

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

**WWTP Water Quality Sampling Monitoring Semiannual Report
(July 1 – December 31, 2016)**

February 2017

*Prepared in accordance with Section 6.2 of the NYSDOH
Revised 2007 Filtration Avoidance Determination*



Prepared by: DEP, Bureau of Water Supply

Introduction

The attached computer output was prepared in accordance with DEP's 2006 Long-term Watershed Protection Program and NYSDOH's final revised 2007 Filtration Avoidance Determination. It reports the results of DEP's sampling of New York City-owned wastewater treatment plants and surface-discharging non-City-owned wastewater treatment plants (WWTPs) discharging in the Catskill and Delaware (CAT/DEL) watersheds from July 1, 2016 through December 31, 2016.

The computer output is divided into three 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 compares 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. Note that DEP's samples are surveillance, not regulatory samples, and single samples that exceed limits may not constitute true SPDES violations.

The third table of this report is simply an output of the raw data and, as such, includes coding conventions as follows. Parameters not detected in the effluent are indicated with a minus (-) sign, meaning "less than", next to the detection limit. For example, -0.10 in the NH₃ column means that the total ammonia concentration in the effluent was less than the detection limit of 0.1 mgL⁻¹. Errors occurring in the field or in the lab are noted by -110 or -105 respectively. Fcoli code E means estimated. Fcoli code TNTC means "too numerous to count".

This report tabulates effluent data only. Information on suspected treatment problems and/or courses of action in response to poor treatment at Catskill or Delaware District WWTPs is described in DEP's 2015 Watershed Water Quality Monitoring Plan.

Table 1. DEP samples that contravened SPDES limits July - December 2016.

Catskill System:

Facility	Date	Parameter	Daily Measurement	SPDES Limit
Camp Timberlake	14JUL16	Temperature	23°C (73.4°F)	70°F
Camp Timberlake	10AUG16	Temperature	23.5°C (74.3°F)	70°F
Camp Timberlake	01SEP16	Temperature	22.4°C (72.3°F)	70°F
Trailside at Hunter LLC	20JUL16	CBOD	17.7	5 mgL ⁻¹
Trailside at Hunter LLC	20JUL16	Ammonia	2.05	1.1 mgL ⁻¹
Trailside at Hunter LLC	09NOV16	Tot. Chlor. Res.	0.48	0.1 mgL ⁻¹
Trailside at Hunter LLC	21DEC16	Tot. Chlor. Res.	5.4	0.1 mgL ⁻¹
Trailside at Hunter LLC	21DEC16	CBOD	18.4	5 mgL ⁻¹
Tannersville	16AUG16	CBOD	5.6	5 mgL ⁻¹
Windham	04AUG16	Tot. Chlor. Res.	0.12	0.1 mgL ⁻¹

Delaware System:

Facility	Date	Parameter	Daily Measurement	SPDES Limit
Camp L'man Achai	13JUL16	Ammonia	6.32	1.1 mgL ⁻¹
Camp L'man Achai	03AUG16	pH	6.42	6.5 - 8.5
Camp L'man Achai	03AUG16	Dissolved Oxygen	6.8	7 mgL ⁻¹ , minimum
Delhi	20JUL16	Sett. Solids	5	0.1 mgL ⁻¹
Delhi	20JUL16	Chlor. Res.-Effl.	0.04	0.032 mgL ⁻¹
Delhi	27JUL16	Chlor. Res.-Effl.	0.04	0.032 mgL ⁻¹
Delhi	12OCT16	Chlor. Res.-Effl.	0.04	0.032 mgL ⁻¹
Hobart	03NOV16	Ammonia	13.3	1.1 mgL ⁻¹
Mountainside Farms Inc.	03AUG16	Nitrate	20.98	20 mgL ⁻¹
Denver Sewer Corp.	03AUG16	Tot. Chlor. Res.	0.46	0.1 mgL ⁻¹
Denver Sewer Corp.	05OCT16	CBOD	10	5 mgL ⁻¹
Denver Sewer Corp.	05OCT16	Susp.Solids	56	10 mgL ⁻¹
Denver Sewer Corp.	09NOV16	CBOD	5.5	5 mgL ⁻¹
Robert W. Harold Campus	20JUL16	Temperature	22.5°C (72.5°F)	70°F
Robert W. Harold Campus	10AUG16	Temperature	24.5°C (76.1°F)	70°F
Robert W. Harold Campus	14SEP16	Temperature	22.5°C (72.5°F)	70°F

Table 2. Comparison of effluent concentrations in DEP's samples with the limits of SPDES permits July - December 2016.

Catskill System:

Ashland WTP

date	Parameter	SPDES Violation	SPDES Limit
06JUL16		no violations	
24AUG16		no violations	
28SEP16		no violations	
12OCT16		no violations	
02NOV16		no violations	
21DEC16		no violations	

Boiceville WWTP

date	Parameter	SPDES Violation	SPDES Limit
13JUL16		no violations	
14JUL16		no violations	
10AUG16		no violations	
12OCT16		no violations	
09NOV16		no violations	
14DEC16		no violations	

Camp Machne Tashbar - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
07JUL16		no violations	
17AUG16		no violations	
01SEP16		no violations	

Camp Timberlake - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
14JUL16	Temp	23°C (73.4°F)	70°F
10AUG16	Temp	23.5°C (74.3°F)	70°F
01SEP16	Temp	22.4°C (72.3°F)	70°F

Elka Park Association (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
20JUL16		no violations	
17AUG16		no violations	
22SEP16		no violations	
06OCT16		no violations	

Elka Park Association (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
14DEC16		no violations	

Grand Gorge (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUL16		no violations	
06JUL16		no violations	
19JUL16		no violations	
20JUL16		no violations	
02AUG16		no violations	
03AUG16		no violations	
16AUG16		no violations	
17AUG16		no violations	
06SEP16		no violations	
07SEP16		no violations	
20SEP16		no violations	
21SEP16		no violations	
05OCT16		no violations	
06OCT16		no violations	
18OCT16		no violations	
19OCT16		no violations	

Grand Gorge (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01NOV16		no violations	
02NOV16		no violations	
15NOV16		no violations	
16NOV16		no violations	
06DEC16		no violations	
07DEC16		no violations	
20DEC16		no violations	
21DEC16		no violations	

Trailside at Hunter LLC (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
20JUL16	CBOD	17.7	5 mgL ⁻¹
20JUL16	Ammonia	2.05	1.1 mgL ⁻¹
17AUG16		no violations	
28SEP16		no violations	

Trailside at Hunter LLC (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
09NOV16	Tot. Chlor. Res.	0.48	0.1 mgL ⁻¹
21DEC16	Tot. Chlor. Res.	5.4	0.1 mgL ⁻¹
21DEC16	CBOD	18.4	5 mgL ⁻¹

Hunter (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
07JUL16		no violations	
25JUL16		no violations	
17AUG16		no violations	
22SEP16		no violations	
06OCT16		no violations	
24OCT16		no violations	

Hunter (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
09NOV16		no violations	
14DEC16		no violations	

Mountain View Estates

date	Parameter	SPDES Violation	SPDES Limit
20JUL16		no violations	
22SEP16		no violations	
06OCT16		no violations	

Olive Woods LLC

date	Parameter	SPDES Violation	SPDES Limit
14JUL16		no violations	
24AUG16		no violations	
14SEP16		no violations	
26OCT16		no violations	
09NOV16		no violations	
14DEC16		no violations	

Oorah Catskill Retreat - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
06JUL16		no violations	
04AUG16		no violations	
01SEP16		no violations	

Pine Hill (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUL16		no violations	
06JUL16		no violations	
19JUL16		no violations	
20JUL16		no violations	
02AUG16		no violations	
03AUG16		no violations	
16AUG16		no violations	
17AUG16		no violations	
06SEP16		no violations	
07SEP16		no violations	
20SEP16		no violations	
21SEP16		no violations	
05OCT16		no violations	
06OCT16		no violations	
18OCT16		no violations	
19OCT16		no violations	

Pine Hill (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01NOV16		no violations	
02NOV16		no violations	
15NOV16		no violations	
16NOV16		no violations	
06DEC16		no violations	

Pine Hill (winter limits) - continued

date	Parameter	SPDES Violation	SPDES Limit
07DEC16		no violations	
20DEC16		no violations	
21DEC16		no violations	

Prattsville WTP

date	Parameter	SPDES Violation	SPDES Limit
06JUL16		no violations	
25JUL16		no violations	
04AUG16		no violations	
07SEP16		no violations	
12OCT16		no violations	
24OCT16		no violations	
16NOV16		no violations	
07DEC16		no violations	

