

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

**WWTP Water Quality Sampling Monitoring Semiannual Report
(July 1 – December 31, 2018)**

March 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 July 1, 2018 through December 31, 2018.

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).

Table 1. DEP samples that contravened SPDES limits July - December 2018.Catskill System:

Facility	Date	Parameter	Daily Measurement	SPDES Limit
Boiceville	12JUL18	Temperature	22.3°C (72.14°F)	70°F
Boiceville	15AUG18	Temperature	22.8°C (73.04°F)	70°F
Boiceville	12SEP18	Temperature	22.4°C (72.32°F)	70°F
Boiceville	10OCT18	Temperature	21.7°C (71.06°F)	70°F
Camp Timberlake	12JUL18	Temperature	22.5°C (72.5°F)	70°F
Camp Timberlake	15AUG18	Temperature	22.7°C (72.86°F)	70°F
Elka Park	01AUG18	Fecal Coliform	460	400 CFU (100mL) ^{-1*}
Hunter	13SEP18	Tot. Chlor. Res.	0.26	0.24 mgL ⁻¹
Hunter	01NOV18	Tot. Chlor. Res.	0.52	0.24 mgL ⁻¹
Mountain View Estates	25JUL18	pH	5.42	6.5 - 8.5
Mountain View Estates	25JUL18	Ammonia	5.73	1.50 mgL ⁻¹
Olive Woods	25JUL18	Ammonia	2.96	1.10 mgL ⁻¹
Olive Woods	15AUG18	Ammonia	2.77	1.10 mgL ⁻¹
Windham	02AUG18	Tot. Chlor. Res.	0.28	0.10 mgL ⁻¹
Windham	06DEC18	Tot. Chlor. Res.	0.17	0.10 mgL ⁻¹

Delaware System:

Facility	Date	Parameter	Daily Measurement	SPDES Limit
Delhi	24OCT18	Phosphorus	0.173	0.11 mgL ⁻¹
Denver Sewer Corp.	01AUG18	Tot. Chlor. Res.	0.36	0.10 mgL ⁻¹
Robert W. Harold Campus	18JUL18	Temperature	23.4°C (74.12°F)	70°F
Robert W. Harold Campus	15AUG18	Temperature	24.6°C (76.28°F)	70°F
Robert W. Harold Campus	19SEP18	Temperature	23.7°C (74.66°F)	70°F
Clear Pool Camp	02AUG18	pH	5.31	6.5 - 8.5
Clear Pool Camp	07AUG18	pH	5.13	6.5 - 8.5
Clear Pool Camp	03OCT18	pH	6.22	6.5 - 8.5
Camp L'Man A'Chai	18JUL18	Temperature	22.5°C (72.5°F)	70°F
Camp L'Man A'Chai	01AUG18	Temperature	21.6°C (70.88°F)	70°F

*SPDES limit is determined by the geometric mean of samples collected within 7 days. This result was from a single day.

Table 2. Results of the comparison of effluent concentrations in DEP's samples with the limits of SPDES permits July - December 2018.

Catskill System:

Ashland WTP

date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
02AUG18		no violations	
19SEP18		no violations	
04OCT18		no violations	
08NOV18		no violations	
06DEC18		no violations	

Boiceville WWTP

date	Parameter	SPDES Violation	SPDES Limit
12JUL18	Temp	22.3°C (72.14°F)	70°F
15AUG18	Temp	22.8°C (73.04°F)	70°F
23AUG18		no violations	
12SEP18	Temp	22.4°C (72.32°F)	70°F
10OCT18	Temp	21.7°C (71.06°F)	70°F
15NOV18		no violations	
12DEC18		no violations	

Camp Machne Tashbar - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
18JUL18		no violations	
22AUG18		no violations	

Camp Timberlake - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
12JUL18	Temp	22.5°C (72.5°F)	70°F
15AUG18	Temp	22.7°C (72.86°F)	70°F
23AUG18		no violations	

Table 2. - continued

Elka Park Association (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
01AUG18	Fecal Coliform	460	400 CFU(100mL) ⁻¹ 7 day geometric mean
13SEP18		no violations	
03OCT18		no violations	

Elka Park Association (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01NOV18		no violations	
13DEC18		no violations	

Grand Gorge (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		no violations	
06JUL18		no violations	
17JUL18		no violations	
18JUL18		no violations	
14AUG18		no violations	
15AUG18		no violations	
21AUG18		no violations	
22AUG18		no violations	
28AUG18		no violations	
04SEP18		no violations	
05SEP18		no violations	
18SEP18		no violations	
19SEP18		no violations	
02OCT18		no violations	
03OCT18		no violations	
16OCT18		no violations	
17OCT18		no violations	

Grand Gorge (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
07NOV18		no violations	
08NOV18		no violations	
20NOV18		no violations	
21NOV18		no violations	
04DEC18		no violations	
05DEC18		no violations	
18DEC18		no violations	
19DEC18		no violations	

Table 2. - continued

Grand Gorge--% removals

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		% removals okay	
17JUL18		% removals okay	
14AUG18		% removal okay	
21AUG18		% removals okay	
28AUG18		% removal okay	
04SEP18		% removals okay	
18SEP18		% removals okay	
02OCT18		% removals okay	
16OCT18		% removals okay	
07NOV18		% removals okay	
20NOV18		% removals okay	
04DEC18		% removals okay	
18DEC18		% removals okay	

Trailside at Hunter LLC (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
18JUL18		no violations	
22AUG18		no violations	
13SEP18		no violations	
03OCT18		no violations	

Trailside at Hunter LLC (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01NOV18		no violations	
05DEC18		no violations	
19DEC18		no violations	

Hunter (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
18JUL18		no violations	
23JUL18		no violations	
01AUG18		no violations	
13SEP18	Tot. Chlor. Res.	0.26	0.24 mgL ⁻¹
03OCT18		no violations	
17OCT18		no violations	

Table 2. - continued

Hunter (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01NOV18	Tot. Chlor. Res.	0.52	0.24 mgL ⁻¹
13DEC18		no violations	

Mountain View Estates

date	Parameter	SPDES Violation	SPDES Limit
25JUL18	pH	5.42	6.5 - 8.5
25JUL18	Ammonia	5.73	1.50 mgL ⁻¹
11OCT18		no violations	
19DEC18		no violations	

Olive Woods LLC (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
25JUL18	Ammonia	2.96	1.10 mgL ⁻¹
15AUG18	Ammonia	2.77	1.10 mgL ⁻¹
23AUG18		no violations	
12SEP18		no violations	
10OCT18		no violations	

Olive Woods LLC (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
15NOV18		no violations	
12DEC18		no violations	

Oorah Catskill Retreat - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
02AUG18		no violations	
05SEP18		no violations	

Table 2. - continued

Pine Hill (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		no violations	
06JUL18		no violations	
17JUL18		no violations	
18JUL18		no violations	
14AUG18		no violations	
15AUG18		no violations	
21AUG18		no violations	
22AUG18		no violations	
28AUG18		no violations	
04SEP18		no violations	
05SEP18		no violations	
18SEP18		no violations	
19SEP18		no violations	
02OCT18		no violations	
03OCT18		no violations	
16OCT18		no violations	
17OCT18		no violations	

Pine Hill (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
07NOV18		no violations	
08NOV18		no violations	
20NOV18		no violations	
21NOV18		no violations	
04DEC18		no violations	
05DEC18		no violations	
18DEC18		no violations	
19DEC18		no violations	

Pine Hill--% removals

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		% removals okay	
17JUL18		% removals okay	
14AUG18		% removal okay	
21AUG18		% removals okay	
28AUG18		% removals okay	
04SEP18		% removals okay	
18SEP18		% removals okay	
02OCT18		% removals okay	
16OCT18		% removals okay	
07NOV18		% removals okay	
20NOV18		% removals okay	
04DEC18		% removals okay	
18DEC18		% removals okay	

Table 2. - continued

Prattsville WTP			
date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
23JUL18		no violations	
02AUG18		no violations	
06SEP18		no violations	
04OCT18		no violations	
17OCT18		no violations	
08NOV18		no violations	
06DEC18		no violations	

