

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

**WWTP Water Quality Sampling Monitoring Semiannual Report
(January 1 – June 30, 2016)**

August 2016

*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 CAT/DEL watershed from January 1, 2016 through June 30, 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 January - June 2016.

Catskill System:

<u>Facility</u>	<u>Date</u>	<u>Parameter</u>	<u>Daily Measurement</u>	<u>SPDES Limit</u>
Elka Park	05JAN16	pH	6.42	6.5 - 8.5
Elka Park	05APR16	pH	6.41	6.5 - 8.5
Hunter Highlands	01MAR16	Tot. Chlor. Res.	6.70	0.1 mgL ⁻¹
Hunter Highlands	10MAR16	CBOD	10.6	5 mgL ⁻¹
Hunter Highlands	15JUN16	pH	6.0	6.5 - 8.5
Mountain View	05JAN16	Phosphorus	1.29	0.8 mgL ⁻¹
Mountain View	02FEB16	Phosphorus	2.46	0.8 mgL ⁻¹
Olive Woods	13APR16	CBOD	18.6	5 mgL ⁻¹
Windham	17MAY16	Tot. Chlor. Res.	0.22	0.1 mgL ⁻¹

Delaware System:

<u>Facility</u>	<u>Date</u>	<u>Parameter</u>	<u>Daily Measurement</u>	<u>SPDES Limit</u>
Grahamsville	06APR16	Ammonia	11.1	1.1 mgL ⁻¹
Mountainside	10FEB16	Phosphorus	2.78	0.8 mgL ⁻¹
Mountainside	10FEB16	Nitrate	71.2	20 mgL ⁻¹
Roxbury Run	06JAN16	Tot. Chlor. Res.	2	0.1 mgL ⁻¹
Roxbury Run	10FEB16	Tot. Chlor. Res.	4.6	0.1 mgL ⁻¹
Roxbury Run	04MAY16	Tot. Chlor. Res.	6.9	0.1 mgL ⁻¹

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

Catskill System:

Ashland WTP

date	Parameter	SPDES Violation	SPDES Limit
13JAN16		no violations	
17FEB16		no violations	
09MAR16		no violations	
27APR16		no violations	
17MAY16		no violations	
21JUN16		no violations	

Boiceville WWTP

date	Parameter	SPDES Violation	SPDES Limit
06JAN16		no violations	
03FEB16		no violations	
02MAR16		no violations	
13APR16		no violations	
11MAY16		no violations	
08JUN16		no violations	

Camp Timberlake - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
29JUN16		no violations	

Elka Park (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN16	pH	6.42	6.5 - 8.5
02FEB16		no violations	
01MAR16		no violations	
05APR16	pH	6.41	6.5 - 8.5
03MAY16		no violations	

Elka Park (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
15JUN16		no violations	

Grand Gorge (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN16		no violations	
06JAN16		no violations	
19JAN16		no violations	
20JAN16		no violations	
02FEB16		no violations	
03FEB16		no violations	
16FEB16		no violations	
17FEB16		no violations	
01MAR16		no violations	
02MAR16		no violations	
15MAR16		no violations	
16MAR16		no violations	
05APR16		no violations	
06APR16		no violations	
19APR16		no violations	
20APR16		no violations	
03MAY16		no violations	
04MAY16		no violations	
17MAY16		no violations	
18MAY16		no violations	

Grand Gorge (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
07JUN15		no violations	
08JUN15		no violations	
21JUN15		no violations	
22JUN15		no violations	

Hunter Highlands (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN16		no violations	
02FEB16		no violations	
01MAR16	Tot. Chlor. Res.	6.70	0.1 mgL ⁻¹
10MAR16	CBOD	10.6	5 mgL ⁻¹
16MAR16		no violations	
23MAR16		no violations	
05APR16		no violations	
03MAY16		no violations	

Hunter Highlands (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
15JUN16	pH	6.0	6.5 - 8.5

Hunter Village (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN16		no violations	
25JAN16		no violations	
02FEB16		no violations	
01MAR16		no violations	
05APR16		no violations	
26APR16		no violations	
03MAY16		no violations	

Hunter Village (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
15JUN16		no violations	

Mountain View Estates, Inc.