Tannersville (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUL16		no violations	
06JUL16		no violations	
19JUL16		no violations	
20JUL16		no violations	
26JUL16		no violations	
02AUG16		no violations	
03AUG16		no violations	
16AUG16	CBOD	5.6	5 mgL ⁻¹
17AUG16		no violations	
23AUG16		no violations	
06SEP16		no violations	
07SEP16		no violations	
20SEP16		no violations	
21SEP16		no violations	
05OCT16		no violations	
06OCT16		no violations	
18OCT16		no violations	
19OCT16		no violations	

Tannersville (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01NOV16		no violations	
02NOV16		no violations	
15NOV16		no violations	
16NOV16		no violations	
06DEC16		no violations	
07DEC16		no violations	
20DEC16		no violations	
21DEC16		no violations	

Windham (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
27JUL16		no violations	
04AUG16	Tot. Chlor. Res.	0.12	0.1 mgL ⁻¹
23AUG16		no violations	
07SEP16		no violations	
12OCT16		no violations	

Windham (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
02NOV16		no violations	
29NOV16		no violations	
07DEC16		no violations	

Delaware System:

Andes

date	Parameter	SPDES Violation	SPDES Limit
20JUL16		no violations	
10AUG16		no violations	
14SEP16		no violations	
21SEP16		no violations	
12OCT16		no violations	
16NOV16		no violations	
08DEC16		no violations	
14DEC16		no violations	
20DEC16		no violations	

Camp L'man Achai - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
13JUL16	Ammonia	6.32	1.1 mgL ⁻¹
03AUG16	pH	6.42	6.5 - 8.5
03AUG15	Dissolved Oxygen	6.8	7 mgL ⁻¹ , minimum

Delhi WWTP

date	Parameter	SPDES Violation	SPDES Limit
20JUL16	Settleable Solids	5	0.1 mgL ⁻¹
20JUL16	Chlor. Res.-Effl.	0.04	0.032 mgL ⁻¹
27JUL16	Chlor. Res.-Effl.	0.04	0.032 mgL ⁻¹
10AUG16		no violations	
14SEP16		no violations	
12OCT16	Chlor. Res.-Effl.	0.04	0.032 mgL ⁻¹
16NOV16		no violations	
01DEC16		no violations	
14DEC16		no violations	

Fleischmanns WWTP

date	Parameter	SPDES Violation	SPDES Limit
20JUL16		no violations	
03AUG16		no violations	
07SEP16		no violations	
21SEP16		no violations	
05OCT16		no violations	
03NOV16		no violations	
09NOV16		no violations	

Fleischmanns WWTP - continued

date	Parameter	SPDES Violation	SPDES Limit
07DEC16		no violations	
20DEC16		no violations	

Grahamsville WWTP

date	Parameter	SPDES Violation	SPDES Limit
06JUL16		no violations	
03AUG16		no violations	
07SEP16		no violations	
05OCT16		no violations	
01NOV16		no violations	
07DEC16		no violations	

Hanah Country Inn and Golf Resort

date	Parameter	SPDES Violation	SPDES Limit
20JUL16		no violations	
10AUG16		no violations	
14SEP16		no violations	
12OCT16		no violations	
16NOV16		no violations	
28NOV16		no violations	
14DEC16		no violations	

Hobart

date	Parameter	SPDES Violation	SPDES Limit
13JUL16		no violations	
03AUG16		no violations	
07SEP16		no violations	
05OCT16		no violations	
03NOV16	Ammonia	13.3	1.1 mgL ⁻¹
09NOV16		no violations	
07DEC16		no violations	

Margaretville

date	Parameter	SPDES Violation	SPDES Limit
05JUL16		no violations	
06JUL16		no violations	
19JUL16		no violations	
20JUL16		no violations	
02AUG16		no violations	
03AUG16		no violations	
16AUG16		no violations	
17AUG16		no violations	
06SEP16		no violations	
07SEP16		no violations	
20SEP16		no violations	
21SEP16		no violations	
05OCT16		no violations	
06OCT16		no violations	
18OCT16		no violations	
19OCT16		no violations	
01NOV16		no violations	
02NOV16		no violations	
15NOV16		no violations	
16NOV16		no violations	
06DEC16		no violations	
07DEC16		no violations	
20DEC16		no violations	
21DEC16		no violations	

Margaretville--% removals

date	Parameter	SPDES Violation	SPDES Limit
05JUL16		% removals okay	
19JUL16		% removals okay	
02AUG16		% removals okay	
16AUG16		% removals okay	
06SEP16		% removals okay	
20SEP16		% removals okay	
05OCT16		% removals okay	
18OCT16		% removals okay	
01NOV16		% removals okay	
15NOV16		% removals okay	
06DEC16		% removals okay	
20DEC16		% removals okay	

Mountainside Farms Inc.

date	Parameter	SPDES Violation	SPDES Limit
13JUL16		no violations	
03AUG16	Nitrate	20.98	20 mgL ⁻¹
07SEP16		no violations	
05OCT16		no violations	
03NOV16		no violations	
09NOV16		no violations	
07DEC16		no violations	

Denver Sewer Corp.

date	Parameter	SPDES Violation	SPDES Limit
13JUL16		no violations	
03AUG16	Tot. Chlor. Res.	0.46	0.1 mgL ⁻¹
14SEP16		no violations	
05OCT16	CBOD	10	5 mgL ⁻¹
05OCT16	Susp.Solids	56	10 mgL ⁻¹
09NOV16	CBOD	5.5	5 mgL ⁻¹
07DEC16		no violations	

Stamford WWTP

date	Parameter	SPDES Violation	SPDES Limit
13JUL16		no violations	
03AUG16		no violations	
07SEP16		no violations	
26SEP16		no violations	
05OCT16		no violations	
03NOV16		no violations	
09NOV16		no violations	
07DEC16		no violations	
19DEC16		no violations	

Walton WWTP

date	Parameter	SPDES Violation	SPDES Limit
20JUL16		no violations	
10AUG16		no violations	
14SEP16		no violations	
12OCT16		no violations	
16NOV16		no violations	
01DEC16		no violations	
14DEC16		no violations	

Robert W. Harold Campus

date	Parameter	SPDES Violation	SPDES Limit
20JUL16	Temp	22.5°C (72.5°F)	70°F
10AUG16	Temp	24.5°C (76.1°F)	70°F
14SEP16	Temp	22.5°C (72.5°F)	70°F
12OCT16		no violations	
16NOV16		no violations	
14DEC16		no violations	

Catskill System

Table 3. Raw Data for CAT/DEL WWTP effluent samples collected July - December 2016.

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
1	ASHLAND WTP	06JUL2016	0.0070	15.0	6.38	9.3	-0.10	-3.0	.	-1.0	-0.1	.	0.025	-0.20	.	.	.	.	-1	.	.
2	ASHLAND WTP	24AUG2016	0.0120	19.2	6.65	8.6	0.10	-3.0	.	-1.0	-0.1	.	0.104	-0.20	.	.	.	.	-1	.	.
3	ASHLAND WTP	28SEP2016	0.0070	16.9	6.56	8.8	-0.10	-3.0	.	-1.0	-0.1	.	0.058	-0.20	.	.	.	.	-1	.	.
4	ASHLAND WTP	12OCT2016	0.0060	16.1	6.43	9.6	0.10	-3.0	.	-1.0	-0.1	.	0.038	-0.20	.	.	.	.	-1	.	.
5	ASHLAND WTP	02NOV2016	.	14.9	6.53	9.6	-0.10	-3.0	.	-1.0	-0.1	.	0.113	-0.20	.	.	.	.	-1	.	.
6	ASHLAND WTP	21DEC2016	0.0133	9.4	6.58	10.7	0.10	-3.0	.	-1.0	-0.1	.	0.132	0.22	.	.	.	.	-1	.	.
7	BOICEVILLE WTP	13JUL2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.103	-0.20	.	.	.	.	.	.	.
8	BOICEVILLE WTP	14JUL2016	0.0130	22.8	7.92	.	0.15	.	-3.0	-1.0	-0.1	.	0.104	-0.20	.	.	.	.	-1	.	.
9	BOICEVILLE WTP	10AUG2016	0.0120	22.9	8.31	9.2	0.35	.	-3.0	-1.0	-0.1	.	0.054	.	.	.	.	.	-1	.	.
10	BOICEVILLE WTP	10AUG2016	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.
11	BOICEVILLE WTP	12OCT2016	0.0180	19.9	8.11	9.8	0.25	.	-3.0	-1.0	-0.1	.	0.065	-0.20	.	.	.	.	-1	.	.
12	BOICEVILLE WTP	09NOV2016	.	18.5	7.61	9.6	0.15	.	-3.0	-1.0	-0.1	.	0.066	0.66	.	.	.	.	-1	.	.
13	BOICEVILLE WTP	14DEC2016	0.0220	13.6	7.35	10.2	0.10	.	-3.0	-1.0	-0.1	.	0.107	0.46	.	.	.	.	-1	.	.
14	CAMP MACHNE TASHBAR	07JUL2016	.	20.0	7.16	9.1	0.65	.	-3.0	1.9	-0.1	.	0.042	-0.20	.	.	-0.04	.	1	.	.
15	CAMP MACHNE TASHBAR	17AUG2016	.	22.0	7.60	8.6	0.35	.	-3.0	-1.0	-0.1	.	0.014	-0.20	.	.	0.07	.	-1	.	.
16	CAMP MACHNE TASHBAR	01SEP2016	.	21.6	7.60	8.1	1.60	.	-3.0	1.0	-0.1	.	0.022	-0.20	.	.	-0.04	.	-1	.	.
17	CAMP TIMBERLAKE	14JUL2016	0.0150	23.0	7.61	.	0.15	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	-1	.	.
18	CAMP TIMBERLAKE	14JUL2016	.	.	.	.	.	.	.	.	.	.	0.293	.	.	.	.	.	.	.	.
19	CAMP TIMBERLAKE	10AUG2016	.	23.5	7.93	8.3	-0.10	.	-3.0	-1.0	-0.1	.	.	.	.	.	.	.	-1	.	.
20	CAMP TIMBERLAKE	10AUG2016	.	.	.	.	.	.	.	.	.	.	0.209	.	.	.	.	.	.	.	.