Tannersville (summer limits)			
date	Parameter	SPDES Violation	SPDES Limit
05JUL18		no violations	
06JUL18		no violations	
17JUL18		no violations	
18JUL18		no violations	
14AUG18		no violations	
15AUG18		no violations	
21AUG18		no violations	
22AUG18		no violations	
28AUG18		no violations	
04SEP18		no violations	
05SEP18		no violations	
18SEP18		no violations	
19SEP18		no violations	
02OCT18		no violations	
03OCT18		no violations	
16OCT18		no violations	
17OCT18		no violations	

Tannersville (winter limits)			
date	Parameter	SPDES Violation	SPDES Limit
07NOV18		no violations	
08NOV18		no violations	
20NOV18		no violations	
21NOV18		no violations	
04DEC18		no violations	
05DEC18		no violations	
18DEC18		no violations	
19DEC18		no violations	

Table 2. - continued

Tannersville--% removals

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		% removals okay	
17JUL18		% removals okay	
14AUG18		% removals okay	
21AUG18		% removals okay	
28AUG18		% removal okay	
04SEP18		% removals okay	
18SEP18		% removals okay	
02OCT18		% removals okay	
16OCT18		% removals okay	
07NOV18		% removals okay	
20NOV18		% removals okay	
04DEC18		% removals okay	
18DEC18		% removals okay	

Windham (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		no violations	
02AUG18	Tot. Chlor. Res.	0.28	0.10 mgL ⁻¹
06SEP18		no violations	
12SEP18		no violations	
04OCT18		no violations	

Windham (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
08NOV18		no violations	
27NOV18		no violations	
06DEC18	Tot. Chlor. Res.	0.17	0.10 mgL ⁻¹

Table 2. - continued

Delaware System:

Andes

date	Parameter	SPDES Violation	SPDES Limit
18JUL18		no violations	
15AUG18		no violations	
29AUG18		no violations	
19SEP18		no violations	
25SEP18		no violations	
24OCT18		no violations	
20NOV18		no violations	
28NOV18		no violations	
18DEC18		no violations	
19DEC18		no violations	

Delhi WWTP

date	Parameter	SPDES Violation	SPDES Limit
18JUL18		no violations	
15AUG18		no violations	
29AUG18		no violations	
19SEP18		no violations	
24OCT18	Phosphorus	0.173	0.11 mgL ⁻¹
20NOV18		no violations	
28NOV18		no violations	
18DEC18		no violations	

Fleischmanns WWTP

date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
01AUG18		no violations	
05SEP18		no violations	
25SEP18		no violations	
03OCT18		no violations	
07NOV18		no violations	
05DEC18		no violations	
12DEC18		no violations	
19DEC18		no violations	

Table 2. - continued

Grahamsville WWTP

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		no violations	
01AUG18		no violations	
15AUG18		no violations	
05SEP18		no violations	
03OCT18		no violations	
07NOV18		no violations	
13NOV18		no violations	
05DEC18		no violations	

Grahamsville WWTP--% removals

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		% removals okay	
01AUG18		% removals okay	
05SEP18		% removals okay	
03OCT18		% removals okay	
07NOV18		% removals okay	
05DEC18		% removals okay	

Hanah Country Inn and Golf Resort

date	Parameter	SPDES Violation	SPDES Limit
18JUL18		no violations	
15AUG18		no violations	
19SEP18		no violations	
24OCT18		no violations	
20NOV18		no violations	
18DEC18		no violations	

Hobart

date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
01AUG18		no violations	
05SEP18		no violations	
03OCT18		no violations	
07NOV18		no violations	
28NOV18		no violations	
05DEC18		no violations	

Table 2. - continued

Margaretville

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		no violations	
06JUL18		no violations	
17JUL18		no violations	
18JUL18		no violations	
14AUG18		no violations	
15AUG18		no violations	
21AUG18		no violations	
22AUG18		no violations	
28AUG18		no violations	
04SEP18		no violations	
05SEP18		no violations	
18SEP18		no violations	
19SEP18		no violations	
02OCT18		no violations	
03OCT18		no violations	
16OCT18		no violations	
17OCT18		no violations	
07NOV18		no violations	
08NOV18		no violations	
20NOV18		no violations	
21NOV18		no violations	
04DEC18		no violations	
05DEC18		no violations	
18DEC18		no violations	
19DEC18		no violations	

Margaretville--% removals

date	Parameter	SPDES Violation	SPDES Limit
05JUL18		% removals okay	
17JUL18		% removals okay	
14AUG18		% removal okay	
21AUG18		% removals okay	
28AUG18		% removal okay	
04SEP18		% removals okay	
18SEP18		% removals okay	
02OCT18		% removals okay	
16OCT18		% removals okay	
07NOV18		% removals okay	
20NOV18		% removals okay	
04DEC18		% removals okay	
18DEC18		% removals okay	

Table 2. - continued

Mountainside Farms Inc.

date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
23JUL18		no violations	
30JUL18		no violations	
01AUG18		no violations	
05SEP18		no violations	
03OCT18		no violations	
07NOV18		no violations	
05DEC18		no violations	
12DEC18		no violations	

Denver Sewer Corp.

date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
01AUG18	Tot. Chlor. Res.	0.36	0.10 mgL ⁻¹
05SEP18		no violations	
03OCT18		no violations	
07NOV18		no violations	
05DEC18		no violations	

Stamford WWTP

date	Parameter	SPDES Violation	SPDES Limit
11JUL18		no violations	
01AUG18		no violations	
05SEP18		no violations	
18SEP18		no violations	
03OCT18		no violations	
07NOV18		no violations	
05DEC18		no violations	
12DEC18		no violations	
18DEC18		no violations	

Walton WWTP

date	Parameter	SPDES Violation	SPDES Limit
18JUL18		no violations	
15AUG18		no violations	
29AUG18		no violations	
19SEP18		no violations	

Table 2. - continued

Walton WWTP - continued

date	Parameter	SPDES Violation	SPDES Limit
24OCT18		no violations	
20NOV18		no violations	
28NOV18		no violations	
18DEC18		no violations	

Robert W. Harold Campus

date	Parameter	SPDES Violation	SPDES Limit
18JUL18	Temp	23.4°C (74.12°F)	70°F
15AUG18	Temp	24.6°C (76.28°F)	70°F
29AUG18		no violations	
19SEP18	Temp	23.7°C (74.66°F)	70°F
24OCT18		no violations	
20NOV18		no violations	
18DEC18		no violations	

Clear Pool Camp

date	Parameter	SPDES Violation	SPDES Limit
19JUL18		no violations	
02AUG18	pH	5.31	6.5 - 8.5
07AUG18	pH	5.13	6.5 - 8.5
03OCT18	pH	6.22	6.5 - 8.5
17OCT18		no violations	
15NOV18		no violations	

Camp L'Man A'Chai - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
18JUL18	Temp	22.5°C (72.5°F)	70°F
01AUG18	Temp	21.6°C (70.88°F)	70°F
20AUG18		no violations	

