
Grand Gorge	Ammonia (as NH3)	2021-08-03	K-2102487-05	Bottle label issue. Incorrect bottle type for this analysis.
Grand Gorge*	CBOD	2021-09-07	K-2102857-04	No sample dilutions met the criteria for a result. Less than value assigned for this influent sample.
Grand Gorge	Ammonia (as NH3)	2021-09-21	K-2103180-05	Analytical procedure error. QCS not every 10 samples.
Grand Gorge	Phosphorus, Total (as P)	2021-10-05	K-2103411-05	Data reanalyzed due to result above calibration range.
Grand Gorge	Phosphorus, Total (as P)	2021-10-05	K-2103411-05B	Data are atypical: the total concentration has been found to be less than contributing dissolved fractions.
Grand Gorge	CBOD	2021-12-07	K-2104382-05	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Grand Gorge*	CBOD	2021-12-07	K-2104382-04	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Grand Gorge	Phosphorus, Total (as P)	2021-12-21	K-2104639-05	Equipment failure. Analysis equipment (pump) failure.
Hunter Highlands	Turbidity	2021-09-29	K-2103545-04	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Hunter Highlands	Turbidity	2021-10-13	K-2103740-07	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation. Samples analyzed on the following day of collection.
Hunter Highlands	Phosphorus, Total (as P)	2021-10-13	K-2103740-05	Data reanalyzed due to result above calibration range.
Hunter Highlands	Coliform, Fecal	2021-10-13	K-2103740-05	The duplicate analysis was not within the control limits. Duplicate plate was inexplicably populated, pn the verge of being confluent.
Hunter Highlands	Solids, Settleable	2021-10-13	K-2103740-05	Result obtained from approximately 950 mL, not the required 1 L.
Hunter Highlands	Ammonia (as NH3)	2021-12-22	K-2104768-02	Data reanalyzed due to result above calibration range.
Hunter Highlands	Solids, Settleable	2021-11-17	K-2104381-01	Analysis omitted by error. Sample not collected.
Hunter Highlands	Solids, Settleable	2021-12-22	K-2104768-01	Result obtained from 960 mL, not the required 1 L.
Hunter Highlands	Ammonia (as NH3)	2021-12-22	K-2104768-01	Data reanalyzed due to result above calibration range.
Hunter WTP	Turbidity	2021-09-22	K-2103414-08	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Hunter WTP	Turbidity	2021-10-13	K-2103740-06	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation. Samples analyzed on the following day of collection.
Hunter WTP	Solids, Settleable	2021-10-13	K-2103740-03	Result obtained from approximately 950 mL, not the required 1 L.
Hunter WTP	Phosphorus, Total (as P)	2021-11-04	K-2104013-01	This sample was not preserved within 15 minutes of sample collection.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Hunter WTP	Ammonia (as NH3)	2021-11-04	K-2104013-01	This sample was not preserved within 15 minutes of sample collection.
Hunter WTP	Solids, Total Suspended	2021-12-22	K-2104900-04	The duplicate analysis was not within the control limits.
Margaretville	Solids, Total Suspended	2021-07-06	K-2102009-10	The duplicate analysis was not within the control limits.
Margaretville	Phosphorus, Total (as P)	2021-07-20	K-2102242-10	No Matrix Spike and Matrix Spike Duplicate analyzed with sample.
Margaretville	Ammonia (as NH3)	2021-08-03	K-2102487-10	Bottle label issue. Incorrect bottle type for this analysis.
Margaretville	Phosphorus, Total (as P)	2021-09-21	K-2103180-10	Data reanalyzed due to result above calibration range.
Margaretville	Ammonia (as NH3)	2021-09-21	K-2103180-10	Analytical procedure error. QCS not every 10 samples.
Margaretville	Phosphorus, Total (as P)	2021-10-05	K-2103411-10	Data reanalyzed due to result above calibration range.
Margaretville	CBOD	2021-12-07	K-2104382-10	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Margaretville*	CBOD	2021-12-07	K-2104382-09	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Margaretville	Phosphorus, Total (as P)	2021-12-21	K-2104639-10A	Sample rerun unintentionally. Both original and retested results are valid.
Mountain View	Ammonia (as NH3)	2021-09-22	K-2103414-03	Data reanalyzed due to result above calibration range.
Mountain View	Turbidity	2021-09-22	K-2103414-07	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Olive Woods	Ammonia (as NH3)	2021-09-15	K-2103313-01	Sample was collected in a round 125mL bottle, instead of a square 500mL bottle.
Olive Woods	Ammonia (as NH3)	2021-09-15	K-2103313-01	Analytical procedure error. QCS not every 10 samples.