All data are provisional.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
21	CAMP TIMBERLAKE	10AUG2016	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.	.
22	CAMP TIMBERLAKE	01SEP2016	.	22.4	7.62	8.3	-0.10	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	.	-1	.	.
23	CAMP TIMBERLAKE	01SEP2016	.	.	.	.	.	.	.	.	.	.	0.262	.	.	.	.	.	.	.	.	.
24	ELKA PARK	20JUL2016	0.0030	18.9	7.14	9.2	0.20	.	-3.0	-1.0	-0.1	.	0.173	0.22	.	.	.	.	.	-1	.	.
25	ELKA PARK	17AUG2016	0.0007	21.3	7.74	9.0	0.15	.	-3.0	-1.0	-0.1	.	.	0.40	.	.	.	.	.	-1	.	.
26	ELKA PARK	17AUG2016	.	.	.	.	.	.	.	.	.	.	0.203	.	.	.	.	.	.	.	.	.
27	ELKA PARK	22SEP2016	0.0006	18.2	7.15	9.0	-0.10	.	-3.0	-1.0	-0.1	.	0.171	-0.20	.	.	.	.	.	1	.	.
28	ELKA PARK	06OCT2016	0.0010	15.1	7.43	9.5	0.15	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	.	-1	.	.
29	ELKA PARK	06OCT2016	.	.	.	.	.	.	.	.	.	.	0.222	.	.	.	.	.	.	.	.	.
30	ELKA PARK	14DEC2016	0.0065	7.2	7.22	11.2	-0.10	.	-3.0	-1.0	-0.1	.	0.101	-0.20	.	.	.	.	.	-1	.	.
31	PINE HILL	05JUL2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.019	-0.20	.	.	.	.	.	.	.	.
32	PINE HILL	19JUL2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.036	-0.20	.	.	.	.	.	.	.	.
33	PINE HILL	02AUG2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.029	-0.20	.	.	.	.	.	.	.	.
34	PINE HILL	16AUG2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.030	-0.20	.	.	.	.	.	.	.	.
35	PINE HILL	06SEP2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.036	-0.20	.	.	.	.	.	.	.	.
36	PINE HILL	20SEP2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.035	-0.20	.	.	.	.	.	.	.	.
37	PINE HILL	05OCT2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.035	-0.20	.	.	.	.	.	.	.	.
38	PINE HILL	18OCT2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.040	-0.20	.	.	.	.	.	.	.	.
39	PINE HILL	01NOV2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.050	-0.20	.	.	.	.	.	.	.	.
40	PINE HILL	15NOV2016	.	.	.	.	.	-3.0	.	.	.	.	0.025	-0.20	.	.	.	.	.	.	.	.
41	PINE HILL	15NOV2016	.	.	.	.	.	.	.	-3.5	.	.	.	.	.	.	.	.	.	.	.	.
42	PINE HILL	06DEC2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.033	-0.20	.	.	.	.	.	.	.	.
43	PINE HILL	20DEC2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.038	0.85	.	.	.	.	.	.	.	.
44	PINE HILL	06JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
45	PINE HILL	20JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	80	.	.
46	PINE HILL	03AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	11	.	.
47	PINE HILL	17AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
48	PINE HILL	07SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
49	PINE HILL	21SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
50	PINE HILL	06OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
51	PINE HILL	19OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
52	PINE HILL	02NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
53	PINE HILL	16NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
54	PINE HILL	07DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
55	PINE HILL	21DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
56	PINE HILL	05JUL2016	.	.	.	.	.	254.0	.	256.0	.	.	.	.	.	.	.	.	.	.	.
57	PINE HILL	19JUL2016	.	.	.	.	.	158.0	.	123.0	.	.	.	.	.	.	.	.	.	.	.
58	PINE HILL	02AUG2016	.	.	.	.	.	117.0	.	146.0	.	.	.	.	.	.	.	.	.	.	.
59	PINE HILL	16AUG2016	.	.	.	.	.	98.6	.	126.0	.	.	.	.	.	.	.	.	.	.	.
60	PINE HILL	06SEP2016	.	.	.	.	.	102.0	.	94.0	.	.	.	.	.	.	.	.	.	.	.
61	PINE HILL	20SEP2016	.	.	.	.	.	92.8	.	486.0	.	.	.	.	.	.	.	.	.	.	.
62	PINE HILL	05OCT2016	.	.	.	.	.	266.0	.	326.0	.	.	.	.	.	.	.	.	.	.	.
63	PINE HILL	18OCT2016	.	.	.	.	.	243.0	.	306.0	.	.	.	.	.	.	.	.	.	.	.
64	PINE HILL	01NOV2016	.	.	.	.	.	214.0	.	272.0	.	.	.	.	.	.	.	.	.	.	.
65	PINE HILL	15NOV2016	.	.	.	.	.	118.0	.	.	.	.	.	.	.	.	.	.	.	.	.
66	PINE HILL	15NOV2016	.	.	.	.	.	.	.	224.0	.	.	.	.	.	.	.	.	.	.	.
67	PINE HILL	06DEC2016	.	.	.	.	.	124.0	.	90.1	.	.	.	.	.	.	.	.	.	.	.
68	PINE HILL	20DEC2016	.	.	.	.	.	54.4	.	92.7	.	.	.	.	.	.	.	.	.	.	.
69	TRAILSIDE AT HUNTER	20JUL2016	.	.	.	.	.	.	3.3	-1.0	.	.	0.034	0.70	.	.	.	.	.	.	.
70	TRAILSIDE AT HUNTER	20JUL2016	35.0000	21.5	8.15	8.2	0.75	.	17.7	-1.0	-0.1	.	0.052	2.05	.	.	0.06	.	-1	.	.
71	TRAILSIDE AT HUNTER	17AUG2016	0.0290	24.6	7.36	8.6	0.50	.	3.1	1.2	-0.1	.	0.056	-0.20	.	.	-0.04	.	-1	.	.
72	TRAILSIDE AT HUNTER	28SEP2016	0.0020	16.8	7.50	9.2	0.50	.	-3.0	1.1	-0.1	.	0.027	-0.20	.	.	-0.04	.	-1	.	.
73	TRAILSIDE AT HUNTER	09NOV2016	0.0066	10.8	7.48	10.6	0.80	.	4.8	1.4	-0.1	.	0.030	0.90	.	.	0.48	.	-1	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
74	TRAILSIDE AT HUNTER	21DEC2016	0.0025	3.2	7.26	13.1	1.50	.	18.4	-1.1	-0.1	.	0.045	2.19	.	.	5.40	.	-1	.	.
75	TRAILSIDE AT HUNTER	23AUG2016	.	21.3	7.34	.	0.30	.	.	.	.	.	.	.	.	.	.	.	.	.	.
76	TRAILSIDE AT HUNTER	29NOV2016	.	.	.	.	0.75	.	.	.	.	.	.	.	.	.	.	.	.	.	.
77	HUNTER WTP	07JUL2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.044	-0.20	.	.	-0.04	.	.	.	.
78	HUNTER WTP	07JUL2016	.	20.8	6.36	8.7	0.10	-3.0	.	-1.0	-0.1	.	0.050	-0.20	.	.	-0.04	.	-1	.	.
79	HUNTER WTP	25JUL2016	.	21.7	6.62	.	0.55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
80	HUNTER WTP	17AUG2016	0.0980	22.1	6.32	9.0	0.15	-3.0	.	-1.0	-0.1	.	0.132	-0.20	.	.	0.15	.	-1	.	.
81	HUNTER WTP	22SEP2016	0.1240	19.9	6.67	8.9	0.10	-3.0	.	-1.0	-0.1	.	0.015	-0.20	.	.	-0.04	.	-1	.	.
82	HUNTER WTP	06OCT2016	0.1240	17.4	6.70	9.2	0.15	-3.0	.	-1.0	-0.1	.	0.019	-0.20	.	.	0.12	.	-1	.	.
83	HUNTER WTP	24OCT2016	.	15.0	6.00	.	0.20	.	.	.	.	.	.	.	.	.	.	.	.	.	.
84	HUNTER WTP	09NOV2016	0.1080	11.8	6.31	10.4	0.45	-3.0	.	-1.0	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
85	HUNTER WTP	14DEC2016	0.1540	7.4	6.37	11.1	0.10	-3.0	.	-1.0	-0.1	.	0.011	-0.20	.	.	-0.04	.	-1	.	.
86	MARGARETVILLE	05JUL2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.049	-0.20	.	.	.	.	.	.	.
87	MARGARETVILLE	06JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
88	MARGARETVILLE	19JUL2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.055	-0.20	.	.	.	.	.	.	.
89	MARGARETVILLE	20JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
90	MARGARETVILLE	02AUG2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.054	-0.20	.	.	.	.	.	.	.
91	MARGARETVILLE	03AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
92	MARGARETVILLE	16AUG2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.059	-0.20	.	.	.	.	.	.	.
93	MARGARETVILLE	17AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
94	MARGARETVILLE	06SEP2016	.	.	.	.	.	.	-3.0	1.8	.	.	0.040	-0.20	.	.	.	.	.	.	.
95	MARGARETVILLE	07SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
96	MARGARETVILLE	20SEP2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.055	-0.20	.	.	.	.	.	.	.
97	MARGARETVILLE	21SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
98	MARGARETVILLE	05OCT2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.053	-0.20	.	.	.	.	.	.	.
99	MARGARETVILLE	06OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
100	MARGARETVILLE	18OCT2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.062	-0.20	.	.	.	.	.	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
101	MARGARETVILLE	19OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
102	MARGARETVILLE	01NOV2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.057	-0.20	.	.	.	.	.	.	.
103	MARGARETVILLE	02NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
104	MARGARETVILLE	15NOV2016	.	.	.	.	.	.	-3.0	.	.	.	0.040	-0.20	.	.	.	.	.	.	.
105	MARGARETVILLE	15NOV2016	.	.	.	.	.	.	.	-1.0	.	.	.	.	.	.	.	.	.	.	.
106	MARGARETVILLE	16NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
107	MARGARETVILLE	06DEC2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.043	-0.20	.	.	.	.	.	.	.
108	MARGARETVILLE	07DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
109	MARGARETVILLE	20DEC2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.055	-0.20	.	.	.	.	.	.	.
110	MARGARETVILLE	21DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.
111	MARGARETVILLE	05JUL2016	.	.	.	.	.	.	229.0	427.0	.	.	.	.	.	.	.	.	.	.	.
112	MARGARETVILLE	19JUL2016	.	.	.	.	.	.	150.0	226.0	.	.	.	.	.	.	.	.	.	.	.
113	MARGARETVILLE	02AUG2016	.	.	.	.	.	.	173.0	220.0	.	.	.	.	.	.	.	.	.	.	.
114	MARGARETVILLE	16AUG2016	.	.	.	.	.	.	137.0	202.0	.	.	.	.	.	.	.	.	.	.	.
115	MARGARETVILLE	06SEP2016	.	.	.	.	.	.	226.0	182.0	.	.	.	.	.	.	.	.	.	.	.
116	MARGARETVILLE	20SEP2016	.	.	.	.	.	.	132.0	96.0	.	.	.	.	.	.	.	.	.	.	.
117	MARGARETVILLE	05OCT2016	.	.	.	.	.	.	236.0	274.0	.	.	.	.	.	.	.	.	.	.	.
118	MARGARETVILLE	18OCT2016	.	.	.	.	.	.	170.0	310.0	.	.	.	.	.	.	.	.	.	.	.
119	MARGARETVILLE	01NOV2016	.	.	.	.	.	.	200.0	238.0	.	.	.	.	.	.	.	.	.	.	.
120	MARGARETVILLE	15NOV2016	.	.	.	.	.	.	141.0	.	.	.	.	.	.	.	.	.	.	.	.
121	MARGARETVILLE	15NOV2016	.	.	.	.	.	.	.	340.0	.	.	.	.	.	.	.	.	.	.	.
122	MARGARETVILLE	06DEC2016	.	.	.	.	.	.	108.0	189.0	.	.	.	.	.	.	.	.	.	.	.
123	MARGARETVILLE	20DEC2016	.	.	.	.	.	.	102.0	158.0	.	.	.	.	.	.	.	.	.	.	.
124	MOUNTAIN VIEW	20JUL2016	.	22.4	7.33	8.6	0.10	.	-3.0	-1.0	-0.1	.	0.056	-0.20	.	.	.	.	-1	.	
125	MOUNTAIN VIEW	22SEP2016	.	21.1	7.01	8.5	0.10	.	-3.0	-1.0	-0.1	.	0.058	-0.20	.	.	.	.	-1	.	
126	MOUNTAIN VIEW	06OCT2016	.	19.9	7.50	8.6	-0.10	.	-3.0	-1.0	-0.1	.	0.108	-0.20	.	.	.	.	-1	.	
127	OORAH CATSKILL RETREAT	06JUL2016	.	18.6	7.61	9.1	0.10	.	-3.0	-1.0	-0.1	.	.	0.44	.	.	.	.	-1	.	