Catskill System

Table 3. Raw Data for CAT/DEL WWTP effluent samples collected July - December 2018. 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	2018-07-11	0.006	<3.0			9.1	<1	<0.20		6.48	<0.1	<1.0		16.0	11	<0.1			
Ashland WTP	2018-08-02	0.006	<3.0			8.8	<1	<0.20		6.45	<0.1	<1.0		17.9	17	<0.1			
Ashland WTP	2018-09-19	0.011	<3.0			8.7	<1	<0.20		6.31	<0.1	<1.0		18.2	28	0.10			
Ashland WTP	2018-10-04	0.011	<3.0			9.3	<1	<0.20		6.52	<0.1	<1.1		16.0	70	<0.1			
Ashland WTP	2018-11-08	0.009	<3.0			10.3	<1	<0.20		6.27	<0.1	<1.0		11.2	26	0.10			
Ashland WTP	2018-12-06	0.006	<3.0			10.5	<1	0.27		6.81	<0.1	<1.0		9.0	26	0.10			
Boiceville WTP	2018-07-12	0.12		<3.0		9.1	<1	<0.20		8.17	<0.1	<1.0		22.3	108	0.15			
Boiceville WTP	2018-08-15	0.074		Error		8.9	<1	<0.20		7.67	<0.1	<1.0		22.8	29	0.10			
Boiceville WTP	2018-08-23			<3.0															
Boiceville WTP	2018-09-12	0.031		<3.0		9.0	<1	<0.20		7.49	<0.1	<1.0		22.4	75	0.15			
Boiceville WTP	2018-10-10	0.021		<3.0		9.1	<1	<0.20		7.56	<0.1	<1.0		21.7	149	0.15			
Boiceville WTP	2018-11-15	0.025		<3.0		10.2	<1	<0.20		7.53	<0.1	<1.0		16.3	110	0.15			
Boiceville WTP	2018-12-12	0.024		<3.0		10.6	<1	<0.20		7.38	<0.1	<1.0		13.2	69	0.10			
Camp Machne Tashbar	2018-07-18			<3.0		8.2	<1	<0.20		Error	<0.1	<1.0	<0.05	21.0	15	0.40			
Camp Machne Tashbar	2018-08-22			<3.0		8.1	<1	<0.20		7.58	<0.1	<1.0	<0.05	21.1	670	0.30			
Camp Timberlake	2018-07-12			<3.0		8.1	<1	<0.20		7.40	<0.1	<1.0		22.5	206	0.10			
Camp Timberlake	2018-08-15			Error		8.1	<1	<0.20		7.73	<0.1	<1.0		22.7	128	0.10			
Camp Timberlake	2018-08-23			<3.0															
Elka Park	2018-07-11	0.0007		<3.0		8.6	<1	<0.20		7.32	<0.1	<1.0		19.3	806	0.15			
Elka Park	2018-08-01	0.0034		<3.0		8.7	460	<0.20		7.41	<0.1	<1.0		19.1	365	0.15			
Elka Park	2018-09-13	0.0003		<3.0		8.9	<1	<0.20		7.45	<0.1	<1.0		18.4	437	0.10			
Elka Park	2018-10-03	0.007		<3.0		9.2	<1	<0.20		7.54	<0.1	<1.0		16.3	341	0.10			
Elka Park	2018-11-01	0.0012		<3.0		9.7	<1	<0.20		7.50	<0.1	<1.0		13.1	385	0.15			
Elka Park	2018-12-13	0		<3.0		9.7	<1	0.34		7.48	<0.1	<1.0		12.6	405	0.40			
Grand Gorge*	2018-07-05			148								216							
Grand Gorge	2018-07-05			<3.0				<0.20				<1.1			55				
Grand Gorge	2018-07-06						<1												
Grand Gorge*	2018-07-17			101								128							
Grand Gorge	2018-07-17			<3.0				<0.20				<1.1			45				
Grand Gorge	2018-07-18						<1												
Grand Gorge*	2018-08-14			Error								43.8							
Grand Gorge	2018-08-14			Error				0.42				<1.1			131				
Grand Gorge	2018-08-15						<1												
Grand Gorge*	2018-08-21			26.2								40.0							
Grand Gorge	2018-08-21			<3.0				<0.20				<1.1			36				
Grand Gorge	2018-08-22						<1												
Grand Gorge*	2018-08-28			77.0															
Grand Gorge	2018-08-28			<3.0															

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*	2018-09-04			98.6								96.6							
Grand Gorge	2018-09-04			<3.0				<0.20				<1.1			22				
Grand Gorge	2018-09-05						<1												
Grand Gorge*	2018-09-18			29.3								35.0							
Grand Gorge	2018-09-18			<3.0				0.52				<1.1			107				
Grand Gorge	2018-09-19						<1												
Grand Gorge*	2018-10-02			41.5								49.5							
Grand Gorge	2018-10-02			<3.0				<0.20				<1.1			33				
Grand Gorge	2018-10-03						<1												
Grand Gorge*	2018-10-16			66.4								58.7							
Grand Gorge	2018-10-16			<3.0				<0.20				<1.1			33				
Grand Gorge	2018-10-17						<1												
Grand Gorge	2018-11-07		<3.0						9.06										
Grand Gorge*	2018-11-07			136								101							
Grand Gorge	2018-11-07			<3.0				<0.20				<1.1			17				
Grand Gorge	2018-11-08						<1												
Grand Gorge	2018-11-08				9.7					7.40			<0.05	13.8					
Grand Gorge*	2018-11-20			44.0								38.7							
Grand Gorge	2018-11-20			<3.0				<0.20				<1.1			15				
Grand Gorge	2018-11-21						<1												
Grand Gorge*	2018-12-04			41.4								31.1							
Grand Gorge	2018-12-04			<3.0				<0.20				<1.1			11				
Grand Gorge	2018-12-05						<1												
Grand Gorge*	2018-12-18			63.6								76.8							
Grand Gorge	2018-12-18			<3.0				<0.20				<1.1			9				
Grand Gorge	2018-12-19						<1												
Trailside at Hunter LLC	2018-07-18			<3.0		7.3	<1	<0.20		Error	<0.1	<1.0	<0.05	23.3	18	0.10			
Trailside at Hunter LLC	2018-08-22			<3.0		7.5	<1	<0.20		6.73	<0.1	<1.0	<0.05	21.4	8	0.10			
Trailside at Hunter LLC	2018-08-22									7.00				21.4		<0.1			
Trailside at Hunter LLC	2018-09-13			<3.0		8.4	<1	<0.20		7.02	<0.1	<1.0	<0.05	20.6	9	0.10			
Trailside at Hunter LLC	2018-10-03			<3.0		8.8	<1	<0.20		7.45	<0.1	<1.0	<0.05	17.9	7	0.10			
Trailside at Hunter LLC	2018-11-01			<3.0		9.9	<1	<0.20		7.25	<0.1	<1.0	<0.05	11.0	8	0.10			
Trailside at Hunter LLC	2018-12-05									7.46				5.6		0.25			
Trailside at Hunter LLC	2018-12-19			<3.0		10.8	<1	<0.20		7.67	<0.1	<1.0	<0.05	9.3	12	0.25			
Hunter WTP	2018-07-18		<3.0			8.3	<1	<0.20		Error	<0.1	<1.0	<0.05	21.1	37	0.10			
Hunter WTP	2018-07-23									6.59				20.6		0.10			
Hunter WTP	2018-08-01		<3.0			8.4	<1	<0.20		6.62	<0.1	<1.0	<0.05	20.3	14	0.10			
Hunter WTP	2018-09-13	0.119	<3.0			8.9	<1	<0.20		6.78	<0.1	<1.0	0.26	20.0	16	0.10			
Hunter WTP	2018-10-03	0.145	<3.0			9.0	<1	0.21		6.87	<0.1	<1.0	<0.05	17.4	10	0.15			