date	Parameter	SPDES Violation	SPDES Limit
05JAN16	Phosphorus	1.29	0.8 mgL ⁻¹
02FEB16	Phosphorus	2.46	0.8 mgL ⁻¹
01JUN16		no violations	

Olive Woods

date	Parameter	SPDES Violation	SPDES Limit
06JAN16		no violations	
03FEB16		no violations	
02MAR16		no violations	
13APR16	CBOD	18.6	5 mgL ⁻¹
11MAY16		no violations	
08JUN16		no violations	

Oorah Catskill Retreat - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
29JUN16		no violations	

Pine Hill (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN16		no violations	
06JAN16		no violations	
19JAN16		no violations	
20JAN16		no violations	
02FEB16		no violations	
03FEB16		no violations	
16FEB16		no violations	
17FEB16		no violations	
01MAR16		no violations	
02MAR16		no violations	
15MAR16		no violations	
16MAR16		no violations	
05APR16		no violations	
06APR16		no violations	
19APR16		no violations	
20APR16		no violations	
03MAY16		no violations	
04MAY16		no violations	
17MAY16		no violations	
18MAY16		no violations	

Pine Hill (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
07JUN16		no violations	
08JUN16		no violations	
21JUN16		no violations	
22JUN16		no violations	
28JUN16		no violations	

Prattsville WTP

date	Parameter	SPDES Violation	SPDES Limit
13JAN16		no violations	
25JAN16		no violations	
09MAR16		no violations	
19APR16		no violations	
25MAY16		no violations	
21JUN16		no violations	

Tannersville (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN16		no violations	
06JAN16		no violations	
19JAN16		no violations	
20JAN16		no violations	
02FEB16		no violations	
03FEB16		no violations	
16FEB16		no violations	
17FEB16		no violations	
01MAR16		no violations	
02MAR16		no violations	
15MAR16		no violations	
16MAR16		no violations	
05APR16		no violations	
06APR16		no violations	
19APR16		no violations	
20APR16		no violations	
03MAY16		no violations	
04MAY16		no violations	
17MAY16		no violations	
18MAY16		no violations	

Tannersville (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
07JUN16		no violations	
08JUN16		no violations	
21JUN16		no violations	
22JUN16		no violations	

Windham (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
13JAN16		no violations	
11FEB16		no violations	
22FEB16		no violations	
09MAR16		no violations	
19APR16		no violations	
17MAY16	Tot. Chlor. Res.	0.22	0.1 mgL ⁻¹
18MAY16		no violations	

Windham (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
01JUN16		no violations	
29JUN16		no violations	

Delaware System:

Andes

date	Parameter	SPDES Violation	SPDES Limit
13JAN16		no violations	
17FEB16		no violations	
02MAR16		no violations	
09MAR16		no violations	
20APR16		no violations	
18MAY16		no violations	
08JUN16		no violations	
22JUN16		no violations	

Delhi WWTP

date	Parameter	SPDES Violation	SPDES Limit
13JAN16		no violations	
17FEB16		no violations	
09MAR16		no violations	
20APR16		no violations	
11MAY16		no violations	
08JUN16		no violations	
27JUN16		no violations	

Fleischmanns WWTP

date	Parameter	SPDES Violation	SPDES Limit
06JAN16		no violations	
10FEB16		no violations	
02MAR16		no violations	
06APR16		no violations	
04MAY16		no violations	
01JUN16		no violations	
22JUN16		no violations	

Grahamsville WWTP

date	Parameter	SPDES Violation	SPDES Limit
06JAN16		no violations	
03FEB16		no violations	
17FEB16		no violations	
02MAR16		no violations	
06APR16	Ammonia	11.1	1.1 mgL ⁻¹

Grahamsville WWTP - continued

date	Parameter	SPDES Violation	SPDES Limit
25APR16		no violations	
04MAY16		no violations	
01JUN16		no violations	

Hobart

date	Parameter	SPDES Violation	SPDES Limit
06JAN16		no violations	
10FEB16		no violations	
02MAR16		no violations	
06APR16		no violations	
04MAY16		no violations	
01JUN16		no violations	