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
128	OORAH CATSKILL RETREAT	06JUL2016	.	.	.	.	.	.	.	.	.	.	0.603	.	.	.	.	.	.	.	.	.
129	OORAH CATSKILL RETREAT	04AUG2016	.	18.8	7.45	9.1	0.10	.	-3.0	-1.0	-0.1	.	.	.	.	.	.	.	-1	.	.	.
130	OORAH CATSKILL RETREAT	04AUG2016	.	.	.	.	.	.	.	.	.	.	0.791	.	.	.	.	.	.	.	.	.
131	OORAH CATSKILL RETREAT	04AUG2016	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.	.
132	OORAH CATSKILL RETREAT	01SEP2016	.	20.3	7.74	8.6	0.15	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	-1	.	.	.
133	OORAH CATSKILL RETREAT	01SEP2016	.	.	.	.	.	.	.	.	.	.	0.736	.	.	.	.	.	.	.	.	.
134	PRATTSVILLE WTP	06JUL2016	0.0150	20.0	7.07	6.9	0.10	.	-3.0	-1.0	-0.1	.	0.066	.	.	1.20	.	.	-1	.	.	.
135	PRATTSVILLE WTP	25JUL2016	.	19.5	7.16	.	0.20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
136	PRATTSVILLE WTP	04AUG2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.054	.	.	1.00	.	.	.	.	.	.
137	PRATTSVILLE WTP	04AUG2016	0.0210	20.9	7.20	7.7	0.15	.	-3.0	-1.0	-0.1	.	0.040	.	.	1.00	.	.	-1	.	.	.
138	PRATTSVILLE WTP	07SEP2016	0.0140	21.4	6.71	5.9	0.15	.	-3.0	-1.0	-0.1	.	0.057	.	.	0.86	.	.	-1	.	.	.
139	PRATTSVILLE WTP	12OCT2016	0.0150	19.7	7.14	7.6	0.10	.	-3.0	-1.0	-0.1	.	0.049	.	.	0.90	.	.	-1	.	.	.
140	PRATTSVILLE WTP	24OCT2016	.	18.8	7.07	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
141	PRATTSVILLE WTP	16NOV2016	0.0190	16.5	6.88	8.0	0.10	.	-3.0	.	-0.1	.	0.034	.	.	1.10	.	.	-1	.	.	.
142	PRATTSVILLE WTP	16NOV2016	.	.	.	.	.	.	.	-1.7	.	.	.	.	.	.	.	.	.	.	.	.
143	PRATTSVILLE WTP	07DEC2016	0.0100	14.9	6.86	7.4	0.30	.	-3.0	-1.0	-0.1	.	0.045	.	.	1.10	.	.	-1	.	.	.
144	GRAND GORGE	05JUL2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.045	-0.20	.	.	.	.	.	.	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
145	GRAND GORGE	19JUL2016	.	.	.	.	.	-3.0	-1.0	.	.	0.119	-0.20	.	.	.	.	.	.	.	.
146	GRAND GORGE	02AUG2016	.	.	.	.	.	-3.0	-1.0	.	.	0.177	-0.20	.	.	.	.	.	.	.	.
147	GRAND GORGE	16AUG2016	.	.	.	.	.	-3.0	-1.0	.	.	0.038	-0.20	.	.	.	.	.	.	.	.
148	GRAND GORGE	06SEP2016	.	.	.	.	.	-3.0	-1.0	.	.	0.016	-0.20	.	.	.	.	.	.	.	.
149	GRAND GORGE	20SEP2016	.	.	.	.	.	-3.0	-1.1	.	.	0.072	-0.20	.	.	.	.	.	.	.	.
150	GRAND GORGE	05OCT2016	.	.	.	.	.	-3.0	-1.1	.	.	0.017	-0.20	.	.	.	.	.	.	.	.
151	GRAND GORGE	18OCT2016	.	.	.	.	.	-3.0	-1.1	.	.	0.012	-0.20	.	.	.	.	.	.	.	.
152	GRAND GORGE	01NOV2016	.	.	.	.	.	-3.0	-1.0	.	.	0.015	-0.20	.	.	.	.	.	.	.	.
153	GRAND GORGE	15NOV2016	.	.	.	.	.	-3.0	.	.	.	0.015	-0.20	.	.	.	.	.	.	.	.
154	GRAND GORGE	15NOV2016	.	.	.	.	.	.	-1.7	.	.	.	.	.	.	.	.	.	.	.	.
155	GRAND GORGE	06DEC2016	.	.	.	.	.	-3.0	-1.1	.	.	0.016	-0.20	.	.	.	.	.	.	.	.
156	GRAND GORGE	20DEC2016	.	.	.	.	.	-3.0	-1.1	.	.	0.028	-0.20	.	.	.	.	.	.	.	.
157	GRAND GORGE	06JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
158	GRAND GORGE	20JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
159	GRAND GORGE	03AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
160	GRAND GORGE	17AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
161	GRAND GORGE	07SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
162	GRAND GORGE	21SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
163	GRAND GORGE	06OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
164	GRAND GORGE	19OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
165	GRAND GORGE	02NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
166	GRAND GORGE	16NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
167	GRAND GORGE	07DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
168	GRAND GORGE	21DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
169	GRAND GORGE	05JUL2016	.	.	.	.	.	178.0	298.0	.	.	.	.	.	.	.	.	.	.	.	.
170	GRAND GORGE	19JUL2016	.	.	.	.	.	114.0	200.0	.	.	.	.	.	.	.	.	.	.	.	.
171	GRAND GORGE	02AUG2016	.	.	.	.	.	86.8	52.7	.	.	.	.	.	.	.	.	.	.	.	.
172	GRAND GORGE	16AUG2016	.	.	.	.	.	132.0	91.3	.	.	.	.	.	.	.	.	.	.	.	.
173	GRAND GORGE	06SEP2016	.	.	.	.	.	166.0	152.0	.	.	.	.	.	.	.	.	.	.	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
174	GRAND GORGE	20SEP2016	.	.	.	.	.	101.0	94.0	.	.	.	.	.	.	.	.	.	.	.	.	.
175	GRAND GORGE	05OCT2016	.	.	.	.	.	108.0	70.0	.	.	.	.	.	.	.	.	.	.	.	.	.
176	GRAND GORGE	18OCT2016	.	.	.	.	.	138.0	58.0	.	.	.	.	.	.	.	.	.	.	.	.	.
177	GRAND GORGE	01NOV2016	.	.	.	.	.	109.0	150.0	.	.	.	.	.	.	.	.	.	.	.	.	.
178	GRAND GORGE	15NOV2016	.	.	.	.	.	151.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
179	GRAND GORGE	15NOV2016	.	.	.	.	.	.	244.0	.	.	.	.	.	.	.	.	.	.	.	.	.
180	GRAND GORGE	06DEC2016	.	.	.	.	.	75.6	111.0	.	.	.	.	.	.	.	.	.	.	.	.	.
181	GRAND GORGE	20DEC2016	.	.	.	.	.	59.0	75.8	.	.	.	.	.	.	.	.	.	.	.	.	.
182	TANNERSVILLE	05JUL2016	.	.	.	.	.	-3.0	-1.1	.	.	.	0.23	.	.	.	.	.	.	.	.	.
183	TANNERSVILLE	05JUL2016	.	.	.	.	.	.	.	.	.	0.287	.	.	.	.	.	.	.	.	.	.
184	TANNERSVILLE	19JUL2016	.	.	.	.	.	-3.0	-1.0	.	.	0.135	-0.20	.	.	.	.	.	.	.	.	.
185	TANNERSVILLE	26JUL2016	.	.	.	.	.	.	.	.	.	0.083	.	.	.	.	.	.	.	.	.	.
186	TANNERSVILLE	02AUG2016	.	.	.	.	.	-3.0	-1.1	.	.	0.096	-0.20	.	.	.	.	.	.	.	.	.
187	TANNERSVILLE	16AUG2016	.	.	.	.	.	5.6	-1.0	.	.	0.061	-0.20	.	.	.	.	.	.	.	.	.
188	TANNERSVILLE	23AUG2016	.	.	.	.	.	-3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
189	TANNERSVILLE	06SEP2016	.	.	.	.	.	-3.0	-1.1	.	.	0.032	-0.20	.	.	.	.	.	.	.	.	.
190	TANNERSVILLE	20SEP2016	.	.	.	.	.	-3.0	-1.0	.	.	0.014	-0.20	.	.	.	.	.	.	.	.	.
191	TANNERSVILLE	05OCT2016	.	.	.	.	.	-3.0	-1.1	.	.	0.012	-0.20	.	.	.	.	.	.	.	.	.
192	TANNERSVILLE	18OCT2016	.	.	.	.	.	-3.0	-1.0	.	.	0.011	-0.20	.	.	.	.	.	.	.	.	.
193	TANNERSVILLE	01NOV2016	.	.	.	.	.	-3.0	-1.0	.	.	0.007	-0.20	.	.	.	.	.	.	.	.	.
194	TANNERSVILLE	15NOV2016	.	.	.	.	.	-3.0	.	.	.	0.018	-0.20	.	.	.	.	.	.	.	.	.
195	TANNERSVILLE	15NOV2016	.	.	.	.	.	.	-1.8	.	.	.	.	.	.	.	.	.	.	.	.	.
196	TANNERSVILLE	06DEC2016	.	.	.	.	.	-3.0	-1.1	.	.	0.008	-0.20	.	.	.	.	.	.	.	.	.
197	TANNERSVILLE	20DEC2016	.	.	.	.	.	-3.0	-1.0	.	.	0.012	-0.20	.	.	.	.	.	.	.	.	.
198	TANNERSVILLE	06JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
199	TANNERSVILLE	20JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
200	TANNERSVILLE	03AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
201	TANNERSVILLE	17AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
202	TANNERSVILLE	07SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
203	TANNERSVILLE	21SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
204	TANNERSVILLE	06OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
205	TANNERSVILLE	19OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
206	TANNERSVILLE	02NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
207	TANNERSVILLE	16NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
208	TANNERSVILLE	07DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
209	TANNERSVILLE	21DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
210	TANNERSVILLE	05JUL2016	.	.	.	.	.	.	134.0	177.0	.	.	.	.	.	.	.	.	.	.	.	.
211	TANNERSVILLE	19JUL2016	.	.	.	.	.	.	118.0	175.0	.	.	.	.	.	.	.	.	.	.	.	.
212	TANNERSVILLE	02AUG2016	.	.	.	.	.	.	-50.0	53.3	.	.	.	.	.	.	.	.	.	.	.	.
213	TANNERSVILLE	16AUG2016	.	.	.	.	.	.	144.0	112.0	.	.	.	.	.	.	.	.	.	.	.	.
214	TANNERSVILLE	23AUG2016	.	.	.	.	.	.	229.0	.	.	.	.	.	.	.	.	.	.	.	.	.
215	TANNERSVILLE	06SEP2016	.	.	.	.	.	.	144.0	124.0	.	.	.	.	.	.	.	.	.	.	.	.
216	TANNERSVILLE	20SEP2016	.	.	.	.	.	.	133.0	154.0	.	.	.	.	.	.	.	.	.	.	.	.
217	TANNERSVILLE	05OCT2016	.	.	.	.	.	.	189.0	146.0	.	.	.	.	.	.	.	.	.	.	.	.
218	TANNERSVILLE	18OCT2016	.	.	.	.	.	.	126.0	138.0	.	.	.	.	.	.	.	.	.	.	.	.
219	TANNERSVILLE	01NOV2016	.	.	.	.	.	.	71.6	110.0	.	.	.	.	.	.	.	.	.	.	.	.
220	TANNERSVILLE	15NOV2016	.	.	.	.	.	.	105.0	.	.	.	.	.	.	.	.	.	.	.	.	.
221	TANNERSVILLE	15NOV2016	.	.	.	.	.	.	.	250.0	.	.	.	.	.	.	.	.	.	.	.	.
222	TANNERSVILLE	06DEC2016	.	.	.	.	.	.	69.8	90.7	.	.	.	.	.	.	.	.	.	.	.	.
223	TANNERSVILLE	20DEC2016	.	.	.	.	.	.	82.8	48.7	.	.	.	.	.	.	.	.	.	.	.	.
224	WINDHAM WTP	27JUL2016	0.0160	20.5	6.81	9.1	0.15	.	-3.0	-1.0	-0.1	.	0.023	-0.20	.	0.41	-0.04	.	1	.	.	
225	WINDHAM WTP	04AUG2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.029	-0.20	.	0.80	0.12	.	.	.	.	.
226	WINDHAM WTP	04AUG2016	0.2320	19.2	6.91	9.3	0.15	.	-3.0	-1.0	-0.1	.	0.017	.	.	0.67	0.11	.	-1	.	.	
227	WINDHAM WTP	04AUG2016	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.	.
228	WINDHAM WTP	23AUG2016	.	19.3	6.50	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
229	WINDHAM WTP	07SEP2016	0.1450	20.5	6.88	9.0	0.15	.	3.1	-1.0	-0.1	.	0.019	-0.20	.	- 0.20	-0.04	.	-1	.	.	
230	WINDHAM WTP	12OCT2016	0.1400	16.8	7.24	10.0	0.20	.	-3.0	-1.0	-0.1	.	0.063	-0.20	.	0.72	-0.04	.	-1	.	.	