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	2018-10-17									7.15				16.1		0.15			
Hunter WTP	2018-11-01		<3.0			10.2	<1	<0.20		7.07	<0.1	<1.0	0.52	12.7	8	0.10			
Hunter WTP	2018-12-13	0.1437	<3.0			12.0	<1	<0.20		6.97	<0.1	<1.0	<0.05	5.9	9	0.45			
Mountain View	2018-07-25			<3.0		7.9	<1	5.73		5.42	<0.1	<1.0		23.0	19	0.10			
Mountain View	2018-10-11	0.003		<3.0		7.9	<1	<0.20		7.80	<0.1	<1.0		24.0	199	0.20			
Mountain View	2018-12-19			<3.0		10.1	<1	<0.20		7.58	<0.1	<1.0		13.0	752	0.10			
Olive Woods	2018-07-25			<3.0		8.9	E1	2.96		7.53	<0.1	<1.0		18.9	18	0.10			
Olive Woods	2018-08-15			Error		8.7	E1	2.77		7.99	<0.1	<1.1		20.8	190	0.10			
Olive Woods	2018-08-23			<3.0															
Olive Woods	2018-09-12			<3.0		9.2	<1	<0.20		7.72	<0.1	<1.0		19.0	25	0.10			
Olive Woods	2018-10-10	0.0007		<3.0		9.1	<1	<0.20		7.65	<0.1	<1.0		19.3	6	0.10			
Olive Woods	2018-11-15			<3.0		10.4	<1	<0.20		7.77	<0.1	<1.0		12.3	5	0.20			
Olive Woods	2018-12-12	0.0009		<3.0		10.6	<1	<0.20		8.07	<0.1	<1.0		11.0	7	0.10			
Oorah Catskill Retreat	2018-07-11			<3.0		8.8	<1	<0.20		7.33	<0.1	<1.0		18.9	645	0.15			
Oorah Catskill Retreat	2018-08-02			<3.0		8.5	E1	<0.20		7.04	<0.1	<1.1		19.9	584	0.15			
Oorah Catskill Retreat	2018-09-05			<3.0		8.6	<1	<0.20		7.11	<0.1	<1.0		20.6	513	0.10			
Pine Hill*	2018-07-05		76.2									196							
Pine Hill	2018-07-05		<3.0					<0.20				<1.0			17				
Pine Hill	2018-07-06						<1												
Pine Hill*	2018-07-17		124									214							
Pine Hill	2018-07-17		<3.0					<0.20				<1.1			12				
Pine Hill	2018-07-18						<1												
Pine Hill*	2018-08-14		Error									28.5							
Pine Hill	2018-08-14		Error					<0.20				<1.1			18				
Pine Hill	2018-08-15						<1												
Pine Hill*	2018-08-21		35.5									64.3							
Pine Hill	2018-08-21		<3.0					<0.20				<1.1			11				
Pine Hill	2018-08-22						<1												
Pine Hill*	2018-08-28		48.5																
Pine Hill	2018-08-28		<3.0																
Pine Hill*	2018-09-04		48.2									24.8							
Pine Hill	2018-09-04		<3.0					<0.20				<1.0			15				
Pine Hill	2018-09-05						<1												
Pine Hill*	2018-09-18		49.6									72.4							
Pine Hill	2018-09-18		<3.0					<0.20				<1.1			11				
Pine Hill	2018-09-19						<1												
Pine Hill*	2018-10-02		25.5									59.2							
Pine Hill	2018-10-02		<3.0					<0.20				<1.1			9				
Pine Hill	2018-10-03						<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*	2018-10-16		94.2									79.5							
Pine Hill	2018-10-16		<3.0					<0.20				<1.0		7					
Pine Hill	2018-10-17						<1												
Pine Hill*	2018-11-07		20									19.5							
Pine Hill	2018-11-07		<3.0					<0.20				<1.1		12					
Pine Hill	2018-11-08						<1												
Pine Hill*	2018-11-20		56.6									30.0							
Pine Hill	2018-11-20		<3.0					<0.20				<1.0		7					
Pine Hill	2018-11-21						<1												
Pine Hill*	2018-12-04		24.6									25.7							
Pine Hill	2018-12-04		<3.0					<0.20				<1.1		9					
Pine Hill	2018-12-05						<1												
Pine Hill*	2018-12-18		53.7									83.1							
Pine Hill	2018-12-18		<3.0					<0.20				<1.1		10					
Pine Hill	2018-12-19						<1												
Prattsville WTP	2018-07-11			<3.0		4.1	<1			7.18	<0.1	<1.0		19.1	87	0.15			
Prattsville WTP	2018-07-23									7.04				19.5		0.20			
Prattsville WTP	2018-08-02	0.014		<3.0		5.9	<1			6.92	<0.1	<1.0		19.8	30	0.10			<1
Prattsville WTP	2018-09-06	0.018		<3.0		6.3	<1			7.24	<0.1	<1.0		21.6	46	0.15			<1.0
Prattsville WTP	2018-10-04	0.019		<3.0		5.8	<1			6.94	<0.1	<1.0		19.7	45	0.10			
Prattsville WTP	2018-10-17									7.32				18.8		0.15			
Prattsville WTP	2018-11-08	0.017		<3.0		6.9	<1			6.96	<0.1	<1.0		16.6	58	0.10			0.65
Prattsville WTP	2018-12-06	0.018		<3.0		8.7	<1			7.04	<0.1	<1.0		14.3	97	0.10			
Tannersville*	2018-07-05			168								192							
Tannersville	2018-07-05			<3.0				<0.20				<1.1		85					
Tannersville	2018-07-06						<1												
Tannersville*	2018-07-17			107								108							
Tannersville	2018-07-17			<3.0				0.32				<1.0		37					
Tannersville	2018-07-18						<1												
Tannersville*	2018-08-14			Error								30.6							
Tannersville	2018-08-14			Error				<0.20				<1.1		20					
Tannersville	2018-08-15						<1												
Tannersville*	2018-08-21			70.6								87.7							
Tannersville	2018-08-21			<3.0				<0.20				<1.1		21					
Tannersville	2018-08-22						<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*	2018-08-28			134															
Tannersville	2018-08-28			<3.0															
Tannersville*	2018-09-04			136								180							
Tannersville	2018-09-04			<3.0				<0.20				<1.1		30					
Tannersville	2018-09-05						<1												
Tannersville*	2018-09-18			20								22.6							
Tannersville	2018-09-18			<3.0				<0.20				<1.1		23					
Tannersville	2018-09-19						<1												
Tannersville*	2018-10-02			53.2								72.7							
Tannersville	2018-10-02			<3.0				<0.20				<1.1		16					
Tannersville	2018-10-03						<1												
Tannersville*	2018-10-16			89.4								79.0							
Tannersville	2018-10-16			<3.0				<0.20				<1.1		16					
Tannersville	2018-10-17						<1												
Tannersville	2018-11-07		<3.0						4.39										
Tannersville*	2018-11-07			47.0								41.1							
Tannersville	2018-11-07			<3.0				<0.20				<1.0		10					
Tannersville	2018-11-08						<1												
Tannersville	2018-11-08				9.7					7.56			<0.05	13.3					
Tannersville*	2018-11-20			111								55.7							
Tannersville	2018-11-20			<3.0				<0.20				<1.1		6					
Tannersville	2018-11-21						<1												
Tannersville*	2018-12-04			23.9								35.9							
Tannersville	2018-12-04			<3.0				<0.20				<1.1		4					
Tannersville	2018-12-05						<1												
Tannersville*	2018-12-18			78.9								93.3							
Tannersville	2018-12-18			<3.0				<0.20				<1.1		16					
Tannersville	2018-12-19						<1												
Windham WTP	2018-07-05			<3.0				<0.20				<1.1	<0.05		19				<1.0
Windham WTP	2018-07-05			<3.0		8.9	<1	<0.20		6.71	<0.1	<1.0	<0.05	20.1	18	0.10			<1.0
Windham WTP	2018-08-02	0.355		<3.0		9.0	<1	0.28		7.02	<0.1	<1.0	0.28	18.9	31	0.20			<1
Windham WTP	2018-09-06	0.17		<3.0		8.7	<1	<0.20		7.24	<0.1	<1.0	<0.05	20.6	32	0.20			<1.0
Windham WTP	2018-09-12									6.78				17.9		0.15			
Windham WTP	2018-10-04		<3.0			9.3	<1			7.17	<0.1	<1.0	<0.05	17.6	37	0.15			
Windham WTP	2018-11-08	0.348	<3.0			10.2	<1			7.28	<0.1	<1.0	<0.05	12.5	19	0.20			
Windham WTP	2018-11-27									6.44				9.4		0.25			
Windham WTP	2018-12-06		<3.0			11.2	<1			7.18	<0.1	<1.0	0.17	7.5	17	0.20			