Hanah Country Inn and Golf Resort

date	Parameter	SPDES Violation	SPDES Limit
22FEB16		no violations	
09MAR16		no violations	
20APR16		no violations	
11MAY16		no violations	
08JUN16		no violations	

Margaretville

date	Parameter	SPDES Violation	SPDES Limit
05JAN16		no violations	
06JAN16		no violations	
19JAN16		no violations	
20JAN16		no violations	
02FEB16		no violations	
03FEB16		no violations	
16FEB16		no violations	
17FEB16		no violations	
01MAR16		no violations	
02MAR16		no violations	
15MAR16		no violations	
16MAR16		no violations	
05APR16		no violations	
06APR16		no violations	
19APR16		no violations	
20APR16		no violations	
03MAY16		no violations	

Margaretville - continued

date	Parameter	SPDES Violation	SPDES Limit
04MAY16		no violations	
17MAY16		no violations	
18MAY16		no violations	
07JUN16		no violations	
08JUN16		no violations	
21JUN16		no violations	
22JUN16		no violations	

Margaretville--% removals

date	Parameter	SPDES Violation	SPDES Limit
05JAN16		% removals okay	
19JAN16		% removals okay	
02FEB16		% removals okay	
16FEB16		% removals okay	
01MAR16		% removals okay	
15MAR16		% removals okay	
05APR16		% removals okay	
19APR16		% removals okay	
03MAY16		% removals okay	
17MAY16		% removals okay	
07JUN16		% removals okay	
21JUN16		% removals okay	

Mountainside Farms - Delaware County Dairies

date	Parameter	SPDES Violation	SPDES Limit
06JAN16		no violations	
10FEB16	Nitrate	71.2	20 mgL ⁻¹
10FEB16	Phosphorus	2.78	0.8 mgL ⁻¹
02MAR16		no violations	
06APR16		no violations	
20APR16		no violations	
04MAY16		no violations	
01JUN16		no violations	
13JUN16		no violations	

Roxbury Run

date	Parameter	SPDES Violation	SPDES Limit
06JAN16	Tot. Chlor. Res.	2	0.1 mgL ⁻¹
10FEB16	Tot. Chlor. Res.	4.6	0.1 mgL ⁻¹
02MAR16		no violations	

Roxbury Run - continued

date	Parameter	SPDES Violation	SPDES Limit
06APR16		no violations	
04MAY16	Tot. Chlor. Res.	6.9	0.1 mgL ⁻¹
01JUN16		no violations	

Stamford WWTP

date	Parameter	SPDES Violation	SPDES Limit
06JAN16		no violations	
10FEB16		no violations	
29FEB16		no violations	
01MAR16		no violations	
02MAR16		no violations	
06APR16		no violations	
04MAY16		no violations	
01JUN16		no violations	
27JUN16		no violations	

Walton WWTP

date	Parameter	SPDES Violation	SPDES Limit
13JAN16		no violations	
17FEB16		no violations	
09MAR16		no violations	
20APR16		no violations	
11MAY16		no violations	
08JUN16		no violations	

Delaware County BOCES

date	Parameter	SPDES Violation	SPDES Limit
13JAN16		no violations	
17FEB16		no violations	
09MAR16		no violations	
20APR16		no violations	
11MAY16		no violations	
08JUN16		no violations	