All data are provisional.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
231	WINDHAM WTP	02NOV2016	0.1550	13.8	6.99	10.3	0.15	-3.0	.	-1.0	-0.1	.	0.063	.	.	.	-0.04	.	-1	.	.	
232	WINDHAM WTP	29NOV2016	0.15
233	WINDHAM WTP	07DEC2016	0.1690	9.6	6.82	11.3	0.20	-3.0	.	-1.0	-0.1	.	0.015	.	.	.	-0.04	.	-1	.	.	
234	OLIVE WOODS	14JUL2016	0.0008	20.2	7.66	.	0.45	.	-3.0	-1.0	-0.1	.	0.102	0.33	.	.	.	.	20	.	.
235	OLIVE WOODS	24AUG2016	0.0002	20.4	7.40	9.4	0.10	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	-1	.	.
236	OLIVE WOODS	24AUG2016	0.199
237	OLIVE WOODS	14SEP2016	0.0002	20.2	7.98	9.0	0.25	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	-1	.	.
238	OLIVE WOODS	14SEP2016	0.244
239	OLIVE WOODS	26OCT2016	0.0060	15.3	8.02	10.3	0.15	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	-1	.	.
240	OLIVE WOODS	26OCT2016	0.273
241	OLIVE WOODS	09NOV2016	0.0005	14.3	8.14	10.2	0.10	.	-3.0	-1.0	-0.1	.	.	1.79	.	.	.	.	-1	.	.
242	OLIVE WOODS	09NOV2016	0.393
243	OLIVE WOODS	14DEC2016	0.0027	11.4	7.67	10.5	0.10	.	-3.0	-1.0	-0.1	.	0.034	1.02	.	.	.	.	-1	.	.