Olive Woods	Turbidity	2021-10-06	K-2103658-04	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Olive Woods	Solids, Settleable	2021-11-18	K-2104391-01	No duplicate associated with this sample.
Pine Hill	Phosphorus, Total (as P)	2021-07-20	K-2102242-12	No Matrix Spike and Matrix Spike Duplicate analyzed with sample.
Pine Hill	Ammonia (as NH3)	2021-08-03	K-2102487-12	Bottle label issue. Incorrect bottle type for this analysis.
Pine Hill	Ammonia (as NH3)	2021-09-21	K-2103180-12	Analytical procedure error. QCS not every 10 samples.
Pine Hill	BOD	2021-12-07	K-2104382-12	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Pine Hill	Phosphorus, Total (as P)	2021-12-21	K-2104639-12A	Sample rerun unintentionally. Both original and retested results are valid.
Pine Hill*	BOD	2021-07-20	K-2102242-07	Difference between two acceptable sample results greater than 30%.
Pine Hill*	BOD	2021-12-07	K-2104382-07	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Pine Hill*	BOD	2021-12-07	K-2104382-07	Sample associated with a duplicate that had replicate results >30% difference.
Prattsville WTP	pH	2021-09-15	K-2103300-02	Instrument calibrated with an incorrect temperature compensation value. Ph 7 calibrated to 7.03 instead of 7.02.
Prattsville WTP	Total Kjeldahl Nitrogen	2021-09-15	K-2103300-02	Result greater than the MRL.
Prattsville WTP	Turbidity	2021-10-07	K-2103659-06	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Prattsville WTP	Total Kjeldahl Nitrogen	2021-10-07	K-2103659-02	Sample was not received on wet ice.
Prattsville WTP	Total Kjeldahl Nitrogen	2021-12-09	K-2104705-02	The spike analysis was not within the control limits. Matrix spike recovery was high; the associated blank spike recovery was acceptable.
Prattsville WTP	CBOD	2021-12-09	K-2104705-02	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Tannersville	Phosphorus, Total (as P)	2021-07-20	K-2102242-02	No Matrix Spike and Matrix Spike Duplicate analyzed with sample.
Tannersville	Ammonia (as NH3)	2021-08-03	K-2102487-02	Bottle label issue. Incorrect bottle type for this analysis.
Tannersville	Phosphorus, Total (as P)	2021-08-17	K-2102688-02	Data reanalyzed due to result above calibration range.
Tannersville	Ammonia (as NH3)	2021-09-21	K-2103180-02	Analytical procedure error. QCS not every 10 samples.
Tannersville	CBOD	2021-12-07	K-2104382-02	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Tannersville*	CBOD	2021-12-07	K-2104382-01	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Tannersville	Phosphorus, Total (as P)	2021-12-21	K-2104639-02	Equipment failure. Analysis equipment (pump) failure.
Windham WTP	Solids, Settleable	2021-09-15	K-2103300-01	Result obtained from 950 mL, not the required 1 L.
Windham WTP	pH	2021-09-15	K-2103300-01	Instrument calibrated with an incorrect temperature compensation value. Ph 7 calibrated to 7.03 instead of 7.02.
Windham WTP	Ammonia (as NH3)	2021-09-15	K-2103300-01	Analytical procedure error. QCS not every 10 samples.
Windham WTP	Total Kjeldahl Nitrogen	2021-09-30	K-2103603-01	Result greater than the MRL.
Windham WTP	Turbidity	2021-10-07	K-2103659-05	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Windham WTP	Total Kjeldahl Nitrogen	2021-10-07	K-2103659-01	Sample was not received on wet ice.
Windham WTP	Ammonia (as NH3)	2021-10-26	K-2103900-01	This sample was not preserved within 15 minutes of sample collection.
Windham WTP	Phosphorus, Total (as P)	2021-10-26	K-2103900-01	This sample was not preserved within 15 minutes of sample collection.
Windham WTP	Total Kjeldahl Nitrogen	2021-10-26	K-2103900-01	This sample was not preserved within 15 minutes of sample collection.
Windham WTP	Total Kjeldahl Nitrogen	2021-10-26	K-2103900-01	The sample was not recieved on wet ice
Windham WTP	Ammonia (as NH3)	2021-10-26	K-2103900-01	This sample was not preserved within 15 minutes of sample collection. Private composite sample.
Windham WTP	Phosphorus, Total (as P)	2021-10-26	K-2103900-01	This sample was not preserved within 15 minutes of sample collection. Private composite sample.
Windham WTP	BOD	2021-12-09	K-2104705-01	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Windham WTP	BOD	2021-12-16	K-2104682-01	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, is satisfactory.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Andes	Turbidity	2021-09-15	G-2103244-10	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation. Corrected qualifier status.