Delaware System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Andes	2018-07-18		<3.0			8.7	<1	<0.20		7.76	<0.1	<1.0		19.3	41	<0.1			
Andes	2018-08-15	0.063	Error			8.6	<1	<0.20		7.61	<0.1	<1.0		20.3	92	1.2			
Andes	2018-08-29	0.044	<3.0																
Andes	2018-09-19	0.049	<3.0			8.7	<1	<0.20		7.85	<0.1	<1.0		19.0	100	0.35			
Andes	2018-09-25									7.71				17.9		0.10			
Andes	2018-10-24	0.043	<3.0			9.5	<1	<0.20		7.66	<0.1	<1.1		15.1	74	0.10			
Andes	2018-11-20	0.002	<3.0			10.5	<1	<0.20		7.55	<0.1	<1.0		12.0	36	0.40			
Andes	2018-11-28	0.067	<3.0					<0.20			<0.1	<1.1			25	0.15			
Andes	2018-12-18	0.051	<3.0			10.6	<1	<0.20		7.66	<0.1	<1.0		9.8	20	0.35			
Andes	2018-12-19									7.27				9.2		<0.1			
Camp L'Man A'Chai	2018-07-18			<3.0		7.8	<1	1.66		7.23	<0.1	<1.0		22.5	263	<0.1			
Camp L'Man A'Chai	2018-08-01			<3.0		7.9	E1	2.72		7.58	<0.1	<1.0		21.6	353	0.10			
Camp L'Man A'Chai	2018-08-20							1.27											
Delhi	2018-07-18	0.554		<3.0		6.0	E9	<0.20		7.55	0.1	6.2	<0.04	25.8	73	0.75			1.1
Delhi	2018-08-15	0.638		Error		5.9	E4	<0.20		7.58	<0.1	1.3	<0.04	26.2	44	0.75			1
Delhi	2018-08-29	0.707		<3.0									<0.04						
Delhi	2018-09-19	0.736		<3.0		5.9	<1	<0.20		7.59	0.1	<1.0	0.09	25.7	32	1.1			<1.0
Delhi	2018-10-24	0.67		<3.0		8.1	<1	<0.20		7.58	<0.1	<1.0	<0.04	20.1	173	0.65			0.85
Delhi	2018-11-20	0.681		<3.0		8.6	E1	<0.20		7.22	0.1	5.7	<0.04	16.2	87	1.1			1.2
Delhi	2018-11-28	0.78		<3.0				<0.20			<0.1	4.5	<0.04		68	1.5			1.4
Delhi	2018-12-18	0.6		5.2		8.4	<1	<0.20		7.47	<0.1	<1.0	<0.04	15.2	20	0.95			1.0
Denver Sewer Corp.	2018-07-11	0.005		<3.0		8.2	<1	<0.20		7.38	<0.1	<1.0	<0.04	18.4	98	0.55			
Denver Sewer Corp.	2018-08-01	0.008		<3.0		8.5	<1	<0.20		7.25	<0.1	<1.1	0.36	18.6	115	0.45			
Denver Sewer Corp.	2018-09-05	0.01		<3.0		7.7	E1	<0.20		7.31	<0.1	<1.0	<0.04	20.6	166	0.50			
Denver Sewer Corp.	2018-10-03	0.028		<3.0		7.8	<1	<0.20		7.30	<0.1	<1.1	<0.04	16.1	173	0.70			
Denver Sewer Corp.	2018-11-07	0.0162		<3.0		10.0	<1	<0.20		7.57	<0.1	<1.0	<0.04	11.2	163	0.65			
Denver Sewer Corp.	2018-12-05			<3.0		11.3	E11	<0.20		7.38	<0.1	<1.0	<0.04	5.8	125	0.55			
Fleischmanns	2018-07-11	0.082		<3.0		8.8	<1	<0.20		6.91	<0.1	<1.0	<0.04	17.9	27	0.25			
Fleischmanns	2018-08-01	0.102		<3.0		8.6	<1	<0.20		6.66	<0.1	1.4	<0.04	18.8	69	1.5			
Fleischmanns	2018-09-05	0.032		<3.0		8.5	<1	<0.20		7.23	<0.1	<1.0	<0.04	19.8	20	0.20			
Fleischmanns	2018-09-25									7.42				16.7		0.10			
Fleischmanns	2018-10-03	0.072		<3.0		8.9	<1	<0.20		7.29	<0.1	<1.0	<0.04	16.5	10	0.15			
Fleischmanns	2018-11-07	0.0707		<3.0		12.2	<1	<0.20		7.23	<0.1	<1.0	<0.04	12.4	11	0.10			
Fleischmanns	2018-12-05	0.034		<3.0		12.6	<1	<0.20		7.23	<0.1	<1.0	<0.04	9.1	22	0.15			
Fleischmanns	2018-12-12	0.024		<3.0				<0.20			<0.1	<1.0	0.02		29	0.30			
Fleischmanns	2018-12-19									7.15				8.1		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
Grahamsville*	2018-07-05			85.2								40.5							
Grahamsville	2018-07-05			<3.0				<0.20				<1.0			67				
Grahamsville	2018-07-05						E14												
Grahamsville*	2018-08-01			73.5								119							
Grahamsville	2018-08-01			<3.0				0.21				<1.0			52				
Grahamsville	2018-08-01						E13												
Grahamsville	2018-08-15									7.62				20.6		0.10			
Grahamsville*	2018-09-05			88.2								122							
Grahamsville	2018-09-05						<1												
Grahamsville	2018-09-05			<3.0				<0.20				<1.0			43				
Grahamsville*	2018-10-03			49.4								31.1							
Grahamsville	2018-10-03			<3.0				<0.20				<1.1			104				
Grahamsville	2018-10-03						E3												
Grahamsville	2018-11-07						<1												
Grahamsville*	2018-11-07			57.5								74.7							
Grahamsville	2018-11-07			<3.0				<0.20				<1.1			51				
Grahamsville	2018-11-13									7.50				14.5		0.10			
Grahamsville	2018-12-05						<1												
Grahamsville*	2018-12-05			86.0								123							
Grahamsville	2018-12-05			<3.0				<0.20				<1.0			52				
Hanah Country Inn and Golf Resort	2018-07-18	0				6.7				7.04		<1.0		20.5	249				
Hanah Country Inn and Golf Resort	2018-08-15	0.026				7.0				7.23		<1.0		21.6	254				
Hanah Country Inn and Golf Resort	2018-09-19	0.007				5.4				6.83		2.1		20.2	450				
Hanah Country Inn and Golf Resort	2018-10-24	0.002				7.7				7.25		1.5		12.3	291				
Hanah Country Inn and Golf Resort	2018-11-20	0				9.5				7.29		<1.1		8.8	111				
Hanah Country Inn and Golf Resort	2018-12-18	0.001				9.4				7.27		1.9		5.6	158				
Hobart	2018-07-11	0.093		<3.0		7.5	<1	<0.20		6.91	<0.1	<1.0		19.2	12	0.30			
Hobart	2018-08-01	0.082		<3.0		7.2	<1	<0.20		6.86	<0.1	<1.0		20.5	12	0.30			
Hobart	2018-09-05	0.077		<3.0		7.4	<1	<0.20		6.92	<0.1	<1.0		20.5	26	<0.1		550	
Hobart	2018-10-03	0.096		<3.0		7.4	<1	<0.20		6.42	<0.1	<1.0		18.3	28	0.35			
Hobart	2018-11-07	0.114		<3.0		8.7	<1	<0.20		6.74	<0.1	<1.1		15.2	32	0.20			
Hobart	2018-11-28	0.08		<3.0				0.21			<0.1	<1.1			16	0.50		550	
Hobart	2018-12-05	0.102		<3.0		8.5	<1	<0.20		6.53	<0.1	<1.0		12.0	10	0.10			
Margaretville*	2018-07-05			151								199							
Margaretville	2018-07-05			<3.0				<0.20				<1.1			109				
Margaretville	2018-07-06						E1												
Margaretville*	2018-07-17			182								246							
Margaretville	2018-07-17			<3.0				<0.20				<1.0			111				
Margaretville	2018-07-18						<1												
Margaretville*	2018-08-14			Error								67.3							
Margaretville	2018-08-14			Error				<0.20				<1.0			137				
Margaretville	2018-08-15						<1												