Catskill System

Table 3. Raw Data for CAT/DEL WWTP effluent samples collected January - June 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	13JAN2016	.	9.7	6.40	10.4	0.10	-3.0	.	-1.0	-0.1	.	.	0.31	.	.	-0.04	.	-1	.	.	
2	ASHLAND WTP	13JAN2016	0.199
3	ASHLAND WTP	17FEB2016	.	6.9	6.51	11.2	0.10	-3.0	.	-1.0	-0.1	.	0.143	0.88	.	.	-0.04	.	-1	.	.	
4	ASHLAND WTP	09MAR2016	.	7.9	6.68	10.8	0.25	-3.0	.	-1.0	-0.1	.	0.038	0.28	.	.	.	.	-1	.	.
5	ASHLAND WTP	27APR2016	0.0130	10.7	6.70	10.6	-0.10	-3.0	.	-1.0	-0.1	.	0.048	0.63	.	.	.	.	-1	.	.
6	ASHLAND WTP	17MAY2016	0.0130	12.1	6.69	10.0	0.10	-3.0	.	-1.0	-0.1	.	0.090	0.63	.	.	.	.	-1	.	.
7	ASHLAND WTP	21JUN2016	0.0078	15.1	6.76	9.0	-0.10	-3.0	.	-1.0	-0.1	.	0.187	-0.20	.	.	.	.	-1	.	.
8	BOICEVILLE WTP	06JAN2016	.	13.1	7.25	11.2	-0.10	.	-3.0	-1.0	-0.1	.	0.054	-0.20	.	.	-0.04	.	-1	.	.	
9	BOICEVILLE WTP	03FEB2016	.	13.3	7.11	11.4	0.10	.	-3.0	-2.0	-0.1	.	0.041	-0.20	.	.	-0.04	.	-1	.	.	
10	BOICEVILLE WTP	02MAR2016	0.0140	10.6	6.85	11.1	0.75	.	-3.0	-1.0	-0.1	.	.	0.39	.	.	.	.	-1	.	.
11	BOICEVILLE WTP	13APR2016	0.0220	13.7	7.95	11.4	0.15	.	-3.0	-1.0	-0.1	.	0.058	.	.	.	.	.	-1	.	.
12	BOICEVILLE WTP	13APR2016	-0.20
13	BOICEVILLE WTP	11MAY2016	0.0190	16.1	7.88	10.9	0.40	.	-3.0	-1.0	-0.1	.	0.083	-0.20	.	.	.	.	-1	.	.
14	BOICEVILLE WTP	08JUN2016	.	19.2	7.95	9.7	0.15	.	-3.0	-1.1	-0.1	.	0.110	-0.20	.	.	.	.	-1	.	.
15	CAMP TIMBERLAKE	29JUN2016	.	20.2	7.78	8.8	-0.10	.	-3.0	-1.0	-0.1	.	0.142	-0.20	.	.	.	.	-1	.	.
16	ELKA PARK	05JAN2016	.	6.3	6.42	11.7	0.10	.	-3.0	-1.0	-0.1	.	0.024	-0.20	.	.	-0.04	.	-1	.	.	
17	ELKA PARK	02FEB2016	.	8.5	6.90	11.6	0.15	.	-3.0	-1.0	-0.1	.	0.069	-0.20	.	.	-0.04	.	-1	.	.	
18	ELKA PARK	01MAR2016	.	6.3	6.88	12.1	0.15	.	-3.0	-1.0	-0.1	.	0.050	-0.20	.	.	-0.04	.	-1	.	.	
19	ELKA PARK	05APR2016	0.0020	9.1	6.41	11.2	0.10	.	-3.0	-1.0	-0.1	.	0.065	-0.20	.	.	.	.	-1	.	.
20	ELKA PARK	03MAY2016	0.0046	9.5	7.39	12.6	-0.10	.	-3.0	-1.0	-0.1	.	0.080	0.37	.	.	.	.	-1	.	.
21	ELKA PARK	15JUN2016	.	14.4	7.46	9.7	0.20	.	-3.0	-1.0	-0.1	.	0.107	-0.20	.	.	.	.	-1	.	.
22	PINE HILL	05JAN2016	-3.0	.	-2.0	.	.	0.008	-0.20
23	PINE HILL	19JAN2016	-3.0	.	-1.1	.	.	0.011	0.99