Andes	Ammonia (as NH3)	2021-09-15	G-2103244-03	Analytical procedure error. QCS not every 10 samples.
Andes	Solids, Settleable	2021-10-19	G-2103783-03	Result obtained from approximately 950 mL, not the required 1 L.
Andes	Turbidity	2021-10-19	G-2103783-08	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Andes	Turbidity	2021-10-20	G-2103731-09	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Andes	Solids, Settleable	2021-11-23	G-2104430-03	Result obtained from approximately 980 mL, not the required 1 L.
Andes	Solids, Settleable	2021-12-08	G-2104574-03	Result obtained from 980 mL, not the required 1 L.
Andes	BOD	2021-12-08	G-2104574-03	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Delhi	Turbidity	2021-09-15	G-2103244-09	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation. Corrected qualifier status.
Delhi	Solids, Settleable	2021-09-15	G-2103244-02	Result obtained from 970 mL, not the required 1 L.
Delhi	Ammonia (as NH3)	2021-09-15	G-2103244-02	Analytical procedure error. QCS not every 10 samples.
Delhi	Total Kjeldahl Nitrogen	2021-09-15	G-2103244-02	Samples did not meet sample acceptance criteria upon receipt at contract lab.
Delhi	Solids, Settleable	2021-10-19	G-2103783-01	Result obtained from approximately 950 mL, not the required 1 L.
Delhi	Turbidity	2021-10-19	G-2103783-06	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Delhi	Turbidity	2021-10-20	G-2103731-08	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Delhi	Total Kjeldahl Nitrogen	2021-10-20	G-2103731-02	Samples did not meet sample acceptance criteria upon receipt at contract lab.
Delhi	Solids, Settleable	2021-10-20	G-2103731-02	Result obtained from approximately 950 mL, not the required 1 L.
Delhi	CBOD	2021-12-08	G-2104574-02	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Fleischmanns	Turbidity	2021-09-08	G-2102950-12	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Fleischmanns	Ammonia (as NH3)	2021-09-08	G-2102950-05	Ammonia sample was not poured off from inturm container.
Fleischmanns	Solids, Settleable	2021-09-08	G-2102950-05	Result obtained from approximately 980 mL, not the required 1 L.
Fleischmanns	Solids, Settleable	2021-10-06	G-2103657-05	No duplicate associated with this sample.
Fleischmanns	Turbidity	2021-10-06	G-2103657-13	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Fleischmanns	Turbidity	2021-10-06	G-2103657-05	The samples were accidentally left in the water bath overnight
Fleischmanns	Solids, Settleable	2021-10-19	G-2103839-02	Result obtained from approximately 950 mL, not the required 1 L.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Fleischmanns	Turbidity	2021-10-19	G-2103839-06	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Fleischmanns	CBOD	2021-12-01	G-2104470-05	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Grahamsville	Phosphorus, Total (as P)	2021-10-06	G-2103501-02	Data reanalyzed due to result above calibration range.
Grahamsville	CBOD	2021-12-01	G-2104369-02	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Grahamsville*	CBOD	2021-12-01	G-2104369-01	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Hanah Country Inn and Golf Resort	Phosphorus, Total (as P)	2021-09-15	G-2103244-05	Data reanalyzed due to result above calibration range.
Hobart	Turbidity	2021-09-08	G-2102950-09	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Hobart	Solids, Settleable	2021-10-06	G-2103657-02	No duplicate associated with this sample.
Hobart	Turbidity	2021-10-06	G-2103657-09	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Hobart	Turbidity	2021-10-06	G-2103657-02	The samples were accidentally left in the water bath overnight
Hobart	Solids, Settleable	2021-10-19	G-2103783-02	Result obtained from approximately 950 mL, not the required 1 L.
Hobart	Turbidity	2021-10-19	G-2103783-07	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Hobart	Solids, Settleable	2021-11-03	G-2104009-02	Result obtained from approximately 950 mL, not the required 1 L.
Hobart	Solids, Settleable	2021-12-01	G-2104470-02	Result obtained from 960 mL, not the required 1 L.
Hobart	Phosphorus, Total (as P)	2021-12-01	G-2104470-02	Air spike or irregular peak; sample reanalyzed.
Hobart	CBOD	2021-12-01	G-2104470-02	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Mountainside Farms	Turbidity	2021-09-08	G-2102950-11	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Mountainside Farms	Nitrate (as N)	2021-09-08	G-2102950-04	Data reanalyzed due to result above calibration range.
Mountainside Farms	Turbidity	2021-10-06	G-2103657-12	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Mountainside Farms	Turbidity	2021-10-06	G-2103657-04	The samples were accidentally left in the water bath overnight
Mountainside Farms	Turbidity	2021-10-19	G-2103839-05	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Mountainside Farms	Nitrate (as N)	2021-10-19	G-2103839-01	Data reanalyzed due to result above calibration range.