Delaware System

Plant	Sample Date	Flow	BOD5	CBOD5	CL	DO	FColi	NH3	NO3	pH	SETSLDS	SUSPSLDS	TCR	Temperature	TP	Turbidity	MBAS	TDS	TKN
Margaretville*	2018-08-21			20								37.4							
Margaretville	2018-08-21			<3.0				<0.20				<1.0			153				
Margaretville	2018-08-22						<1												
Margaretville*	2018-08-28			68.8															
Margaretville	2018-08-28			3.2															
Margaretville*	2018-09-04			117								143							
Margaretville	2018-09-04			<3.0				<0.20				<1.1			96				
Margaretville	2018-09-05						<1												
Margaretville*	2018-09-18			141								320							
Margaretville	2018-09-18			<3.0				<0.20				<1.1			102				
Margaretville	2018-09-19						E10												
Margaretville*	2018-10-02			111								182							
Margaretville	2018-10-02			<3.0				<0.20				<1.1			76				
Margaretville	2018-10-03						<1												
Margaretville*	2018-10-16			110								183							
Margaretville	2018-10-16			<3.0				<0.20				<1.1			123				
Margaretville	2018-10-17						<1												
Margaretville	2018-11-07							<0.20											
Margaretville*	2018-11-07			105								123							
Margaretville	2018-11-07			<3.0				<0.20				<1.1			92				
Margaretville	2018-11-08						<1												
Margaretville*	2018-11-20			154								148							
Margaretville	2018-11-20			<3.0				<0.20				<1.0			259				
Margaretville	2018-11-21						<1												
Margaretville*	2018-12-04			56.0								132							
Margaretville	2018-12-04			<3.0				<0.20				<1.1			161				
Margaretville	2018-12-05						<1												
Margaretville*	2018-12-18			107								153							
Margaretville	2018-12-18			<3.0				<0.20				<1.1			120				
Margaretville	2018-12-19						<1												
Mountainside Farms	2018-07-11	0.069	<3.0		289	6.9			10.44	7.61		<1.0		27.7	19	0.35			
Mountainside Farms	2018-07-23	0.0358																	
Mountainside Farms	2018-07-30									7.68				27.5				<0.1	
Mountainside Farms	2018-08-01	0.047	<3.0		348	7.0			18.55	7.57		<1.1		27.7	11	0.60	0.1		
Mountainside Farms	2018-09-05	0.057	<3.0		368	7.0			5.70	7.56		<1.0		27.3	12	0.45	<0.1		
Mountainside Farms	2018-10-03	0.059	<3.0		352	7.0			1.42	7.63		1.1		23.5	30	0.30	<0.1		
Mountainside Farms	2018-11-07	0.0469	<3.0		327	7.7			14.37	7.58		<1.0		20.4	65	0.20	<0.1		
Mountainside Farms	2018-12-05	0.022	<3.0		355	8.4			5.40	7.63		<1.0		16.8	17	0.25			
Mountainside Farms	2018-12-12	0.047	<3.0		366				5.52			<1.1			17	0.35	<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	2018-07-18	0.005	<3.0			6.3	<1	<0.20		7.60	<0.1	<1.0		23.4	71	0.25		1300	
Robert W. Harold Campus	2018-08-15	0.006	Error			6.4	<1	<0.20		7.58	<0.1	<1.0		24.6	104	0.85		670	
Robert W. Harold Campus	2018-08-29	0.004	<3.0																
Robert W. Harold Campus	2018-09-19	0.005	<3.0			5.8	<1	<0.20		7.56	<0.1	<1.1		23.7	59	0.20		810	
Robert W. Harold Campus	2018-10-24	0.004	<3.0			7.7	<1	<0.20		7.22	<0.1	<1.1		16.7	78	0.25		790	
Robert W. Harold Campus	2018-11-20	0.001	<3.0			6.6	<1	<0.20		7.18	<0.1	<1.1		17.1	99	0.45		990	
Robert W. Harold Campus	2018-12-18	0.005	<3.0			7.8	<1	<0.20		7.34	<0.1	<1.0		14.2	68	0.30		1100	
Stamford	2018-07-11	0.129	4.4			8.5	<1	<0.20		6.35	<0.1	<1.1	<0.04	18.4	22	0.10			<1.0
Stamford	2018-08-01	0.205	5.1			8.4	E1	1.05		6.83	<0.1	<1.0	<0.04	18.9	12	0.10			1.7
Stamford	2018-09-05	0.25	5.2			8.2	<1	<0.20		6.75	<0.1	<1.1	<0.04	20.4	8	0.10			<1.0
Stamford	2018-09-18									6.83				18.7		0.10			
Stamford	2018-10-03	0.433	3.2			9.0	<1	<0.20		7.11	<0.1	<1.0	<0.04	16.6	5	0.15			0.4
Stamford	2018-11-07	0.735	<3.0			9.6	E3	<0.20		6.94	<0.1	<1.0	<0.04	12.7	4	0.15			0.48
Stamford	2018-12-05	0.74	3.0			11.2	<1	0.21		6.90	<0.1	<1.0	<0.04	9.2	4	0.25			0.59
Stamford	2018-12-12	0.465	3.8					0.51			<0.1	<1.0	<0.04		8	0.50			1.1
Stamford	2018-12-18									7.14				7.2		0.30			
Walton	2018-07-18	1.368	<3.0			8.1	<1	<0.20		7.63	<0.1	<1.0	<0.04	23.1	11	0.40			<1
Walton	2018-08-15	1.942	Error			8.3	<1	<0.20		7.35	<0.1	<1.0	<0.04	21.9	26	0.70			1.1
Walton	2018-08-29	1.552	<3.0										<0.04						
Walton	2018-09-19	1.58	<3.0			8.1	E2	<0.20		7.76	<0.1	<1.0	<0.04	23.1	5	0.65			<1.000
Walton	2018-10-24	1.51	<3.0			8.8	<1	<0.20		7.45	<0.1	<1.0	<0.04	19.3	7	0.75			0.55
Walton	2018-11-20	1.359	<3.0			10.1	<1	0.51		7.08	<0.1	<1.0	<0.04	14.3	5	0.30			0.99
Walton	2018-11-28	1.898	<3.0					<0.20			<0.1	<1.0	<0.04		8	0.75			0.93
Walton	2018-12-18	1.365	3.7			9.8	<1	<0.20		7.40	<0.1	<1.0	<0.04	13.4	7	0.40			0.81
CLEAR POOL CAMP	2018-07-19		<3.0			7.8	E30	<0.20		7.32	<0.1	<1.0		27.9	22				
CLEAR POOL CAMP	2018-08-02		<3.0			7.7	<1	4.25		5.31	<0.1	<1.0		29.0	28				
CLEAR POOL CAMP	2018-08-07		<3.0			7.4	<1	3.95		5.13	<0.1	<1.0		30.6	18				
CLEAR POOL CAMP	2018-10-03		<3.0			7.7	<1	<0.20		6.22	<0.1	1.1		27.2	16				
CLEAR POOL CAMP	2018-10-17		<3.0			8.2	<1	<0.20		6.79	<0.1	<1.0		24.3	53				
CLEAR POOL CAMP	2018-11-15		<3.0			9.0	<1	<0.20		7.04	<0.1	<1.0		19.1	10				