Delaware System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
1	ROBER W HAROLD CAMPUS	20JUL2016	0.0030	22.5	7.36	6.3	0.35	.	-3.0	-1.0	-0.1	700	0.096	-0.20	.	.	.	.	-1	.	.
2	ROBER W HAROLD CAMPUS	10AUG2016	0.0030	24.5	7.11	5.0	0.20	.	-3.0	-1.0	-0.1	650	0.090	.	.	.	.	.	-1	.	.
3	ROBER W HAROLD CAMPUS	10AUG2016	.	.	.	.	.	.	.	.	.	.	.	0.51	.	.	.	.	.	.	.
4	ROBER W HAROLD CAMPUS	14SEP2016	0.0030	22.5	6.78	5.8	0.45	.	-3.0	-1.0	-0.1	680	.	0.27	.	.	.	.	-1	.	.
5	ROBER W HAROLD CAMPUS	14SEP2016	.	.	.	.	.	.	.	.	.	.	0.295	.	.	.	.	.	.	.	.
6	ROBER W HAROLD CAMPUS	12OCT2016	0.0030	20.9	7.28	7.5	0.90	.	-3.0	-1.0	-0.1	910	0.140	-0.20	.	.	.	.	-1	.	.
7	ROBER W HAROLD CAMPUS	16NOV2016	0.0006	20.9	7.58	5.1	1.10	.	-3.0	.	-0.1	960	.	0.21	.	.	.	.	-1	.	.
8	ROBER W HAROLD CAMPUS	16NOV2016	.	.	.	.	.	.	.	-2.0	.	.	.	.	.	.	.	.	.	.	.
9	ROBER W HAROLD CAMPUS	16NOV2016	.	.	.	.	.	.	.	.	.	.	0.208	.	.	.	.	.	.	.	.
10	ROBER W HAROLD CAMPUS	14DEC2016	0.0010	.	.	.	.	.	-3.0	-1.0	-0.1	1300	0.068	-0.20	.	.	.	.	.	.	.
11	MOUNTAIN SIDE FARMS	13JUL2016	0.0740	28.0	7.45	6.1	0.35	-3	.	-1.0	.	.	0.020	.	.	.	.	.	.	.	-0.1
12	MOUNTAIN SIDE FARMS	13JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	15.60	.	.	203	.	.	.
13	MOUNTAIN SIDE FARMS	03AUG2016	0.0390	31.0	7.55	5.9	0.10	-3	.	-1.0	.	.	0.181	.	20.98	.	.	168	.	.	-0.1
14	MOUNTAIN SIDE FARMS	07SEP2016	0.0320	27.8	7.55	5.5	0.35	-3	.	-1.0	.	.	.	.	2.22	.	.	262	.	.	-0.1
15	MOUNTAIN SIDE FARMS	07SEP2016	.	.	.	.	.	.	.	.	.	.	0.194	.	.	.	.	.	.	.	.
16	MOUNTAIN SIDE FARMS	05OCT2016	0.0350	26.3	7.51	6.3	0.30	-3	.	-1.0	.	.	0.157	.	.	.	.	311	.	.	-0.1
17	MOUNTAIN SIDE FARMS	05OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	0.01	.	.	.	.	.	.
18	MOUNTAIN SIDE FARMS	03NOV2016	0.0670	.	.	.	0.45	-3	.	-1.1	.	.	0.085	.	.	.	.	.	.	.	-0.1

