

**New York City Department of Environmental Protection
Bureau of Water Supply**

**WWTP Water Quality Sampling Monitoring Semiannual Report
(January 1 – June 30, 2019)**

September 2019

*Prepared in accordance with Section 6.2 of the NYSDOH
2017 Filtration Avoidance Determination*



Prepared by: DEP, Bureau of Water Supply

Introduction

The attached computer output was prepared in accordance with DEP's 2017 Long-term Watershed Protection Program and NYSDOH's 2017 Filtration Avoidance Determination. 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 January 1, 2019 through June 30, 2019.

The City's WWTP Compliance and Inspection Program is described in Section 2.5.2 of the *New York City Department of Environmental Protection Long-Term Watershed Protection Plan* (December 2016).

The computer output is divided into four tables. The first table, a subset of the second table, lists all of the DEP samples that contravened State Pollutant Discharge Elimination System (SPDES) limits. The second table shows the results by sample date of a comparison between effluent concentrations in DEP's samples with the limits for the corresponding parameters in the SPDES permits that are currently on file with DEP. The third table is a listing of the raw data for all samples collected in this half year period. The fourth table has the data qualifiers. Note that DEP's samples are surveillance, not regulatory samples, and single samples that exceed limits may not constitute a true SPDES violation.

The third table of this report is simply an output of the raw data and, as such, includes coding conventions where applicable. Parameters not detected in the effluent are indicated with a "<" sign and the detection limit. For example, <0.20 in the NH₃ column means that the total ammonia concentration in the effluent was less than the detection limit of 0.20 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 a "*" in Table 3 for the five plants that require percent removal calculations (Grand Gorge, Pine Hill, Tannersville, Grahamsville, and Margaretville).

As an added note, during this six-month period the Croton Falls Pump Station was in operation from Jun 26 – Jul 01. The Mahopac sewage treatment plant (STP) was sampled during this timeframe (Jun 26) and was in compliance for all parameters, with the minor exception of phosphorus. The Mahopac STP phosphorus result was 0.258mg/L and the SPDES limit is 0.250mg/L.

Table 1. DEP samples that contravened SPDES limits January - June 2019.

Catskill System:

<u>Facility</u>	<u>Date</u>	<u>Parameter</u>	<u>Daily Measurement</u>	<u>SPDES Limit</u>
Boiceville	09MAY19	Turbidity	0.60	0.50 NTU
Trailside at Hunter LLC	07FEB19	Ammonia	20.5	2.00 mgL ⁻¹
Trailside at Hunter LLC	13MAR19	Ammonia	30.9	2.00 mgL ⁻¹
Trailside at Hunter LLC	10APR19	Ammonia	5.69	2.00 mgL ⁻¹
Trailside at Hunter LLC	18APR19	pH	5.71	6.5 - 8.5
Trailside at Hunter LLC	18APR19	D.O.	0.6	7.0 mgL ⁻¹ min.
Trailside at Hunter LLC	08MAY19	pH	5.88	6.5 - 8.5
Trailside at Hunter LLC	08MAY19	D.O.	1.0	7.0 mgL ⁻¹ min.
Mountain View Estates	21FEB19	Phosphorus	2.43	1.00 mgL ⁻¹
Mountain View Estates	21FEB19	Phosphorus	2.45	1.00 mgL ⁻¹
Windham	03JAN19	Tot. Chlor. Res.	0.36	0.10 mgL ⁻¹
Windham	06JUN19	Tot. Chlor. Res.	0.19	0.10 mgL ⁻¹

Delaware System:

<u>Facility</u>	<u>Date</u>	<u>Parameter</u>	<u>Daily Measurement</u>	<u>SPDES Limit</u>
Delhi	13FEB19	Tot. Chlor. Res.	0.43	0.10 mgL ⁻¹
Delhi	19JUN19	Phosphorus	0.171	0.11 mgL ⁻¹
Margaretville	16APR19	% CBOD removal	81.5 %	85 % min.
Denver Sewer Corp.	06MAR19	pH	9.40	6.5 - 8.5

Table 2. Results of the comparison of effluent concentrations in DEP's samples with the limits of SPDES permits January - June 2019.

Catskill System:

Ashland WTP

date	Parameter	SPDES Violation	SPDES Limit
03JAN19		no violations	
07FEB19		no violations	
07MAR19		no violations	
04APR19		no violations	
02MAY19		no violations	
06JUN19		no violations	

Boiceville WWTP

date	Parameter	SPDES Violation	SPDES Limit
10JAN19		no violations	
21FEB19		no violations	
14MAR19		no violations	
11APR19		no violations	
09MAY19	Turbidity	0.60	0.50 NTU
13JUN19		no violations	

Camp Timberlake - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
25JUN19		no violations	

Elka Park Association (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
16JAN19		no violations	
07FEB19		no violations	
21MAR19		no violations	
10APR19		no violations	
16MAY19		no violations	

Elka Park Association (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUN19		no violations	

Grand Gorge (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
08JAN19		no violations	
09JAN19		no violations	
22JAN19		no violations	
23JAN19		no violations	
05FEB19		no violations	
06FEB19		no violations	
19FEB19		no violations	
20FEB19		no violations	
05MAR19		no violations	
06MAR19		no violations	
19MAR19		no violations	
20MAR19		no violations	
02APR19		no violations	
03APR19		no violations	
16APR19		no violations	
17APR19		no violations	
07MAY19		no violations	
08MAY19		no violations	
21MAY19		no violations	
22MAY19		no violations	

Grand Gorge (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
04JUN19		no violations	
05JUN19		no violations	
18JUN19		no violations	
19JUN19		no violations	

Grand Gorge--% removals

date	Parameter	SPDES Violation	SPDES Limit
08JAN19		% removals okay	
22JAN19		% removals okay	
05FEB19		% removals okay	
19FEB19		% removals okay	
05MAR19		% removals okay	
19MAR19		% removals okay	
02APR19		% removals okay	
16APR19		% removals okay	
07MAY19		% removals okay	
21MAY19		% removals okay	
04JUN19		% removals okay	
18JUN19		% removals okay	

Trailside at Hunter LLC (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
07FEB19	Ammonia	20.5	2.00 mgL ⁻¹
13MAR19	Ammonia	30.9	2.00 mgL ⁻¹
10APR19	Ammonia	5.69	2.00 mgL ⁻¹
18APR19	pH	5.71	6.5 - 8.5
18APR19	D.O.	0.6	7.0 mgL ⁻¹ minimum
08MAY19	pH	5.88	6.5 - 8.5
08MAY19	D.O.	1.0	7.0 mgL ⁻¹ minimum

Hunter (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
09JAN19		no violations	
07FEB19		no violations	
13MAR19		no violations	
18APR19		no violations	
16MAY19		no violations	

Hunter (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUN19		no violations	

Mountain View Estates

date	Parameter	SPDES Violation	SPDES Limit
21FEB19	Phosphorus	2.43	1.00 mgL ⁻¹
21FEB19	Phosphorus	2.45	1.00 mgL ⁻¹

Olive Woods LLC (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
10JAN19		no violations	
27FEB19		no violations	
14MAR19		no violations	
11APR19		no violations	
09MAY19		no violations	

Olive Woods LLC (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
13JUN19		no violations	

Oorah Catskill Retreat - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
25JUN19		no violations	

Pine Hill (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
08JAN19		no violations	
09JAN19		no violations	
22JAN19		no violations	
23JAN19		no violations	
05FEB19		no violations	
06FEB19		no violations	
19FEB19		no violations	
20FEB19		no violations	
05MAR19		no violations	
06MAR19		no violations	
19MAR19		no violations	
20MAR19		no violations	
02APR19		no violations	
03APR19		no violations	
16APR19		no violations	
17APR19		no violations	
07MAY19		no violations	
08MAY19		no violations	
21MAY19		no violations	
22MAY19		no violations	