Table 4. Data Qualifiers

Plant	Analyte	Sample Date	Sample ID	Qualifier
Andes	BOD	2018-08-15	G-1803027-03	QC failed.
Andes	BOD	2018-08-29	G-1803344-03	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.
Andes	Ammonia (as NH3)	2018-11-28	G-1804810-02	This sample was not preserved within 15 minutes of sample collection. sample not preserved within 15 minutes of composite end time.
Andes	Phosphorus, Total (as P)	2018-11-28	G-1804810-02	This sample was not preserved within 15 minutes of sample collection. sample not preserved within 15 minutes of composite end time.
Andes	Ammonia (as NH3)	2018-12-18	G-1805182-03	The end-of-run LOQ was not within 50-150%.
Ashland WTP	Phosphorus, Total (as P)	2018-07-11	K-1802519-04	The spike analysis was not within the control limits.
Ashland WTP	Solids, Total Suspended	2018-09-19	K-1803674-02	The end-of-run LOQ was not within 50-150%.
Ashland WTP	Ammonia (as NH3)	2018-11-08	K-1804506-03	The end-of-run LOQ was not within 50-150%.
Ashland WTP	Ammonia (as NH3)	2018-12-06	K-1805013-03	QC failed.
Boiceville WTP	Dissolved Oxygen	2018-07-12	K-1802517-02	The duplicate analysis was not within the control limits.
Boiceville WTP	Temperature	2018-07-12	K-1802517-02	The duplicate analysis was not within the control limits.
Boiceville WTP	Ammonia (as NH3)	2018-07-12	K-1802517-02	Analytical procedure error.
Boiceville WTP	Temperature	2018-08-15	K-1803144-02	The duplicate analysis was not within the control limits.
Boiceville WTP	CBOD	2018-08-15	K-1803144-02	QC failed.
Boiceville WTP	Phosphorus, Total (as P)	2018-10-10	K-1804028-02	Data reanalyzed. Table error.
Boiceville WTP	Ammonia (as NH3)	2018-12-12	K-1805124-02	The end-of-run LOQ was not within 50-150%.
Camp L'Man A'Chai	Phosphorus, Total (as P)	2018-07-18	G-1802586-01	Data reanalyzed due to result above calibration range.
Camp L'Man A'Chai	Phosphorus, Total (as P)	2018-08-01	G-1802819-06	Data reanalyzed due to result above calibration range.
Camp Machne Tashbar	pH	2018-07-18	K-1802654-04	QC failed. POST 6 run twice, 6.13, 6.11, both failed.
Camp Machne Tashbar	Phosphorus, Total (as P)	2018-08-22	K-1803247-03	Data reanalyzed due to result above calibration range.
Camp Timberlake	Phosphorus, Total (as P)	2018-07-12	K-1802517-03	Data reanalyzed due to result above calibration range.
Camp Timberlake	Ammonia (as NH3)	2018-07-12	K-1802517-03B	Analytical procedure error.
Camp Timberlake	Ammonia (as NH3)	2018-07-12	K-1802517-03	Analytical procedure error.
Camp Timberlake	CBOD	2018-08-15	K-1803144-03	QC failed.
Delhi	Ammonia (as NH3)	2018-08-15	G-1803027-02	This sample was not preserved within 15 minutes of sample collection. Sample acidified after laboratory reception.
Delhi	CBOD	2018-08-15	G-1803027-02	QC failed.
Delhi	Total Kjeldahl Nitrogen	2018-09-19	G-1803670-02	Analyte is positively identified, but tentatively quantified as an estimate concentration. The analyte was either detected between MDL and MRL or did not meet any one of the required QC criteria.
Delhi	Phosphorus, Total (as P)	2018-10-24	G-1804200-02	This sample is associated with a spiked sample result that was above the high calibrant. The spike recovery was calculated using an extrapolated value.
Delhi	Total Kjeldahl Nitrogen	2018-11-28	G-1804810-01	This sample was not preserved within 15 minutes of sample collection. sample not preserved within 15 minutes of composite end time.
Delhi	Ammonia (as NH3)	2018-11-28	G-1804810-01	This sample was not preserved within 15 minutes of sample collection. sample not preserved within 15 minutes of composite end time.
Delhi	Phosphorus, Total (as P)	2018-11-28	G-1804810-01	This sample was not preserved within 15 minutes of sample collection. sample not preserved within 15 minutes of composite end time.
Delhi	Total Kjeldahl Nitrogen	2018-11-28	G-1804810-01	Sample frozen with visible ice crystals. Sample received by contract lab partially frozen. .
Delhi	Ammonia (as NH3)	2018-12-18	G-1805182-02	The end-of-run LOQ was not within 50-150%.
Denver Sewer Corp.	Ammonia (as NH3)	2018-07-11	G-1802470-03	Analytical procedure error.
Denver Sewer Corp.	Ammonia (as NH3)	2018-08-01	G-1802819-03	This sample was not preserved within 15 minutes of sample collection.
Denver Sewer Corp.	Ammonia (as NH3)	2018-11-07	G-1804512-03	The end-of-run LOQ was not within 50-150%.
Denver Sewer Corp.	Ammonia (as NH3)	2018-12-05	G-1804907-03	QC failed.
Elka Park	Phosphorus, Total (as P)	2018-07-11	K-1802570-01	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2018-08-01	K-1802923-03	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2018-09-13	K-1803581-02	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2018-10-03	K-1803932-02	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2018-11-01	K-1804436-02	Data reanalyzed due to result above calibration range.
Elka Park	Phosphorus, Total (as P)	2018-12-13	K-1805122-02	Data reanalyzed due to result above calibration range.
Elka Park	Ammonia (as NH3)	2018-12-13	K-1805122-02	The end-of-run LOQ was not within 50-150%.
Fleischmanns	Ammonia (as NH3)	2018-07-11	G-1802470-08	Analytical procedure error.
Fleischmanns	Ammonia (as NH3)	2018-11-07	G-1804512-05	The end-of-run LOQ was not within 50-150%.
Fleischmanns	Ammonia (as NH3)	2018-12-05	G-1804907-05	QC failed.
Fleischmanns	Ammonia (as NH3)	2018-12-12	G-1805030-02	The end-of-run LOQ was not within 50-150%.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Grand Gorge	Nitrate/Nitrite (as N)	2018-07-17	K-1802463-05	Data reanalyzed due to result above calibration range.
Grand Gorge	Nitrate/Nitrite (as N)	2018-07-17	K-1802463-05	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Nitrate/Nitrite (as N)	2018-07-17	K-1802463-05B	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Nitrate/Nitrite (as N)	2018-07-17	K-1802463-05A	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Ammonia (as NH3)	2018-07-17	K-1802463-05	Analytical procedure error.
Grand Gorge	Nitrate/Nitrite (as N)	2018-07-17	K-1802463-05A	Data reanalyzed due to result above calibration range.
Grand Gorge	CBOD	2018-08-14	K-1802648-05	QC failed.
Grand Gorge	CBOD	2018-08-14	K-1802648-04	QC failed.
Grand Gorge	Solids, Total Suspended	2018-10-16	K-1803919-04	The end-of-run LOQ was not within 50-150%.
Grand Gorge	Solids, Total Suspended	2018-10-16	K-1803919-05	The end-of-run LOQ was not within 50-150%.
Grand Gorge	Nitrate (as N)	2018-11-07	K-1804588-05A	This sample was not analyzed within the acceptable holding time.
Grand Gorge	Ammonia (as NH3)	2018-11-07	K-1804608-05	The end-of-run LOQ was not within 50-150%.
Grand Gorge	Nitrate/Nitrite (as N)	2018-11-07	K-1804608-05	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Nitrate (as N)	2018-11-07	K-1804588-05A	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Nitrate (as N)	2018-11-07	K-1804588-05	Data reanalyzed due to result above calibration range.
Grand Gorge	Nitrate (as N)	2018-11-07	K-1804588-05	This sample is not filtered within 15 minutes of sample collection.
Grand Gorge	Ammonia (as NH3)	2018-12-18	K-1805006-05	QC failed.
Hanah Country Inn and Golf Resort	Phosphorus, Total (as P)	2018-07-18	G-1802587-05	Data reanalyzed due to result above calibration range.
Hanah Country Inn and Golf Resort	Phosphorus, Total (as P)	2018-08-15	G-1803027-05	Data reanalyzed due to result above calibration range.
Hanah Country Inn and Golf Resort	Phosphorus, Total (as P)	2018-09-19	G-1803670-05	Data reanalyzed due to result above calibration range.
Hanah Country Inn and Golf Resort	Phosphorus, Total (as P)	2018-10-24	G-1804200-05	Data reanalyzed due to result above calibration range.
Hobart	Ammonia (as NH3)	2018-12-05	G-1804907-02	QC failed.
Trailside at Hunter LLC	pH	2018-07-18	K-1802654-01	QC failed. POST 6 run twice, 6.13, 6.11, both failed.
Trailside at Hunter LLC	Ammonia (as NH3)	2018-07-18	K-1802654-01	Analytical procedure error.
Trailside at Hunter LLC	Ammonia (as NH3)	2018-11-01	K-1804436-01	This sample was not preserved within 15 minutes of sample collection.
Trailside at Hunter LLC	Ammonia (as NH3)	2018-12-19	K-1805250-01	The end-of-run LOQ was not within 50-150%.
Hunter WTP	pH	2018-07-18	K-1802654-03	QC failed. POST 6 run twice, 6.13, 6.11, both failed.
Hunter WTP	Ammonia (as NH3)	2018-12-13	K-1805122-04	The end-of-run LOQ was not within 50-150%.
Margaretville	Ammonia (as NH3)	2018-07-17	K-1802463-10	Analytical procedure error.
Margaretville	CBOD	2018-08-14	K-1802648-10	QC failed.
Margaretville	CBOD	2018-08-14	K-1802648-09	QC failed.
Margaretville	CBOD	2018-08-21	K-1803134-09	No dilution met the depletion criteria.
Margaretville	Solids, Total Suspended	2018-10-16	K-1803919-09	The end-of-run LOQ was not within 50-150%.
Margaretville	Solids, Total Suspended	2018-10-16	K-1803919-10	The end-of-run LOQ was not within 50-150%.
Margaretville	Ammonia (as NH3)	2018-11-07	K-1804608-10A	Sample was reanalyzed due to instrument error. This result and original result are both valid.
Margaretville	Ammonia (as NH3)	2018-11-07	K-1804608-10	The end-of-run LOQ was not within 50-150%.
Margaretville	Ammonia (as NH3)	2018-11-07	K-1804608-10A	The end-of-run LOQ was not within 50-150%.
Margaretville	Phosphorus, Total (as P)	2018-11-20	K-1804603-10	Data reanalyzed due to result above calibration range.
Margaretville	Ammonia (as NH3)	2018-12-18	K-1805006-10	QC failed.
Margaretville	Phosphorus, Total (as P)	2018-12-18	K-1805006-10	The spike analysis was not within the control limits.
Margaretville	Phosphorus, Total (as P)	2018-12-18	K-1805006-10	This sample is associated with a spiked sample result that was above the high calibrant. The spike recovery was calculated using an extrapolated value.
Mountain View	pH	2018-07-25	K-1802799-02	Alternate acceptable site location used. sampled from outfall.
Mountain View	pH	2018-07-25	K-1802799-02	The duplicate analysis was not within the control limits.
Mountain View	Ammonia (as NH3)	2018-07-25	K-1802799-02	Data reanalyzed due to result above calibration range.
Mountain View	Phosphorus, Total (as P)	2018-12-19	K-1805250-02	Data reanalyzed due to result above calibration range.
Mountain View	Ammonia (as NH3)	2018-12-19	K-1805250-02	The end-of-run LOQ was not within 50-150%.
Mountainside Farms	MBAS	2018-07-11	G-1802470-04	Bottle label issue. Wrong label was placed on bottle. Contract lab analyzed for incorrect analysis. .
Mountainside Farms	Nitrate (as N)	2018-08-01	G-1802819-04A	This sample was not analyzed within the acceptable holding time.
Mountainside Farms	Nitrate (as N)	2018-08-01	G-1802819-04	Data reanalyzed due to result above calibration range.
Mountainside Farms	Nitrate (as N)	2018-11-07	G-1804512-04	Data reanalyzed due to result above calibration range.
Mountainside Farms	MBAS	2018-12-05	G-1804907-04	Analysis omitted deliberately. Sample wouldnt be able to be shipped and received within holding time due to Post Office shutdown.
Mountainside Farms	Nitrate (as N)	2018-12-12	G-1805030-01	Sample and associated Equipment Blank were analyzed on separate analytical runs.