Delaware System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
19	MOUNTAINSIDE FARMS	03NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	1.54	.	.	280	.	.	.	.
20	MOUNTAINSIDE FARMS	09NOV2016	0.0360	22.5	7.44	6.5	0.50	-3	.	-1.1	.	0.170	.	.	.	.	.	301	.	.	-0.1	
21	MOUNTAINSIDE FARMS	09NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	13.93	.	.	.	.	.	.	.
22	MOUNTAINSIDE FARMS	07DEC2016	0.0300	21.7	7.49	6.4	0.70	-3	.	-1.0	.	0.046	.	1.43	.	.	.	338	.	.	-0.1	
23	DELHI	20JUL2016	0.5290	26.0	7.80	6.4	0.95	.	-3.0	1.2	5.0	0.141	-0.20	.	-0.20	0.04	.	-1	.	.	.	
24	DELHI	27JUL2016	0.5700	26.5	7.50	5.8	0.70	.	-3.0	-1.0	-0.1	0.020	-0.20	.	-0.20	0.04	.	-1	.	.	.	
25	DELHI	10AUG2016	0.4370	23.5	7.47	7.7	0.30	.	-3.0	-1.0	-0.1	0.018	.	.	-0.20	-0.04	.	-1	.	.	.	
26	DELHI	10AUG2016	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.	.	.
27	DELHI	14SEP2016	0.6110	25.4	7.60	7.1	0.50	.	-3.0	1.4	-0.1	0.053	-0.20	.	-0.20	-0.04	.	10	.	.	.	
28	DELHI	12OCT2016	0.5920	21.3	7.49	7.4	0.85	.	-3.0	-1.1	-0.1	0.051	-0.20	.	-0.20	0.04	.	-1	.	.	.	
29	DELHI	16NOV2016	0.6190	18.4	7.61	8.1	0.45	.	-3.0	.	-0.1	0.021	-0.20	.	0.22	-0.04	.	-1	.	.	.	
30	DELHI	16NOV2016	.	.	.	.	.	.	.	-1.7	.	.	.	.	.	.	.	.	.	.	.	.
31	DELHI	01DEC2016	0.3190	.	.	.	0.65	.	-3.0	-1.1	-0.1	0.029	-0.20	.	-0.20	-0.04	.	.	.	.	.
32	DELHI	14DEC2016	0.6080	.	.	.	.	.	-3.0	-1.0	-0.1	0.017	-0.20	.	-0.20	.	.	.	.	.	.	.
33	HANAH COUNTRY INN AND GOLF RES	20JUL2016	0.0030	19.6	6.92	6.2	.	.	.	-1.0	.	.	.	.	.	.	.	.	.	.	.	.
34	HANAH COUNTRY INN AND GOLF RES	20JUL2016	.	.	.	.	.	.	.	.	.	0.296	.	.	.	.	.	.	.	.	.	.
35	HANAH COUNTRY INN AND GOLF RES	10AUG2016	0.0010	20.3	6.97	5.4	.	.	.	1.1	.	.	.	.	.	.	.	.	.	.	.	.
36	HANAH COUNTRY INN AND GOLF RES	10AUG2016	.	.	.	.	.	.	.	.	.	0.362	.	.	.	.	.	.	.	.	.	.
37	HANAH COUNTRY INN AND GOLF RES	14SEP2016	0.0090	19.9	6.75	5.2	.	.	.	1.8
38	HANAH COUNTRY INN AND GOLF RES	14SEP2016	0.296

Delaware System

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39	HANAH COUNTRY INN AND GOLF RES	12OCT2016	0.0040	15.6	7.14	6.5	.	.	.	5.1
40	HANAH COUNTRY INN AND GOLF RES	12OCT2016	0.440
41	HANAH COUNTRY INN AND GOLF RES	16NOV2016	0.0007	11.0	7.22	6.9	.	.	.	.	.	0.171	.	.	.	.	.	.	.	.	.	.
42	HANAH COUNTRY INN AND GOLF RES	28NOV2016	0.0040	.	.	.	.	.	.	2.0	.	.	.	.	.	.	.	.	.	.	.	.
43	HANAH COUNTRY INN AND GOLF RES	14DEC2016	0.0040	.	.	.	.	.	.	-1.1	.	0.113	.	.	.	.	.	.	.	.	.	.
44	HOBART	13JUL2016	0.1040	20.5	6.55	6.0	0.40	.	-3.0	-1.0	-0.1	0.029	-0.20	.	.	.	.	.	-1	.	.	.
45	HOBART	03AUG2016	0.0890	20.0	6.74	6.4	0.10	.	-3.0	-1.0	-0.1	430	0.070	-0.20	.	.	.	.	-1	.	.	.
46	HOBART	07SEP2016	0.0910	21.0	6.68	5.7	0.15	.	-3.0	-1.0	-0.1	0.154	0.20	.	.	.	.	.	-1	.	.	.
47	HOBART	05OCT2016	0.0830	19.7	6.58	7.5	0.15	.	-3.0	-1.0	-0.1	0.025	-0.20	.	.	.	.	.	-1	.	.	.
48	HOBART	03NOV2016	0.0660	.	.	.	0.15	.	-3.0	-1.0	-0.1	530	0.047	.	.	.	.	.	.	.	.	.
49	HOBART	03NOV2016	.	.	.	.	.	.	.	.	.	.	13.30	.	.	.	.	.	.	.	.	.
50	HOBART	09NOV2016	0.0880	15.9	6.58	8.1	0.55	.	-3.0	-1.0	-0.1	670	0.019	0.48	.	.	.	.	-1	.	.	.
51	HOBART	07DEC2016	0.0760	13.9	6.75	7.2	0.50	.	-3.0	-1.0	-0.1	0.018	0.20	.	.	.	.	.	.	.	.	.
52	MARGARETVILLE	05JUL2016	.	.	.	.	.	.	-3.0	-1.0	.	0.049	-0.20	.	.	.	.	.	.	.	.	.
53	MARGARETVILLE	06JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
54	MARGARETVILLE	19JUL2016	.	.	.	.	.	.	-3.0	-1.0	.	0.055	-0.20	.	.	.	.	.	.	.	.	.
55	MARGARETVILLE	20JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
56	MARGARETVILLE	02AUG2016	.	.	.	.	.	.	-3.0	-1.0	.	0.054	-0.20	.	.	.	.	.	.	.	.	.
57	MARGARETVILLE	03AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
58	MARGARETVILLE	16AUG2016	.	.	.	.	.	.	-3.0	-1.0	.	0.059	-0.20	.	.	.	.	.	.	.	.	.
59	MARGARETVILLE	17AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
60	MARGARETVILLE	06SEP2016	-3.0	1.8	.	0.040	-0.20
61	MARGARETVILLE	07SEP2016	-1	.	.

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Delaware System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
62	MARGARETVILLE	20SEP2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.055	-0.20	.	.	.	.	.	.	.
63	MARGARETVILLE	21SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
64	MARGARETVILLE	05OCT2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.053	-0.20	.	.	.	.	.	.	.	.
65	MARGARETVILLE	06OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
66	MARGARETVILLE	18OCT2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.062	-0.20	.	.	.	.	.	.	.	.
67	MARGARETVILLE	19OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
68	MARGARETVILLE	01NOV2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.057	-0.20	.	.	.	.	.	.	.	.
69	MARGARETVILLE	02NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
70	MARGARETVILLE	15NOV2016	.	.	.	.	.	.	-3.0	.	.	.	0.040	-0.20	.	.	.	.	.	.	.	.
71	MARGARETVILLE	15NOV2016	.	.	.	.	.	.	.	-1.0	.	.	.	.	.	.	.	.	.	.	.	.
72	MARGARETVILLE	16NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
73	MARGARETVILLE	06DEC2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.043	-0.20	.	.	.	.	.	.	.	.
74	MARGARETVILLE	07DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
75	MARGARETVILLE	20DEC2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.055	-0.20	.	.	.	.	.	.	.	.
76	MARGARETVILLE	21DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
77	ANDES	20JUL2016	0.0200	20.4	7.62	8.9	0.30	-3	.	-1.0	-0.1	.	0.047	-0.20	.	.	.	.	4	.	.	.
78	ANDES	10AUG2016	0.0280	20.3	7.65	8.6	0.55	-3	.	-1.0	-0.1	.	0.072	.	.	.	.	.	-1	.	.	.
79	ANDES	10AUG2016	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.	.
80	ANDES	14SEP2016	0.0240	19.9	7.78	8.9	0.35	-3	.	-1.0	-0.1	.	0.075	-0.20	.	.	.	.	-1	.	.	.
81	ANDES	21SEP2016	.	19.8	7.70	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
82	ANDES	12OCT2016	0.0240	18.3	7.48	9.0	0.15	-3	.	-1.0	-0.1	.	0.037	-0.20	.	.	.	.	-1	.	.	.
83	ANDES	16NOV2016	0.0250	14.4	7.69	9.6	0.55	-3	.	.	-0.1	.	0.026	-0.20	.	.	.	.	-1	.	.	.
84	ANDES	16NOV2016	.	.	.	.	.	.	.	-4.1	.	.	.	.	.	.	.	.	.	.	.	.
85	ANDES	08DEC2016	0.0360	.	.	.	0.45	-3	.	-1.0	-0.1	.	0.020	-0.20	.	.	.	.	.	.	.	.
86	ANDES	14DEC2016	0.0400	.	.	.	.	-3	.	-1.0	-0.1	.	0.054	-0.20	.	.	.	.	.	.	.	.
87	ANDES	20DEC2016	0.20
88	CAMP L'MAN ACHAI	13JUL2016	.	21.0	6.82	7.9	0.65	.	-3.0	-1.0	-0.1	-1	.	.	.