Pine Hill (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
04JUN19		no violations	
05JUN19		no violations	
18JUN19		no violations	
19JUN19		no violations	

Pine Hill--% removals

date	Parameter	SPDES Violation	SPDES Limit
08JAN19		% removals okay	
22JAN19		% removals okay	
05FEB19		% removals okay	
19FEB19		% removals okay	
05MAR19		% removals okay	
19MAR19		% removals okay	
02APR19		% removals okay	
16APR19		% removals okay	
07MAY19		% removals okay	
21MAY19		% removals okay	
04JUN19		% removals okay	
18JUN19		% removals okay	

Prattsville WTP

date	Parameter	SPDES Violation	SPDES Limit
03JAN19		no violations	
07FEB19		no violations	
07MAR19		no violations	
04APR19		no violations	
02MAY19		no violations	
06JUN19		no violations	

Tannersville (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
08JAN19		no violations	
09JAN19		no violations	
22JAN19		no violations	
23JAN19		no violations	
05FEB19		no violations	
06FEB19		no violations	
19FEB19		no violations	
20FEB19		no violations	
05MAR19		no violations	
06MAR19		no violations	
19MAR19		no violations	
20MAR19		no violations	
02APR19		no violations	
03APR19		no violations	
16APR19		no violations	
17APR19		no violations	
07MAY19		no violations	
08MAY19		no violations	
21MAY19		no violations	
22MAY19		no violations	

Tannersville (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
04JUN19		no violations	
05JUN19		no violations	
18JUN19		no violations	
19JUN19		no violations	

Tannersville--% removals

date	Parameter	SPDES Violation	SPDES Limit
08JAN19		% removals okay	
22JAN19		% removals okay	
05FEB19		% removals okay	
19FEB19		% removals okay	
05MAR19		% removals okay	
19MAR19		% removals okay	
02APR19		% removals okay	
16APR19		% removals okay	
07MAY19		% removals okay	
21MAY19		% removals okay	
04JUN19		% removals okay	
18JUN19		% removals okay	

Windham (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
03JAN19	Tot. Chlor. Res.	0.36	0.10 mgL ⁻¹
07FEB19		no violations	
07MAR19		no violations	
04APR19		no violations	

Windham (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
06JUN19	Tot. Chlor. Res.	0.19	0.10 mgL ⁻¹

Delaware System:

Andes

date	Parameter	SPDES Violation	SPDES Limit
16JAN19		no violations	
13FEB19		no violations	
27FEB19		no violations	
20MAR19		no violations	
24APR19		no violations	
15MAY19		no violations	
19JUN19		no violations	

Delhi WWTP

date	Parameter	SPDES Violation	SPDES Limit
16JAN19		no violations	
13FEB19	Tot. Chlor. Res.	0.43	0.10 mgL ⁻¹
13MAR19		no violations	
20MAR19		no violations	
24APR19		no violations	
15MAY19		no violations	
19JUN19	Phosphorus	0.171	0.11 mgL ⁻¹

Fleischmanns WWTP

date	Parameter	SPDES Violation	SPDES Limit
02JAN19		no violations	
06FEB19		no violations	
06MAR19		no violations	
13MAR19		no violations	
03APR19		no violations	
01MAY19		no violations	
05JUN19		no violations	

Grahamsville WWTP

date	Parameter	SPDES Violation	SPDES Limit
02JAN19		no violations	
06FEB19		no violations	
20FEB19		no violations	
06MAR19		no violations	
03APR19		no violations	
01MAY19		no violations	
05JUN19		no violations	

Grahamsville WWTP--% removals

date	Parameter	SPDES Violation	SPDES Limit
02JAN19		% removals okay	
06FEB19		% removals okay	
20FEB19		% removals okay	
06MAR19		% removals okay	
03APR19		% removals okay	
01MAY19		% removals okay	
05JUN19		% removals okay	

Hanah Country Inn and Golf Resort

date	Parameter	SPDES Violation	SPDES Limit
16JAN19		no violations	
13FEB19		no violations	
20MAR19		no violations	
24APR19		no violations	
15MAY19		no violations	
19JUN19		no violations	

Hobart

date	Parameter	SPDES Violation	SPDES Limit
02JAN19		no violations	
06FEB19		no violations	
27FEB19		no violations	
06MAR19		no violations	
03APR19		no violations	
01MAY19		no violations	
05JUN19		no violations	

Margaretville

date	Parameter	SPDES Violation	SPDES Limit
08JAN19		no violations	
09JAN19		no violations	
22JAN19		no violations	
23JAN19		no violations	
05FEB19		no violations	
06FEB19		no violations	
19FEB19		no violations	
20FEB19		no violations	
05MAR19		no violations	
06MAR19		no violations	
19MAR19		no violations	

Margaretville - continued

date	Parameter	SPDES Violation	SPDES Limit
20MAR19		no violations	
02APR19		no violations	
03APR19		no violations	
16APR19		no violations	
17APR19		no violations	
07MAY19		no violations	
08MAY19		no violations	
21MAY19		no violations	
22MAY19		no violations	
04JUN19		no violations	
05JUN19		no violations	
18JUN19		no violations	
19JUN19		no violations	

Margaretville--% removals

date	Parameter	SPDES Violation	SPDES Limit
08JAN19		% removals okay	
22JAN19		% removals okay	
05FEB19		% removals okay	
19FEB19		% removals okay	
05MAR19		% removals okay	
19MAR19		% removals okay	
02APR19		% removals okay	
16APR19	suspended solids	% removal okay	
16APR19	% CBOD removal	81.5 %	85 % minimum
07MAY19		% removals okay	
21MAY19		% removals okay	
04JUN19		% removals okay	
18JUN19		% removals okay	

Mountainside Farms Inc.

date	Parameter	SPDES Violation	SPDES Limit
02JAN19		no violations	
06FEB19		no violations	
20FEB19		no violations	
06MAR19		no violations	
03APR19		no violations	
01MAY19		no violations	
05JUN19		no violations	

Denver Sewer Corp.

date	Parameter	SPDES Violation	SPDES Limit
02JAN19		no violations	
06FEB19		no violations	
06MAR19	pH	9.40	6.5 - 8.5
03APR19		no violations	
01MAY19		no violations	
05JUN19		no violations	

Stamford WWTP

date	Parameter	SPDES Violation	SPDES Limit
02JAN19		no violations	
06FEB19		no violations	
20FEB19		no violations	
06MAR19		no violations	
03APR19		no violations	
01MAY19		no violations	
05JUN19		no violations	

Walton WWTP

date	Parameter	SPDES Violation	SPDES Limit
16JAN19		no violations	
13FEB19		no violations	
27FEB19		no violations	
20MAR19		no violations	
24APR19		no violations	
15MAY19		no violations	
19JUN19		no violations	

Robert W. Harold Campus

date	Parameter	SPDES Violation	SPDES Limit
16JAN19		no violations	
13FEB19		no violations	
20MAR19		no violations	
24APR19		no violations	
15MAY19		no violations	
19JUN19		no violations	

Clear Pool Camp

date	Parameter	SPDES Violation	SPDES Limit
13FEB19		no violations	
04APR19		no violations	
11APR19		no violations	
16MAY19		no violations	
05JUN19		no violations	

Catskill System

Table 3. Raw Data for CAT/DEL WWTP effluent samples collected January – June 2019. Influent data (*) is included for the five plants that require percent removal calculations (Grand Gorge, Pine Hill, Tannersville, Grahamsville, and Margaretville).