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	
24	PINE HILL	02FEB2016	.	.	.	.	.	-3.0	.	-2.0	.	.	0.005	-0.20	.	.	.	.	.	.	.	.
25	PINE HILL	16FEB2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.007	-0.20	.	.	.	.	.	.	.	.
26	PINE HILL	01MAR2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.011	-0.20	.	.	.	.	.	.	.	.
27	PINE HILL	15MAR2016	.	.	.	.	.	-3.0	.	-1.1	.	.	.	-0.20	.	.	.	.	.	.	.	.
28	PINE HILL	15MAR2016	.	.	.	.	.	.	.	.	.	.	0.011	.	.	.	.	.	.	.	.	.
29	PINE HILL	05APR2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.017	-0.20	.	.	.	.	.	.	.	.
30	PINE HILL	19APR2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.007	-0.20	.	.	.	.	.	.	.	.
31	PINE HILL	03MAY2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.014	-0.20	.	.	.	.	.	.	.	.
32	PINE HILL	17MAY2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.008	-0.20	.	.	.	.	.	.	.	.
33	PINE HILL	07JUN2016	.	.	.	.	.	-3.0	.	-1.0	.	.	0.038	-0.20	.	.	.	.	.	.	.	.
34	PINE HILL	21JUN2016	.	.	.	.	.	-3.0	.	-1.1	.	.	0.019	-0.20	.	.	.	.	.	.	.	.
35	PINE HILL	28JUN2016	.	.	.	.	.	-3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36	PINE HILL	06JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
37	PINE HILL	20JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
38	PINE HILL	03FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
39	PINE HILL	17FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
40	PINE HILL	02MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
41	PINE HILL	16MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
42	PINE HILL	06APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
43	PINE HILL	20APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
44	PINE HILL	04MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
45	PINE HILL	18MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
46	PINE HILL	08JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
47	PINE HILL	22JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
48	PINE HILL	05JAN2016	.	.	.	.	.	77.4	.	199.0	.	.	.	.	.	.	.	.	.	.	.	.
49	PINE HILL	19JAN2016	.	.	.	.	.	123.0	.	159.0	.	.	.	.	.	.	.	.	.	.	.	.
50	PINE HILL	02FEB2016	.	.	.	.	.	60.2	.	83.0	.	.	.	.	.	.	.	.	.	.	.	.
51	PINE HILL	16FEB2016	.	.	.	.	.	156.0	.	340.0	.	.	.	.	.	.	.	.	.	.	.	.
52	PINE HILL	01MAR2016	.	.	.	.	.	62.6	.	46.0	.	.	.	.	.	.	.	.	.	.	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
53	PINE HILL	15MAR2016	.	.	.	.	.	66.9	.	72.0	.	.	.	.	.	.	.	.	.	.	.	.
54	PINE HILL	05APR2016	.	.	.	.	.	87.4	.	50.0	.	.	.	.	.	.	.	.	.	.	.	.
55	PINE HILL	19APR2016	.	.	.	.	.	62.8	.	144.0	.	.	.	.	.	.	.	.	.	.	.	.
56	PINE HILL	03MAY2016	.	.	.	.	.	82.0	.	87.0	.	.	.	.	.	.	.	.	.	.	.	.
57	PINE HILL	17MAY2016	.	.	.	.	.	68.5	.	78.0	.	.	.	.	.	.	.	.	.	.	.	.
58	PINE HILL	07JUN2016	.	.	.	.	.	152.0	.	168.0	.	.	.	.	.	.	.	.	.	.	.	.
59	PINE HILL	21JUN2016	.	.	.	.	.	209.0	.	315.0	.	.	.	.	.	.	.	.	.	.	.	.
60	PINE HILL	28JUN2016	.	.	.	.	.	198.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
61	HUNTER HIGHLANDS	05JAN2016	.	5.1	7.46	12.2	0.25	.	4.2	-1.0	-0.1	.	0.028	0.45	.	.	-0.04	.	-1	.	.	
62	HUNTER HIGHLANDS	02FEB2016	.	6.1	7.26	12.2	0.95	.	-3.0	-1.0	-0.1	.	0.012	-0.20	.	.	-0.04	.	-1	.	.	
63	HUNTER HIGHLANDS	01MAR2016	.	6.5	7.21	11.9	0.20	.	-3.0	-1.0	-0.1	.	0.023	-0.20	.	.	6.70	.	-1	.	.	
64	HUNTER HIGHLANDS	10MAR2016	0.0001	11.2	7.09	10.8	0.25	.	10.6	3.2	-0.1	.	0.011	-0.20	.	.	-0.04	.	-1	.	.	