Mountainside Farms	BOD	2021-12-01	G-2104470-04	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Robert W. Harold Campus	Turbidity	2021-09-15	G-2103244-08	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation. Corrected qualifier status.
Robert W. Harold Campus	Ammonia (as NH3)	2021-09-15	G-2103244-01	Analytical procedure error. QCS not every 10 samples.
Robert W. Harold Campus	Solids, Total Dissolved	2021-09-15	G-2103244-01	Target analyte detected in blank at or above method acceptance criteria.
Robert W. Harold Campus	Solids, Total Dissolved	2021-09-15	G-2103244-01	Samples did not meet sample acceptance criteria upon receipt at contract lab.
Robert W. Harold Campus	Turbidity	2021-10-20	G-2103731-07	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Robert W. Harold Campus	Solids, Total Dissolved	2021-10-20	G-2103731-01	Samples did not meet sample acceptance criteria upon receipt at contract lab.
Robert W. Harold Campus	CBOD	2021-12-08	G-2104574-01	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Roxbury	Turbidity	2021-09-08	G-2102950-10	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Roxbury	Solids, Settleable	2021-09-08	G-2102950-03	Result obtained from approximately 950 mL, not the required 1 L.
Roxbury	Solids, Settleable	2021-10-06	G-2103657-03	No duplicate associated with this sample.
Roxbury	Turbidity	2021-10-06	G-2103657-10	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Roxbury	Turbidity	2021-10-06	G-2103657-03	The samples were accidentally left in the water bath overnight
Roxbury	Ammonia (as NH3)	2021-12-01	G-2104470-03A	The duplicate analysis was not within the control limits.
Roxbury	Ammonia (as NH3)	2021-12-01	G-2104470-03	QC failed.
Roxbury	CBOD	2021-12-01	G-2104470-03	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Roxbury	Solids, Settleable	2021-12-01	G-2104470-03	Result obtained from 970 mL, not the required 1 L.
Stamford	Ammonia (as NH3)	2021-09-08	G-2102950-01	Ammonia sample was not poured off from inturm container.
Stamford	Turbidity	2021-09-08	G-2102950-08	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Stamford	Total Kjeldahl Nitrogen	2021-09-08	G-2102950-01	Analyte is positively identified but teantatively quantified as an estimated concentration. The analyte was either detected between MDL and MRL or did not meet any one of the required QC criteria.
Stamford	Solids, Settleable	2021-10-06	G-2103657-01	No duplicate associated with this sample.
Stamford	Turbidity	2021-10-06	G-2103657-08	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Stamford	Turbidity	2021-10-06	G-2103657-01	The samples were accidentally left in the water bath overnight
Stamford	Turbidity	2021-10-19	G-2103839-07	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Stamford	Turbidity	2021-10-19	G-2103839-07	Analytical procedure error. Sample result is drastically different than the result (0.60 NTU) obtained via the 2100AN turbidimeter. A mixup of some sort is suspected, possible analysis of the 10 NTU QC sample rather then the actual environmental sample.
Stamford	Ammonia (as NH3)	2021-12-01	G-2104470-01A	Analytical procedure error. Original result was less than LOQ. Sample was dilluted in error. Meant to dilute the sample above on the samole table.
Stamford	CBOD	2021-12-01	G-2104470-01	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.
Walton	Turbidity	2021-09-15	G-2103244-11	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation. Corrected qualifier status.
Walton	Ammonia (as NH3)	2021-09-15	G-2103244-04	Analytical procedure error. QCS not every 10 samples.
Walton	Total Kjeldahl Nitrogen	2021-09-15	G-2103244-04	Samples did not meet sample acceptance criteria upon receipt at contract lab.
Walton	Turbidity	2021-10-19	G-2103783-09	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Walton	Turbidity	2021-10-20	G-2103731-10	Analyses conducted with an uncertified method (Mitchell, M5271, 2009) for the purpose of instrument validation.
Walton	Total Kjeldahl Nitrogen	2021-10-20	G-2103731-04	Samples did not meet sample acceptance criteria upon receipt at contract lab.
Walton	Solids, Settleable	2021-10-20	G-2103731-04	Result obtained from approximately 950 mL, not the required 1 L.
Walton	Solids, Settleable	2021-11-23	G-2104430-04	Result obtained from approximately 975 mL, not the required 1 L.
Walton	Solids, Settleable	2021-12-08	G-2104574-04	Result obtained from 960 mL, not the required 1 L.
Walton	CBOD	2021-12-08	G-2104574-04	Result is associated with a calibration check that fails the requirement. All other calibration QC, including the analytical QC, was satisfactory.