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Ashland WTP	2019-01-03	0.007	<3.0			10.5	<1	<0.20		6.49	<0.1	<1.0		9.4	20	0.15			
Ashland WTP	2019-02-07	0.009	<3.0			10.7	<1	0.87		6.34	<0.1	<1.0		6.9	26	0.10			
Ashland WTP	2019-03-07	0.005	<3.0			10.6	<1	0.64		5.83	<0.1	<1.0		7.4	9	<0.1			
Ashland WTP	2019-04-04	0.006	<3.0			10.6	<1	1.13		6.01	<0.1	<1.0		6.6	19	0.20			
Ashland WTP	2019-05-02	0.008	<3.0			Error	<1	0.26		5.98	<0.1	<1.0		8.4	25	0.10			
Ashland WTP	2019-06-06	0.006	<3.0			9.7	<1	0.20		6.36	<0.1	<1.0		12.0	13	<0.1			
Boiceville WTP	2019-01-10			<3.0				<0.20				<1.0			67				
Boiceville WTP	2019-01-10	0.025		<3.0		10.8	<1	<0.20		7.35	<0.1	<1.0		11.2	77	0.45			
Boiceville WTP	2019-02-21			<3.0		11.3	<1	<0.20		7.36	<0.1	<1.0		10.5	92	0.20			
Boiceville WTP	2019-02-21														89				
Boiceville WTP	2019-03-14	0.021		<3.0		10.7	<1	<0.20		7.21	<0.1	<1.0		11.4	84	0.25			
Boiceville WTP	2019-04-11	0.02		<3.0		10.8	<1	<0.20		7.35	<0.1	<1.0		12.7	127	0.30			
Boiceville WTP	2019-05-09	0.02		<3.0		10.4	<1	<0.20		7.51	<0.1	<1.0		15.4	172	0.60			
Boiceville WTP	2019-06-13	0.015		<3.0		9.5	<1	<0.20		7.60	<0.1	<1.0		18.6	295	0.20			
Camp Timberlake	2019-06-25			<3.0		8.7	<1	<0.20		7.43	<0.1	<1.0		19.0	107	0.10			
Elka Park	2019-01-16	0		<3.0		9.9	<1	0.38		7.31	<0.1	<1.0		11.4	266	0.15			
Elka Park	2019-02-07	0.037		<3.0		12.2	<1	0.33		6.94	<0.1	<1.0		4.9	246	0.35			
Elka Park	2019-03-21	0.001		<3.0		12.1	<1	<0.20		7.13	<0.1	<1.0		4.6	205	0.10			
Elka Park	2019-04-10	0		<3.0		10.9	<1	<0.20		6.81	<0.1	<1.0		7.7	206	0.40			
Elka Park	2019-05-16			<3.0		9.5	<1	0.20		7.62	<0.1	<1.0		14.3	328	0.35			
Elka Park	2019-06-05	0		<3.0		9.4	<1	0.21		7.42	<0.1	<1.1		14.6	256	0.20			
Grand Gorge*	2019-01-08			45.0								51.8							
Grand Gorge	2019-01-08			<3.0				<0.20				<1.1		10					
Grand Gorge	2019-01-09						<1												
Grand Gorge*	2019-01-22			77.4								91.0							
Grand Gorge	2019-01-22			<3.0				<0.20				<1.1		17					
Grand Gorge	2019-01-23						<1												
Grand Gorge*	2019-02-05			23.8								38.2							
Grand Gorge	2019-02-05			<3.0				<0.20				<1.0		9					
Grand Gorge	2019-02-06						<1												
Grand Gorge*	2019-02-19			80.2								75.5		5					
Grand Gorge	2019-02-19			<3.0				<0.20				<1.1		7					
Grand Gorge	2019-02-20						<1												
Grand Gorge*	2019-03-05			80.8								79.0							
Grand Gorge	2019-03-05			<3.0				<0.20				<1.1		10					
Grand Gorge	2019-03-06						<1												
Grand Gorge*	2019-03-19			83.8								82.0							
Grand Gorge	2019-03-19			<3.0				<0.20				<1.1		10					
Grand Gorge	2019-03-20						<1												
Grand Gorge*	2019-04-02			64.3								80.0							
Grand Gorge	2019-04-02			<3.0				<0.20				<1.0		10					
Grand Gorge	2019-04-03						<1												
Grand Gorge*	2019-04-16			20.5								21.5							
Grand Gorge	2019-04-16			<3.0				<0.20				<1.1		36					