Delaware System

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89	CAMP L'MAN ACHAI	13JUL2016	0.227
90	CAMP L'MAN ACHAI	13JUL2016	6.32
91	CAMP L'MAN ACHAI	03AUG2016	0.0000	21.1	6.42	6.8	0.10	.	-3.0	-1.0	-0.1	.	.	-0.20	11	.	.	.
92	CAMP L'MAN ACHAI	03AUG2016	.	.	.	.	.	.	.	.	.	.	0.350	.	.	.	.	.	.	.	.	.
93	FLEISCHMANN'S	20JUL2016	0.0670	18.9	6.82	8.6	0.40	.	-3.0	-1.0	-0.1	.	0.008	-0.20	.	.	0.04	.	-1	.	.	.
94	FLEISCHMANN'S	03AUG2016	0.0840	19.4	7.22	8.3	0.15	.	-3.0	-1.0	-0.1	.	0.008	-0.20	.	.	-0.04	.	2	.	.	.
95	FLEISCHMANN'S	07SEP2016	0.0260	19.3	7.62	9.0	0.25	.	-3.0	-1.0	-0.1	.	0.027	-0.20	.	.	-0.04	.	-1	.	.	.
96	FLEISCHMANN'S	21SEP2016	.	18.7	7.22	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
97	FLEISCHMANN'S	05OCT2016	0.0260	16.2	7.13	9.4	-0.10	.	-3.0	-1.0	-0.1	.	0.014	-0.20	.	.	-0.04	.	-1	.	.	.
98	FLEISCHMANN'S	03NOV2016	0.0250	.	.	.	0.15	.	-3.0	-1.0	-0.1	.	0.014	0.28	.	.	-0.04	.	.	.	.	.
99	FLEISCHMANN'S	09NOV2016	0.0220	11.4	7.35	10.1	0.75	.	-3.0	-1.0	-0.1	.	0.011	-0.20	.	.	-0.04	.	-1	.	.	.
100	FLEISCHMANN'S	07DEC2016	0.0380	9.2	7.09	11.6	0.75	.	-3.0	-1.0	-0.1	.	0.007	-0.20	.	.	-0.04	.	.	.	.	.
101	FLEISCHMANN'S	20DEC2016	.	.	.	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
102	GRAHAMSVILLE	06JUL2016	.	.	.	.	.	.	4.1	-1.0	.	.	0.054	-0.20	.	.	.	.	.	.	.	.
103	GRAHAMSVILLE	06JUL2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
104	GRAHAMSVILLE	03AUG2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.041	-0.20	.	.	.	.	.	.	.	.
105	GRAHAMSVILLE	03AUG2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.	.
106	GRAHAMSVILLE	07SEP2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.047	-0.20	.	.	.	.	.	.	.	.
107	GRAHAMSVILLE	07SEP2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.	.
108	GRAHAMSVILLE	05OCT2016	.	.	.	.	.	.	-3.0	1.6	.	.	0.037	-0.20	.	.	.	.	.	.	.	.
109	GRAHAMSVILLE	05OCT2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.	.
110	GRAHAMSVILLE	01NOV2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.028	-0.20	.	.	.	.	.	.	.	.
111	GRAHAMSVILLE	01NOV2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.	.
112	GRAHAMSVILLE	07DEC2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.025	-0.20	.	.	.	.	.	.	.	.
113	GRAHAMSVILLE	07DEC2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.	.
114	GRAHAMSVILLE	09AUG2016	.	20.9	7.67	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Delaware System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS			
115	GRAHAMSVILLE	30NOV2016	.	14.1	7.17	.	0.35	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
116	DENVER SEWER CORP	13JUL2016	0.0110	17.2	7.18	8.3	0.50	.	-3.0	-1.0	-0.1	.	0.184	0.20	.	.	-0.04	.	-1	.	.	.		
117	DENVER SEWER CORP	03AUG2016	0.0000	18.2	7.58	8.6	0.45	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	0.46	.	-1	.	.	.		
118	DENVER SEWER CORP	03AUG2016	0.0220	.	.	.	.	.	.	.	.	.	0.224	.	.	.	.	.	.	.	.	.	.
119	DENVER SEWER CORP	14SEP2016	0.0030	18.7	7.24	8.4	1.10	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	0.08	.	-1	.	.	.		
120	DENVER SEWER CORP	14SEP2016	.	.	.	.	.	.	.	.	.	.	0.240	.	.	.	.	.	.	.	.	.	.
121	DENVER SEWER CORP	05OCT2016	0.0070	15.7	7.65	8.1	4.30	.	10.0	56.0	-0.1	.	0.179	-0.20	.	.	-0.04	.	-1	.	.	.	.
122	DENVER SEWER CORP	09NOV2016	0.0070	10.6	8.00	9.9	0.75	.	5.5	-1.1	-0.1	.	0.132	-0.20	.	.	-0.04	.	-1	.	.	.	.
123	DENVER SEWER CORP	07DEC2016	0.0010	7.2	7.69	9.2	0.70	.	-3.0	-1.0	-0.1	.	0.092	-0.20	.	.	-0.04	.	.	.	.	.	.
124	STAMFORD	13JUL2016	0.1180	19.0	6.54	8.3	0.70	.	4.1	-1.0	-0.1	.	0.152	-0.20	.	0.65	-0.04	.	-1	.	.	.	.
125	STAMFORD	03AUG2016	0.1750	19.1	6.76	7.7	0.40	.	-3.0	-1.0	-0.1	.	0.092	-0.20	.	0.57	0.04	.	2	.	.	.	.
126	STAMFORD	07SEP2016	0.1270	20.3	6.73	6.5	0.35	.	3.1	-1.0	-0.1	.	0.118	-0.20	.	0.70	-0.04	.	-1	.	.	.	.
127	STAMFORD	26SEP2016	.	17.4	6.80	.	0.15
128	STAMFORD	05OCT2016	0.1060	17.7	6.56	8.5	0.20	.	3.2	-1.1	-0.1	.	0.089	-0.20	.	0.53	-0.04	.	15	.	.	.	.
129	STAMFORD	03NOV2016	0.1550	.	.	.	0.20	.	7.0	-1.0	-0.1	.	0.016	-0.20	.	0.63	-0.04	.	.	.	.	.	.
130	STAMFORD	09NOV2016	0.1380	14.1	6.48	8.9	0.55	.	4.4	-1.0	-0.1	.	0.020	-0.20	.	0.42	-0.04	.	-1	.	.	.	.
131	STAMFORD	07DEC2016	0.2740	11.8	6.77	9.8	0.80	.	4.2	1.2	-0.1	.	0.189	-0.20	.	0.99	-0.04	.	.	.	.	.	.
132	STAMFORD	19DEC2016	0.30
133	WALTON	20JUL2016	1.2620	23.5	7.71	8.3	0.60	.	-3.0	-1.0	-0.1	.	0.027	-0.20	.	1.50	-0.04	.	-1	.	.	.	.
134	WALTON	10AUG2016	1.1700	23.6	7.62	8.1	1.60	.	-3.0	-1.1	-0.1	.	0.119	.	.	1.20	-0.04	.	1	.	.	.	.
135	WALTON	10AUG2016	-0.20
136	WALTON	14SEP2016	1.5020	21.4	7.38	8.5	0.45	.	3.5	-1.0	-0.1	.	0.015	-0.20	.	-0.20	-0.04	.	-1	.	.	.	.
137	WALTON	12OCT2016	1.1600	20.9	7.36	8.6	0.45	.	-3.0	-1.1	-0.1	.	0.013	-0.20	.	1.30	-0.04	.	-1	
138	WALTON	16NOV2016	1.1600	17.3	7.64	9.1	0.30	.	-3.0	.	-0.1	.	0.008	-0.20	.	0.76	-0.04	.	-1	

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139	WALTON	16NOV2016	-1.7
140	WALTON	01DEC2016	1.3800	.	.	.	0.50	.	-3.0	-1.0	-0.1	.	0.016	-0.20	.	0.87	-0.04
141	WALTON	14DEC2016	1.2670	3.8	-1.0	-0.1	.	0.016	-0.20	.	1.30