Plant	Analyte	Sample Date	Sample ID	Qualifier
Olive Woods	CBOD	2018-08-15	K-1803144-01	QC failed.
Olive Woods	Phosphorus, Total (as P)	2018-08-15	K-1803144-01	This sample is associated with a spiked sample result that was above the high calibrant. The spike recovery was calculated using an extrapolated value.
Olive Woods	Phosphorus, Total (as P)	2018-10-10	K-1804028-01	Data reanalyzed. Table error.
Olive Woods	Ammonia (as NH3)	2018-12-12	K-1805124-01	QC failed.
Oorah Catskill Retreat	Phosphorus, Total (as P)	2018-07-11	K-1802519-05	Data reanalyzed due to result above calibration range.
Oorah Catskill Retreat	Phosphorus, Total (as P)	2018-08-02	K-1802946-04	Data reanalyzed due to result above calibration range.
Oorah Catskill Retreat	Phosphorus, Total (as P)	2018-09-05	K-1803447-02	Data reanalyzed due to result above calibration range.
Pine Hill	Ammonia (as NH3)	2018-07-17	K-1802463-12	Analytical procedure error.
Pine Hill	BOD	2018-08-14	K-1802648-12	QC failed.
Pine Hill	BOD	2018-08-14	K-1802648-07	QC failed.
Pine Hill	BOD	2018-08-28	K-1803248-05	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.
Pine Hill	BOD	2018-08-28	K-1803248-08	This sample is associated with a dilution water blank that has a DO uptake of >0.2 mg/L.
Pine Hill	Solids, Total Suspended	2018-10-16	K-1803919-07	The end-of-run LOQ was not within 50-150%.
Pine Hill	Solids, Total Suspended	2018-10-16	K-1803919-12	The end-of-run LOQ was not within 50-150%.
Pine Hill	BOD	2018-11-07	K-1804608-07	No dilution met the depletion criteria.
Pine Hill	Ammonia (as NH3)	2018-11-07	K-1804608-12	The end-of-run LOQ was not within 50-150%.
Pine Hill	Ammonia (as NH3)	2018-12-18	K-1805006-12	QC failed.
Prattsville WTP	Dissolved Oxygen	2018-08-02	K-1802946-02	The duplicate analysis was not within the control limits.
Robert W. Harold Campus	CBOD	2018-08-15	G-1803027-01	QC failed.
Robert W. Harold Campus	Ammonia (as NH3)	2018-12-18	G-1805182-01	The end-of-run LOQ was not within 50-150%.
Stamford	Total Kjeldahl Nitrogen	2018-07-11	G-1802470-01	Analyte is positively identified, but tentatively quantified as an estimate concentration. The analyte was either detected between MDL and MRL or did not meet any one of the required QC criteria.
Stamford	Ammonia (as NH3)	2018-12-05	G-1804907-01	QC failed.
Stamford	Ammonia (as NH3)	2018-12-12	G-1805030-03	The end-of-run LOQ was not within 50-150%.
Tannersville	Ammonia (as NH3)	2018-07-17	K-1802463-02	Analytical procedure error.
Tannersville	CBOD	2018-08-14	K-1802648-02	QC failed.
Tannersville	CBOD	2018-08-14	K-1802648-01	QC failed.
Tannersville	CBOD	2018-09-18	K-1803437-01	No dilution met the depletion criteria.
Tannersville	Solids, Total Suspended	2018-10-16	K-1803919-01	The end-of-run LOQ was not within 50-150%.
Tannersville	Solids, Total Suspended	2018-10-16	K-1803919-02	The end-of-run LOQ was not within 50-150%.
Tannersville	Nitrate (as N)	2018-11-07	K-1804588-02A	This sample was not analyzed within the acceptable holding time.
Tannersville	Ammonia (as NH3)	2018-11-07	K-1804608-02	The end-of-run LOQ was not within 50-150%.
Tannersville	Nitrate (as N)	2018-11-07	K-1804588-02	This sample is not filtered within 15 minutes of sample collection.
Tannersville	Nitrate/Nitrite (as N)	2018-11-07	K-1804588-02	This sample is not filtered within 15 minutes of sample collection.
Tannersville	Nitrate (as N)	2018-11-07	K-1804588-02A	This sample is not filtered within 15 minutes of sample collection.
Tannersville	Nitrate (as N)	2018-11-07	K-1804588-02	Data reanalyzed due to result above calibration range.
Tannersville	Ammonia (as NH3)	2018-12-18	K-1805006-02	QC failed.
Walton	Total Kjeldahl Nitrogen	2018-07-18	G-1802587-04	Analyte is positively identified, but tentatively quantified as an estimate concentration. The analyte was either detected between MDL and MRL or did not meet any one of the required QC criteria.
Walton	CBOD	2018-08-15	G-1803027-04	QC failed.
Walton	Total Kjeldahl Nitrogen	2018-11-20	G-1804714-04	MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
Walton	Total Kjeldahl Nitrogen	2018-11-20	G-1804714-04	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
Walton	Total Kjeldahl Nitrogen	2018-11-28	G-1804810-04	This sample was not preserved within 15 minutes of sample collection. sample not preserved within 15 minutes of composite end time.
Walton	Ammonia (as NH3)	2018-11-28	G-1804810-04	This sample was not preserved within 15 minutes of sample collection. sample not preserved within 15 minutes of composite end time.
Walton	Phosphorus, Total (as P)	2018-11-28	G-1804810-04	This sample was not preserved within 15 minutes of sample collection. sample not preserved within 15 minutes of composite end time.
Walton	Ammonia (as NH3)	2018-12-18	G-1805182-04	The end-of-run LOQ was not within 50-150%.
Windham WTP	Temperature	2018-07-05	K-1802419-01	The duplicate analysis was not within the control limits.
CLEAR POOL CAMP	Temperature	2018-08-07	E-1803014-02	The duplicate analysis was not within the control limits.
CLEAR POOL CAMP	Temperature	2018-10-03	E-1803933-02	The duplicate analysis was not within the control limits.
CLEAR POOL CAMP	pH	2018-10-03	E-1803933-02	The duplicate analysis was not within the control limits.
CLEAR POOL CAMP	Temperature	2018-10-17	E-1804099-02	The duplicate analysis was not within the control limits.
CLEAR POOL CAMP	pH	2018-11-15	E-1804708-01	The duplicate analysis was not within the control limits.
CLEAR POOL CAMP	Temperature	2018-11-15	E-1804708-01	The duplicate analysis was not within the control limits.