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	2019-04-17						<1												
Grand Gorge*	2019-05-07			63.0								56.8							
Grand Gorge	2019-05-07			<3.0				<0.20				<1.1			18				
Grand Gorge	2019-05-08						<1												
Grand Gorge*	2019-05-21			38.0								45.9							
Grand Gorge	2019-05-21			<3.0				<0.20				<1.0			19				
Grand Gorge	2019-05-22						<1												
Grand Gorge*	2019-06-04			167								128							
Grand Gorge	2019-06-04			<3.0				<0.20				<1.0			21				
Grand Gorge	2019-06-05						<1												
Grand Gorge*	2019-06-18			59.3								61.5							
Grand Gorge	2019-06-18			<3.0				<0.20				<1.0			28				
Grand Gorge	2019-06-19						<1												
Trailside at Hunter LLC	2019-02-07			<3.0		12.1	<1	20.5		6.84	<0.1	2.7	<0.05	5.0	29	0.70			
Trailside at Hunter LLC	2019-03-13			3.2		10.6	<1	30.9		6.57	<0.1	<1.1	<0.05	5.3	32	0.30			
Trailside at Hunter LLC	2019-03-26									6.98				5.9		0.60			
Trailside at Hunter LLC	2019-04-10			<3.0				5.69				1.9	<0.05		45				
Trailside at Hunter LLC	2019-04-18			<3.0		0.6	<1	0.35		5.71	<0.1	<1.0	<0.05	11.1	<3	0.55			
Trailside at Hunter LLC	2019-05-08			<3.0		1.0	<1	0.91		5.88	<0.1	1.1	<0.05	14.4	38	0.50			
Trailside at Hunter LLC	2019-06-13									7.06				19.0		0.25			
Hunter WTP	2019-01-09	0.201	<3.0			11.2	<1	<0.20		6.45	<0.1	<1.0	<0.05	7.1	11	0.10			
Hunter WTP	2019-01-16									6.80				5.8		0.25			
Hunter WTP	2019-02-07		<3.0					<0.20				<1.1	0.24		18				
Hunter WTP	2019-02-07	0.238	<3.0			11.6	<1	<0.20		6.27	<0.1	<1.0	0.21	7.0	13	0.30			
Hunter WTP	2019-03-13	0.16	<3.0			12.1	<1	0.36		6.59	<0.1	<1.0	<0.05	6.1	32	0.65			
Hunter WTP	2019-04-16									6.67				8.3		0.40			
Hunter WTP	2019-04-18		<3.0			11.3	<1	<0.20		6.68	<0.1	<1.0	0.09	8.7	10	0.25			
Hunter WTP	2019-05-16		<3.0			10.7	<1	<0.20		6.65	<0.1	<1.0	0.17	11.2	11	0.70			
Hunter WTP	2019-06-05		<3.0			9.3	<1	<0.20		6.48	<0.1	<1.0	<0.05	17.1	10	0.15			
Mountain View	2019-02-21														2450				
Mountain View	2019-02-21			<3.0		10.0	<1	<0.20		7.92	<0.1	<1.0		11.8	2430	0.10			
Olive Woods	2019-01-10	0.0011		<3.0		11.2	<1	<0.20		7.83	<0.1	<1.0		8.1	4	0.35			
Olive Woods	2019-02-27			<3.0		11.7	<1	<0.20		7.96	<0.1	<1.0		7.6	10	0.10			
Olive Woods	2019-02-27														8				
Olive Woods	2019-03-14	0.001		<3.0		10.5	<1	<0.20		7.66	<0.1	<1.0		11.9	6	0.10			
Olive Woods	2019-04-11	0.0006		<3.0		10.5	<1	0.23		7.73	<0.1	<1.0		12.6	5	<0.1			
Olive Woods	2019-05-09	0.0002		<3.0		10.3	<1	<0.20		7.84	<0.1	<1.0		13.4	6	0.10			
Olive Woods	2019-06-13	0.003		<3.0		9.5	<1	<0.20		7.79	<0.1	<1.1		16.5	6	0.10			
Oorah Catskill Retreat	2019-06-25			<3.0		9.4	<1	<0.20		7.26	<0.1	<1.0		15.9	474	0.10			
Pine Hill*	2019-01-08		44.1									41.4							
Pine Hill	2019-01-08		<3.0					<0.20				<1.1			12				
Pine Hill	2019-01-09						<1												
Pine Hill*	2019-01-22		70.4									59.0							
Pine Hill	2019-01-22		<3.0					0.36				<1.1			17				
Pine Hill	2019-01-23						<1												
Pine Hill*	2019-02-05		43.0									46.7							
Pine Hill	2019-02-05		<3.0					<0.20				<1.1			8				
Pine Hill	2019-02-06						<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*	2019-02-19		119									228			12				
Pine Hill	2019-02-19		<3.0					<0.20				<1.1			13				
Pine Hill	2019-02-20						<1												
Pine Hill*	2019-03-05		108									117							
Pine Hill	2019-03-05		<3.0					<0.20				<1.0			14				
Pine Hill	2019-03-06						<1												
Pine Hill*	2019-03-19		85.2									86.4							
Pine Hill	2019-03-19		<3.0					<0.20				<1.1			11				
Pine Hill	2019-03-20						<1												
Pine Hill*	2019-04-02		122									72.0							
Pine Hill	2019-04-02		<3.0					<0.20				<1.1			15				
Pine Hill	2019-04-03						<1												
Pine Hill*	2019-04-16		32.7									31.5							
Pine Hill	2019-04-16		<3.0					<0.20				<1.1			33				
Pine Hill	2019-04-17						<1												
Pine Hill*	2019-05-07		41.3									30.0							
Pine Hill	2019-05-07		<3.0					<0.20				<1.0			8				
Pine Hill	2019-05-08						<1												
Pine Hill*	2019-05-21		27.0									22.3							
Pine Hill	2019-05-21		<3.0					<0.20				<1.1			6				
Pine Hill	2019-05-22						<1												
Pine Hill*	2019-06-04		164									124							
Pine Hill	2019-06-04		<3.0					<0.20				<1.1			9				
Pine Hill	2019-06-05						<1												
Pine Hill*	2019-06-18		152									192							
Pine Hill	2019-06-18		<3.0					<0.20				<1.1			9				
Pine Hill	2019-06-19						<1												
Prattsville WTP	2019-01-03			<3.0								<1.0			81				
Prattsville WTP	2019-01-03	0.016		<3.0		7.7	<1			7.06	<0.1	<1.0		13.5	76	0.30			
Prattsville WTP	2019-01-16									6.81				13.9		0.25			
Prattsville WTP	2019-02-07	0.024		<3.0		7.8	<1			7.02	<0.1	<1.0		11.5	61	0.25			
Prattsville WTP	2019-03-07	0.017		<3.0		8.3	<1			7.12	<0.1	<1.0		10.5	61	0.20			
Prattsville WTP	2019-04-04	0.02		<3.0		7.3	<1			7.09	<0.1	<1.0		11.0	155	0.15			
Prattsville WTP	2019-04-16									7.08				12.5		0.10			
Prattsville WTP	2019-05-02	0.021		<3.0		Error	<1			6.97	<0.1	<1.0		13.5	52	0.20			
Prattsville WTP	2019-06-06	0.018		<3.0		7.2	<1			7.20	<0.1	<1.0		16.1	40	0.10			
Tannersville*	2019-01-08			79.0								88.0							
Tannersville	2019-01-08			<3.0				<0.20				<1.1			7				
Tannersville	2019-01-09						<1												

Catskill System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Tannersville*	2019-01-22			111								104							
Tannersville	2019-01-22			<3.0				<0.20				<1.0		9					
Tannersville	2019-01-23						<1												
Tannersville*	2019-02-05			94.0								104							
Tannersville	2019-02-05			<3.0				<0.20				<1.1		7					
Tannersville	2019-02-06						<1												
Tannersville*	2019-02-19			120								140		12					
Tannersville	2019-02-19			<3.0				<0.20				<1.1		12					
Tannersville	2019-02-20						<1												
Tannersville*	2019-03-05			120								81.6							
Tannersville	2019-03-05			<3.0				0.33				<1.1		5					
Tannersville	2019-03-06						<1												
Tannersville*	2019-03-19			82.2								73.0							
Tannersville	2019-03-19			<3.0				<0.20				<1.0		3					
Tannersville	2019-03-20						<1												
Tannersville*	2019-04-02			64.6								64.3							
Tannersville	2019-04-02			<3.0				<0.20				<1.1		4					
Tannersville	2019-04-03						<1												
Tannersville*	2019-04-16			23.2								24.0							
Tannersville	2019-04-16			<3.0				<0.20				<1.1		4					
Tannersville	2019-04-17						<1												
Tannersville*	2019-05-07			49.8								51.1							
Tannersville	2019-05-07			<3.0				0.22				<1.1		8					
Tannersville	2019-05-08						<1												
Tannersville*	2019-05-21			132								131							
Tannersville	2019-05-21			<3.0				<0.20				<1.0		10					
Tannersville	2019-05-22						<1												
Tannersville*	2019-06-04			165								165							
Tannersville	2019-06-04			<3.0				<0.20				<1.1		10					
Tannersville	2019-06-05						<1												
Tannersville*	2019-06-18			175								183							
Tannersville	2019-06-18			<3.0				<0.20				<1.0		16					
Tannersville	2019-06-19						<1												
Windham WTP	2019-01-03		<3.0									<1.1	<0.05	19					
Windham WTP	2019-01-03		<3.0			10.6	<1			6.52	<0.1	<1.0	0.36	7.9	23	0.50			
Windham WTP	2019-02-07		<3.0			11.5	<1			6.50	<0.1	<1.0	<0.05	7.0	19	0.35			
Windham WTP	2019-02-13									6.26				5.7		0.35			
Windham WTP	2019-03-07	0.2	3.1			12.1	<1			6.87	<0.1	1.1	<0.05	4.2	39	0.45			
Windham WTP	2019-04-04	0.21	<3.0			11.7	<1			6.68	<0.1	<1.0	<0.05	6.5	17	0.25			
Windham WTP	2019-05-21									6.57				11.6		0.15			
Windham WTP	2019-06-06	0.1788		<3.0		9.6	<1	<0.20		6.74	<0.1	<1.1	0.19	14.0	17	0.10			

Delaware System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Andes	2019-01-16	0.049	<3.0			11.1	<1	<0.20		7.51	<0.1	<1.0		8.3	22	0.45			
Andes	2019-02-13	0.067	<3.0			11.5	<1	<0.20		7.71	<0.1	<1.0		6.8	11	0.25			
Andes	2019-02-13														7				
Andes	2019-02-27	0.057	<3.0					<0.20			<0.1	<1.0			12	0.35			
Andes	2019-02-27														12				
Andes	2019-03-20	0.062	<3.0			11.6	<1	<0.20		7.40	<0.1	<1.1		7.5	15	0.20			
Andes	2019-03-20									7.42				7.6		0.25			
Andes	2019-04-24	0.075	<3.0			10.4	<1	<0.20		7.98	<0.1	<1.1		10.7	26	0.25			
Andes	2019-05-15	0.113	<3.0			11.2	<1	<0.20		7.76	<0.1	<1.0		10.8	36	0.90			
Andes	2019-06-19	0.061	<3.0			9.8	<1	<0.20		7.72	<0.1	<1.0		15.5	72	0.30			
Andes	2019-06-26									7.62				15.4		0.10			
Delhi	2019-01-16	0.647	<3.0			9.1	<1	<0.20		7.55	<0.1	<1.1	<0.04	12.8	19	0.60			0.79
Delhi	2019-02-13	0.683	<3.0			9.5	E1	<0.20		7.29	<0.1	<1.0	0.43	12.4	19	0.30			0.53
Delhi	2019-02-13														14				
Delhi	2019-03-13	0.661	<3.0					<0.20			<0.1	<1.1	<0.04		19	2.7			1
Delhi	2019-03-20	0.68	3.1			9.4	<1	<0.20		7.03	<0.1	3.4	<0.04	14.4	27	0.45			1.1
Delhi	2019-04-24	0.716	<3.0			8.2	<1	<0.20		7.42	<0.1	<1.1	0.04	18.3	13	0.10			1.0
Delhi	2019-05-15	0.834	<3.0			9.1	<1	<0.20		7.03	<0.1	1.4	<0.04	18.1	18	0.20			<0.2
Delhi	2019-06-19	0.005	<3.0			7.2	<1	<0.20		7.44	<0.1	1.8	<0.04	24.3	171	0.60			1.1
Denver Sewer Corp.	2019-01-02	0.027	<3.0			11.3	<1	<0.20		7.44	<0.1	<1.0	<0.04	5.5	100	1.0			
Denver Sewer Corp.	2019-02-06	0	<3.0			12.2	<1	<0.20		7.83	<0.1	<1.2	0.09	4.3	84	0.65			
Denver Sewer Corp.	2019-03-06	0.006	<3.0			12.2	<1	<0.20		9.40	<0.1	<1.1	<0.04	2.5	90	0.30			
Denver Sewer Corp.	2019-04-03	0.016	<3.0			11.6	<1	<0.20		7.82	<0.1	<1.1	0.05	5.7	77	0.15			
Denver Sewer Corp.	2019-05-01	0.013	<3.0			9.5	<1	<0.20		7.80	<0.1	<1.1	<0.04	9.4	82	0.45			
Denver Sewer Corp.	2019-06-05	0.007	<3.0			8.1	<1	<0.20		7.15	<0.1	<1.0	<0.04	14.3	91	0.35			
Fleischmanns	2019-01-02	0.016	<3.0			11.8	<1	0.85		7.07	<0.1	<1.1	0.04	8.0	41	0.60			
Fleischmanns	2019-02-06	0	<3.0			11.6	<1	0.72		7.28	<0.1	<1.1	<0.04	5.5	41	0.25			
Fleischmanns	2019-03-06	0.014	<3.0			13.8	<1	<0.20		7.25	<0.1	<1.1	0.04	5.1	36	0.35			
Fleischmanns	2019-03-13	0.023	<3.0					0.63			<0.1	<1.0	<0.04		43	0.20			
Fleischmanns	2019-03-20									7.14				5.7		0.35			
Fleischmanns	2019-04-03	0.017	<3.0			13.0	<1	<0.20		7.21	<0.1	<1.1	<0.04	6.2	31	0.15			
Fleischmanns	2019-05-01	0.042	<3.0			12.4	<1	<0.20		6.89	<0.1	<1.0	<0.04	9.1	38	0.40			
Fleischmanns	2019-06-05	0.317	<3.0			9.5	<1	<0.20		7.07	<0.1	<1.0	<0.04	13.9	22	0.40			
Fleischmanns	2019-06-26									6.76				15.4		0.20			
Grahamsville*	2019-01-02			90.0								82.0							
Grahamsville	2019-01-02		<3.0					<0.20				<1.0			44				
Grahamsville	2019-01-02						<1												
Grahamsville*	2019-02-06			98.8								129							
Grahamsville	2019-02-06			7.1				<0.20				<1.1			12				
Grahamsville	2019-02-06						<1												
Grahamsville	2019-02-13									7.17				9.6		0.15			
Grahamsville*	2019-02-20			85.5															
Grahamsville	2019-02-20			<3.0															

Delaware System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Grahamsville*	2019-03-06			115								132							
Grahamsville	2019-03-06			<3.0				<0.20				<1.1			16				
Grahamsville	2019-03-06						<1												
Grahamsville*	2019-04-03			122								57.0							
Grahamsville	2019-04-03			<3.0				<0.20				<1.1			35				
Grahamsville	2019-04-03						<1												
Grahamsville*	2019-05-01			140								149							
Grahamsville	2019-05-01			<3.0				<0.20				<1.2			53				
Grahamsville	2019-05-01						<1												
Grahamsville	2019-05-21									7.32				15.1		0.15			
Grahamsville*	2019-06-05			98.1								115							
Grahamsville	2019-06-05			<3.0				<0.20				<2.0			107				
Grahamsville	2019-06-05						<1												
Hanah Country Inn and Golf Resort	2019-01-16	0				6.5				7.21		1.2		5.4	417				
Hanah Country Inn and Golf Resort	2019-02-13	0.003				11.5				7.40		2.6		2.5	369				
Hanah Country Inn and Golf Resort	2019-02-13														278				
Hanah Country Inn and Golf Resort	2019-03-20	0				3.7				7.11		<1.0		4.5	382				
Hanah Country Inn and Golf Resort	2019-04-24	0				7.7				7.43		<1.1		8.8	198				
Hanah Country Inn and Golf Resort	2019-05-15					9.3				7.11		2.3		9.9	298				
Hanah Country Inn and Golf Resort	2019-06-19	0.003				8.4				7.15		<1.1		15.8	227				
Hobart	2019-01-02	0.058		<3.0		8.5	<1	<0.20		6.60	<0.1	<1.0		11.6	9	0.45			
Hobart	2019-02-06	0.112		<3.0		8.7	<1	<0.20		6.60	<0.1	<1.0		10.6	8	0.10		510	
Hobart	2019-02-27	0.95		<3.0				<0.20			<0.1	<1.0			8	0.30		590	
Hobart	2019-03-06	0.112		<3.0		8.0	<1	<0.20		6.53	<0.1	<1.2		9.6	9	1.1		510	
Hobart	2019-04-03	0.103		<3.0		8.7	<1	<0.20		6.64	<0.1	<1.1		10.6	10	0.20			
Hobart	2019-05-01	0.085		<3.0		7.9	<1	<0.20		6.53	<0.1	<1.1		13.5	20	0.30			
Hobart	2019-06-05	0.118		<3.0		5.7	<1	<0.20		6.60	<0.1	<1.0		16.0	16	0.25			
Margaretville*	2019-01-08			71.8								140							
Margaretville	2019-01-08			<3.0				<0.20				<1.0			285				
Margaretville	2019-01-09						<1												
Margaretville*	2019-01-22			106								274							
Margaretville	2019-01-22			<3.0				<0.20				<1.0			27				
Margaretville	2019-01-23						<1												
Margaretville*	2019-02-05			116								470							
Margaretville	2019-02-05			<3.0				<0.20				<1.1			35				
Margaretville	2019-02-06						<1												
Margaretville*	2019-02-19			95.2								167			44				
Margaretville	2019-02-19			<3.0				<0.20				<1.0			43				
Margaretville	2019-02-20						<1												
Margaretville*	2019-03-05			180								284							
Margaretville	2019-03-05			<3.0				<0.20				<1.0			58				
Margaretville	2019-03-06						<1												
Margaretville*	2019-03-19			178								195							
Margaretville	2019-03-19			<3.0				<0.20				<1.0			70				

Delaware System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Margaretville	2019-03-20						<1												
Margaretville*	2019-04-02			153								141							
Margaretville	2019-04-02		<3.0					<0.20				<1.1		36					
Margaretville	2019-04-03						<1												
Margaretville*	2019-04-16			49.2								107							
Margaretville	2019-04-16			9.1				0.49				<1.0		106					
Margaretville	2019-04-17						<1												
Margaretville*	2019-05-07			95.4								126							
Margaretville	2019-05-07		<3.0					<0.20				<1.0		56					
Margaretville	2019-05-08						<1												
Margaretville*	2019-05-21			235								687							
Margaretville	2019-05-21		<3.0					<0.20				<1.1		82					
Margaretville	2019-05-22						<1												
Margaretville*	2019-06-04			148								187							
Margaretville	2019-06-04		<3.0					<0.20				<1.1		76					
Margaretville	2019-06-05						<1												
Margaretville*	2019-06-18			146								137							
Margaretville	2019-06-18		<3.0					<0.20				<1.0		79					
Margaretville	2019-06-19						<1												
Mountainside Farms	2019-01-02	0.07	<3.0		332	7.6			5.07	7.67		<1.0		19.7	19	0.35			
Mountainside Farms	2019-01-15	0.057															<0.1		
Mountainside Farms	2019-02-06	0	<3.0		480	8.1			2.91	7.57		<1.1		16.8	27	0.30	<0.1		
Mountainside Farms	2019-02-20														36				
Mountainside Farms	2019-02-20		<3.0		294				3.50			<1.1			35	0.25	<0.1		
Mountainside Farms	2019-03-06	0.061	<3.0		428	8.7			2.83	7.68		<1.1		14.7	19	0.10	<0.1		
Mountainside Farms	2019-04-03	0.053	<3.0		371	7.5			5.34	7.68		<1.1		20.7	22	0.20	<0.1		
Mountainside Farms	2019-05-01	0.0425	<3.0		391	8.1			7.11	7.73		<1.1		19.7	26	0.15	<0.1		
Mountainside Farms	2019-06-05	0.034	<3.0		366	6.9			4.95	7.66		<1.0		24.3	31	0.25	<0.1		

Delaware System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Robert W. Harold Campus	2019-01-16	0.004		<3.0		6.8	<1	0.28		7.36	<0.1	<1.0		15.8	53	0.80		1300	
Robert W. Harold Campus	2019-02-13														135				
Robert W. Harold Campus	2019-02-13	0.007		<3.0		5.8	<1	0.21		7.45	<0.1	<1.0		19.0	133	0.35		1500	
Robert W. Harold Campus	2019-03-20	0.002		<3.0		5.6	<1	0.28		7.03	<0.1	<1.0		18.5	95	0.10		1600	
Robert W. Harold Campus	2019-04-24	0.0049		<3.0		7.9	<1	0.27		7.18	<0.1	<1.1		14.8	126	0.15		1400	
Robert W. Harold Campus	2019-05-15	0.005		<3.0		6.0	<1	<0.20		6.98	<0.1	<1.0		17.7	49	0.30		1100	
Robert W. Harold Campus	2019-06-19	0.003		<3.0		6.1	<1	<0.20		7.20	<0.1	<1.0		20.0	166	0.20		900	
Stamford	2019-01-02	0.558		<3.0		11.0	<1	<0.20		6.82	<0.1	<1.0	<0.04	8.7	6	0.70			0.57
Stamford	2019-02-06	0.689		<3.0		11.6	<1	<0.20		6.71	<0.1	<1.0	<0.04	7.0	6	0.15			0.44
Stamford	2019-02-20														6				
Stamford	2019-02-20	0.397		3.4				<0.20			<0.1	<1.0	<0.04		4	0.55			0.71
Stamford	2019-03-05									6.71				5.7		0.40			
Stamford	2019-03-06	0.313		<3.0		11.5	<1	<0.20		6.63	<0.1	<1.0	<0.04	6.6	15	0.25			0.54
Stamford	2019-04-03	0.489		3.5		11.1	<1	<0.20		6.58	<0.1	<1.1	<0.04	7.5	6	0.10			0.65
Stamford	2019-05-01	0.596		<3.0		10.2	<1	<0.20		6.65	<0.1	<1.1	0.04	9.9	4	0.20			0.65
Stamford	2019-06-05	0.463		<3.0		9.7	<1	<0.20		6.84	<0.1	<1.0	<0.04	14.1	5	0.15			0.62
Stamford	2019-06-25									6.73				14.2		0.25			
Walton	2019-01-16	1.44		<3.0		10.0	<1	0.95		7.25	<0.1	<1.0	<0.04	12.4	8	0.90			1.7
Walton	2019-02-13	1.742		<3.0		10.2	<1	<0.20		7.42	<0.1	<1.1	<0.04	11.8	7	0.65			0.73
Walton	2019-02-13														7				
Walton	2019-02-27	1.4512		<3.0				1.77			<0.1	<1.0	<0.04		8	0.70			2.8
Walton	2019-02-27														9				
Walton	2019-03-20	0.086		<3.0		10.2	<1	0.23		7.38	<0.1	<1.0	<0.04	12.5	8	0.10			1.1
Walton	2019-04-24	1.762		<3.0		9.4	<1	<0.20		7.36	<0.1	<1.1	<0.04	15.0	6	0.25			0.62
Walton	2019-05-15	1.852		<3.0		10.0	<1	<0.20		7.41	<0.1	<1.0	<0.04	15.7	8	0.15			0.80
Walton	2019-06-19	1.53		<3.0		8.9	<1	<0.20		7.44	<0.1	<1.0	0.04	19.9	7	0.25			0.44
CLEAR POOL CAMP	2019-02-13			<3.0		9.1	<1	<0.30		8.04	<0.1	1.6		17.4	53				
CLEAR POOL CAMP	2019-04-04			<3.0		9.3	<1	<0.30		7.57	<0.1	<1.0		17.6	20				
CLEAR POOL CAMP	2019-04-11			<3.0		9.1	<1	<0.30		7.71	<0.1	<1.0		17.7	38				
CLEAR POOL CAMP	2019-05-16			<3.0		8.6	<1	<0.30		7.34	<0.1	<1.0		22.7	39				
CLEAR POOL CAMP	2019-06-05			<3.0		8.0	E1	<0.30		7.21	<0.1	<1.0		26.3	77				

Table 4. Data Qualifiers

Plant	Analyte	Sample Date	Sample ID	Qualifier
Andes	Solids, Total Suspended	2019-01-16	G-1900152-03	The end-of-run LOQ was not within 50-150%.
Andes	Phosphorus, Total (as P)	2019-02-13	G-1900565-03	Analytical procedure error. Expired QCS.
Andes	Phosphorus, Total (as P)	2019-02-13	G-1900565-03A	Anomalous data. Suspect contamination.
Andes	Phosphorus, Total (as P)	2019-02-13	G-1900565-03B	This sample was not analyzed within the acceptable holding time.
Andes	Phosphorus, Total (as P)	2019-02-27	G-1900771-03	Anomalous data. Suspect contamination.
Andes	BOD	2019-02-27	G-1900771-03	Incubator temperature outside of acceptable limits during five day incubation.
Andes	Ammonia (as NH3)	2019-06-19	G-1902606-03	The duplicate analysis was not within the control limits.
Ashland WTP	BOD	2019-04-04	K-1901421-03	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.
Ashland WTP	Dissolved Oxygen	2019-05-02	K-1901864-03	QC not analyzed. No Post DO analyzed.
Boiceville WTP	Phosphorus, Total (as P)	2019-01-10	K-1900150-02	The duplicate analysis was not within the control limits.
Boiceville WTP	Phosphorus, Total (as P)	2019-02-21	K-1900731-03	Analytical procedure error. Expired QCS.
Boiceville WTP	Phosphorus, Total (as P)	2019-02-21	K-1900731-03A	Anomalous data. Suspect contamination.
Boiceville WTP	Turbidity	2019-04-11	K-1901563-02	The duplicate analysis was not within the control limits.
Boiceville WTP	Phosphorus, Total (as P)	2019-06-13	K-1902590-02	Data reanalyzed due to result above calibration range.
Boiceville WTP	CBOD	2019-06-13	K-1902590-02	Equipment failure. Power outage occurred on a non-business day; incubator temperature fell below lower limit for unknown period of time. QC passed.
Delhi	Solids, Total Suspended	2019-01-16	G-1900152-02	The end-of-run LOQ was not within 50-150%.
Delhi	Phosphorus, Total (as P)	2019-02-13	G-1900565-02	Analytical procedure error. Expired QCS.
Delhi	Phosphorus, Total (as P)	2019-02-13	G-1900565-02A	Anomalous data. Suspect contamination.
Delhi	Phosphorus, Total (as P)	2019-02-13	G-1900565-02B	This sample was not analyzed within the acceptable holding time.
Denver Sewer Corp.	Ammonia (as NH3)	2019-02-06	G-1900480-03	This sample was not preserved within 15 minutes of sample collection. not preserved within 15 minutes due to field dechlorination.
Denver Sewer Corp.	Solids, Total Suspended	2019-02-06	G-1900480-03	The end-of-run LOQ was not within 50-150%.
Denver Sewer Corp.	Ammonia (as NH3)	2019-04-03	G-1901367-03	This sample was not preserved within 15 minutes of sample collection.
Denver Sewer Corp.	Phosphorus, Total (as P)	2019-05-01	G-1901819-03	This sample is associated with an equipment blank that is greater than two times the LOQ.
Elka Park	Phosphorus, Total (as P)	2019-01-16	K-1900224-02	Data reanalyzed due to result above calibration range.
Elka Park	Solids, Total Suspended	2019-01-16	K-1900224-02	The end-of-run LOQ was not within 50-150%.
Elka Park	Phosphorus, Total (as P)	2019-02-07	K-1900567-02	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2019-03-21	K-1901216-01	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2019-04-10	K-1901494-02	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2019-05-16	K-1902124-01	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2019-06-05	K-1902420-02	Data reanalyzed due to result above calibration range.
Fleischmanns	Solids, Total Suspended	2019-02-06	G-1900480-05	The end-of-run LOQ was not within 50-150%.
Fleischmanns	Phosphorus, Total (as P)	2019-05-01	G-1901819-05	This sample is associated with an equipment blank that is greater than two times the LOQ.
Fleischmanns	Turbidity	2019-05-01	G-1901819-05	The duplicate analysis was not within the control limits.
Grahamsville	Solids, Total Suspended	2019-02-06	G-1900490-02	The end-of-run LOQ was not within 50-150%.
Grahamsville	Solids, Total Suspended	2019-02-06	G-1900490-01	The end-of-run LOQ was not within 50-150%.
Grahamsville	Phosphorus, Total (as P)	2019-04-03	G-1901304-02	Result inadvertently flagged OOS. Result set back to Done status.
Grand Gorge	Nitrate/Nitrite (as N)	2019-01-08	K-1805261-05	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Nitrate/Nitrite (as N)	2019-01-08	K-1805261-05	Data reanalyzed due to result above calibration range.
Grand Gorge	Nitrate/Nitrite (as N)	2019-01-08	K-1805261-05A	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Phosphorus, Total (as P)	2019-01-22	K-1900135-05	Result inadvertently flagged OOS. Result set back to Done status.
Grand Gorge	Nitrate/Nitrite (as N)	2019-02-05	K-1900324-05	Data reanalyzed due to result above calibration range.
Grand Gorge	Nitrate/Nitrite (as N)	2019-02-05	K-1900324-05A	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Phosphorus, Total (as P)	2019-02-05	K-1900324-05	Result inadvertently flagged OOS. Result set back to Done status.
Grand Gorge	CBOD	2019-02-05	K-1900324-05	Result inadvertently flagged OOS. Result set back to Done status.

Plant	Analyte	Sample Date	Sample ID	Qualifier																
Grand Gorge	Ammonia (as NH3)	2019-02-05	K-1900324-05	Result inadvertently flagged OOS. Result set back to Done status.																
Grand Gorge	Nitrate/Nitrite (as N)	2019-02-05	K-1900324-05	This sample is not filtered within 15 minutes of sample collection.																
Grand Gorge	Solids, Total Suspended	2019-02-05	K-1900324-05	The end-of-run LOQ was not within 50-150%.																
Grand Gorge	Solids, Total Suspended	2019-02-05	K-1900324-04	The end-of-run LOQ was not within 50-150%.																
Grand Gorge	Phosphorus, Total (as P)	2019-02-19	K-1900522-05A	Anomalous data. Suspect contamination.																
Grand Gorge	Phosphorus, Total (as P)	2019-02-19	K-1900522-05	Analytical procedure error. Expired QCS.																
Grand Gorge	CBOD	2019-04-16	K-1901409-05	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Grand Gorge	CBOD	2019-04-16	K-1901409-04	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Grand Gorge	Nitrate/Nitrite (as N)	2019-05-07	K-1901615-05	No Equipment Blank associated with this sample.																
Grand Gorge	Nitrate/Nitrite (as N)	2019-05-07	K-1901615-05	This sample is not filtered within 15 minutes of sample collection.																
Hobart	Solids, Total Suspended	2019-02-06	G-1900480-02	The end-of-run LOQ was not within 50-150%.																
Hobart	CBOD	2019-02-27	G-1900771-02	Incubator temperature outside of acceptable limits during five day incubation.																
Hobart	Phosphorus, Total (as P)	2019-02-27	G-1900771-02	Anomalous data. Suspect contamination.																
Hobart	Solids, Total Dissolved	2019-03-06	G-1900864-02	Contract lab bottle was filled from the physicals bottle upon return to the lab.																
Hobart	Phosphorus, Total (as P)	2019-05-01	G-1901819-02	This sample is associated with an equipment blank that is greater than two times the LOQ.																
Trailside at Hunter LLC	Turbidity	2019-02-07	K-1900567-01	Air spike or irregular peak; sample reanalyzed. Original sample analysis not representative due to air bubbles.																
Trailside at Hunter LLC	Ammonia (as NH3)	2019-02-07	K-1900567-01	Data reanalyzed due to result above calibration range.																
Trailside at Hunter LLC	Ammonia (as NH3)	2019-02-07	K-1900567-01	This sample was not preserved within 15 minutes of sample collection. Samples pH check in lab was 2.5. Re-poured into different bottle, read 1.3.																
Trailside at Hunter LLC	Ammonia (as NH3)	2019-03-13	K-1901084-01	Data reanalyzed due to result above calibration range.																
Trailside at Hunter LLC	Ammonia (as NH3)	2019-04-10	K-1900035-01	Data reanalyzed due to result above calibration range.																
Trailside at Hunter LLC	CBOD	2019-04-18	K-1901641-01	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Trailside at Hunter LLC	Phosphorus, Total (as P)	2019-04-18	K-1901641-01	Result inadvertently flagged OOS. Result set back to Done status.																
Hunter WTP	Phosphorus, Total (as P)	2019-04-18	K-1901641-03	Result inadvertently flagged OOS. Result set back to Done status.																
Margaretville	Phosphorus, Total (as P)	2019-01-08	K-1805261-10	Data reanalyzed due to result above calibration range.																
Margaretville	Phosphorus, Total (as P)	2019-01-22	K-1900135-10	Result inadvertently flagged OOS. Result set back to Done status.																
Margaretville	Solids, Total Suspended	2019-02-05	K-1900324-10	The end-of-run LOQ was not within 50-150%.																
Margaretville	Solids, Total Suspended	2019-02-05	K-1900324-09	The end-of-run LOQ was not within 50-150%.																
Margaretville	Phosphorus, Total (as P)	2019-02-19	K-1900522-10A	Anomalous data. Suspect contamination.																
Margaretville	Phosphorus, Total (as P)	2019-02-19	K-1900522-10	Analytical procedure error. Expired QCS.																
Margaretville	CBOD	2019-04-16	K-1901409-09	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Margaretville	CBOD	2019-04-16	K-1901409-10	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Margaretville	Coliform, Fecal	2019-05-08	K-1901615-11	Secondary Autoclave Batch Number- 040419B																
Margaretville	Coliform, Fecal	2019-06-05	K-1902223-11	Collection bottle Autoclave Batch 051519C																
Mountain View	Phosphorus, Total (as P)	2019-02-21	K-1900731-02	Data reanalyzed due to result above calibration range.																
Mountain View	Phosphorus, Total (as P)	2019-02-21	K-1900731-02D	Data reanalyzed due to result above calibration range.																
Mountain View	Phosphorus, Total (as P)	2019-02-21	K-1900731-02E	Analytical procedure error.																
Mountain View	Phosphorus, Total (as P)	2019-02-21	K-1900731-02B	Data reanalyzed due to result above calibration range.																
Mountain View	Phosphorus, Total (as P)	2019-02-21	K-1900731-02	Analytical procedure error. Expired QCS.																
Mountain View	Phosphorus, Total (as P)	2019-02-21	K-1900731-02A	Analytical procedure error. Expired QCS.																
Mountain View	Phosphorus, Total (as P)	2019-02-21	K-1900731-02C	Anomalous data. Suspect contamination.																
Mountainside Farms	Chloride	2019-01-02	G-1805359-04	The spike analysis was not within the control limits.																
Mountainside Farms	MBAS	2019-01-02	G-1805359-04	Analysis omitted deliberately. Sample delayed in transit to contract lab resulting in holding time exceedance. .																
Mountainside Farms	Solids, Total Suspended	2019-02-06	G-1900480-04	The end-of-run LOQ was not within 50-150%.																
Mountainside Farms	Phosphorus, Total (as P)	2019-02-20	G-1900576-01	Analytical procedure error. Expired QCS.																
Mountainside Farms	Phosphorus, Total (as P)	2019-02-20	G-1900576-01A	Anomalous data. Suspect contamination.																
Mountainside Farms	BOD	2019-04-03	G-1901367-04	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Mountainside Farms	Phosphorus, Total (as P)	2019-05-01	G-1901819-04	This sample is associated with an equipment blank that is greater than two times the LOQ.																

Plant	Analyte	Sample Date	Sample ID	Qualifier																
Olive Woods	CBOD	2019-02-27	K-1900823-01	Incubator temperature outside of acceptable limits during five day incubation.																
Olive Woods	Phosphorus, Total (as P)	2019-02-27	K-1900823-01	Anomalous data. Suspect contamination.																
Olive Woods	CBOD	2019-06-13	K-1902590-01	Equipment failure. Power outage occurred on a non-business day; incubator temperature fell below lower limit for unknown period of time. QC passed.																
Oorah Catskill Retreat	Phosphorus, Total (as P)	2019-06-25	K-1902792-04	Data reanalyzed due to result above calibration range.																
Pine Hill	Phosphorus, Total (as P)	2019-01-22	K-1900135-12	Result inadvertently flagged OOS. Result set back to Done status.																
Pine Hill	Solids, Total Suspended	2019-02-05	K-1900324-12	The end-of-run LOQ was not within 50-150%.																
Pine Hill	Solids, Total Suspended	2019-02-05	K-1900324-07	The end-of-run LOQ was not within 50-150%.																
Pine Hill	Phosphorus, Total (as P)	2019-02-19	K-1900522-12A	Anomalous data. Suspect contamination.																
Pine Hill	Phosphorus, Total (as P)	2019-02-19	K-1900522-12	Analytical procedure error. Expired QCS.																
Pine Hill	BOD	2019-04-02	K-1901189-12	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Pine Hill	BOD	2019-04-02	K-1901189-07	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Prattsville WTP	Dissolved Oxygen	2019-05-02	K-1901864-02	QC not analyzed. No Post DO analyzed.																
Robert W. Harold Campus	Solids, Total Suspended	2019-01-16	G-1900152-01	The end-of-run LOQ was not within 50-150%.																
Robert W. Harold Campus	Phosphorus, Total (as P)	2019-02-13	G-1900565-01	Analytical procedure error. Expired QCS.																
Robert W. Harold Campus	Phosphorus, Total (as P)	2019-02-13	G-1900565-01A	Anomalous data. Suspect contamination.																
Robert W. Harold Campus	Phosphorus, Total (as P)	2019-02-13	G-1900565-01B	This sample was not analyzed within the acceptable holding time.																
Robert W. Harold Campus	Phosphorus, Total (as P)	2019-04-24	G-1901693-01	This sample is associated with a spiked sample result that was above the high calibrant. The spike recovery was calculated using an extrapolated value.																
Stamford	Total Kjeldahl Nitrogen	2019-02-06	G-1900480-01	Matrix spike recovery was low; the associated blank spike recovery was acceptable.																
Stamford	Total Kjeldahl Nitrogen	2019-02-06	G-1900480-01	MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.																
Stamford	Solids, Total Suspended	2019-02-06	G-1900480-01	The end-of-run LOQ was not within 50-150%.																
Stamford	Phosphorus, Total (as P)	2019-02-20	G-1900576-04	Analytical procedure error. Expired QCS.																
Stamford	Phosphorus, Total (as P)	2019-02-20	G-1900576-04A	Anomalous data. Suspect contamination.																
Stamford	Total Kjeldahl Nitrogen	2019-04-03	G-1901367-01	Sample frozen with visible ice crystals. Sample received at contract lab partially frozen.																
Stamford	Phosphorus, Total (as P)	2019-05-01	G-1901819-01	This sample is associated with an equipment blank that is greater than two times the LOQ.																
Tannersville	Phosphorus, Total (as P)	2019-01-22	K-1900135-02	Result inadvertently flagged OOS. Result set back to Done status.																
Tannersville	Solids, Total Suspended	2019-02-05	K-1900324-02	The end-of-run LOQ was not within 50-150%.																
Tannersville	Solids, Total Suspended	2019-02-05	K-1900324-01	The end-of-run LOQ was not within 50-150%.																
Tannersville	Phosphorus, Total (as P)	2019-02-19	K-1900522-02A	Anomalous data. Suspect contamination.																
Tannersville	Phosphorus, Total (as P)	2019-02-19	K-1900522-02	Analytical procedure error. Expired QCS.																
Tannersville	CBOD	2019-04-16	K-1901409-01	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Tannersville	CBOD	2019-04-16	K-1901409-02	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
Walton	Solids, Total Suspended	2019-01-16	G-1900152-04	The end-of-run LOQ was not within 50-150%.																
Walton	Phosphorus, Total (as P)	2019-02-13	G-1900565-04	Analytical procedure error. Expired QCS.																
Walton	Phosphorus, Total (as P)	2019-02-13	G-1900565-04A	Anomalous data. Suspect contamination.																
Walton	Phosphorus, Total (as P)	2019-02-13	G-1900565-04B	This sample was not analyzed within the acceptable holding time.																
Walton	CBOD	2019-02-27	G-1900771-04	Incubator temperature outside of acceptable limits during five day incubation.																
Walton	Phosphorus, Total (as P)	2019-02-27	G-1900771-04	Anomalous data. Suspect contamination.																
Walton	Ammonia (as NH3)	2019-06-19	G-1902606-04	This sample was not preserved within 15 minutes of sample collection. Collection time 10:50, Preserved time 11:08.																
Windham WTP	BOD	2019-04-04	K-1901421-01	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.																
CLEAR POOL CAMP	Temperature	2019-02-13	E-1900587-01	The duplicate analysis was not within the control limits.																
CLEAR POOL CAMP	Solids, Total Suspended	2019-04-04	E-1901287-04	The end-of-run LOQ was not within 50-150%.																
CLEAR POOL CAMP	Solids, Total Suspended	2019-05-16	E-1902109-01	The end-of-run LOQ was not within 50-150%.																