65	HUNTER HIGHLANDS	16MAR2016	0.0230	9.5	7.08	11.3	0.15	.	3.7	-1.0	-0.1	.	.	-0.20	.	.	-0.04	.	-1	.	.	
66	HUNTER HIGHLANDS	16MAR2016	.	.	.	.	.	.	.	.	.	.	0.010	.	.	.	.	.	.	.	.	.
67	HUNTER HIGHLANDS	23MAR2016	0.0340	8.3	7.12	12.5	0.15	.	3.5	-1.0	-0.1	.	0.015	-0.20	.	.	-0.04	.	-1	.	.	
68	HUNTER HIGHLANDS	05APR2016	0.0310	9.1	7.00	11.6	0.40	.	-3.0	1.5	-0.1	.	0.020	-0.20	.	.	-0.04	.	-1	.	.	
69	HUNTER HIGHLANDS	03MAY2016	0.0450	11.7	7.58	12.2	0.10	.	-3.0	-1.0	-0.1	.	0.007	-0.20	.	.	-0.04	.	-1	.	.	
70	HUNTER HIGHLANDS	15JUN2016	0.0210	18.0	6.00	9.1	0.60	.	4.6	2.5	-0.1	.	0.014	0.75	.	.	0.19	.	-1	.	.	
71	HUNTER HIGHLANDS	22FEB2016	.	6.1	6.68	.	11.00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
72	HUNTER HIGHLANDS	16MAY2016	.	13.1	4.73	.	0.45	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
73	HUNTER WTP	05JAN2016	.	7.5	7.30	11.7	0.15	-3.0	.	-2.0	-0.1	.	0.013	0.30	.	.	-0.04	.	-1	.	.	
74	HUNTER WTP	25JAN2016	.	7.3	6.68	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
75	HUNTER WTP	02FEB2016	.	8.1	6.97	11.4	0.50	-3.0	.	-2.0	-0.1	.	0.019	-0.20	.	.	-0.04	.	-1	.	.
76	HUNTER WTP	01MAR2016	.	7.0	6.68	11.7	0.15	-3.0	.	-1.0	-0.1	.	0.024	-0.20	.	.	0.05	.	-1	.	.
77	HUNTER WTP	05APR2016	0.1100	7.7	6.73	11.8	0.15	-3.0	.	-1.0	-0.1	.	0.019	-0.20	.	.	-0.04	.	-1	.	.
78	HUNTER WTP	26APR2016	.	11.6	6.27	.	0.20	.	.	.	.	.	.	.	.	.	.	.	.	.	.
79	HUNTER WTP	03MAY2016	0.1152	10.9	6.31	12.3	0.10	-3.0	.	-1.0	-0.1	.	0.009	-0.20	.	.	-0.04	.	-1	.	.
80	HUNTER WTP	15JUN2016	0.1040	17.9	6.77	8.7	0.10	-3.0	.	-1.0	-0.1	.	0.030	-0.20	.	.	-0.04	.	-1	.	.
81	MARGARETVILLE	05JAN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.009	-0.20	.	.	.	.	.	.	.
82	MARGARETVILLE	06JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
83	MARGARETVILLE	19JAN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.018	-0.20	.	.	.	.	.	.	.
84	MARGARETVILLE	20JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
85	MARGARETVILLE	02FEB2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.031	-0.20	.	.	.	.	.	.	.
86	MARGARETVILLE	03FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
87	MARGARETVILLE	16FEB2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.032	-0.20	.	.	.	.	.	.	.
88	MARGARETVILLE	17FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
89	MARGARETVILLE	01MAR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.033	-0.20	.	.	.	.	.	.	.
90	MARGARETVILLE	02MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
91	MARGARETVILLE	15MAR2016	.	.	.	.	.	.	-3.0	-1.1	.	.	.	-0.20	.	.	.	.	.	.	.
92	MARGARETVILLE	15MAR2016	.	.	.	.	.	.	.	.	.	.	0.051	.	.	.	.	.	.	.	.
93	MARGARETVILLE	16MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
94	MARGARETVILLE	05APR2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.039	-0.20	.	.	.	.	.	.	.
95	MARGARETVILLE	06APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
96	MARGARETVILLE	19APR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.039	-0.20	.	.	.	.	.	.	.
97	MARGARETVILLE	20APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
98	MARGARETVILLE	03MAY2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.057	-0.20	.	.	.	.	.	.	.
99	MARGARETVILLE	04MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
100	MARGARETVILLE	17MAY2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.044	-0.20	.	.	.	.	.	.	.
101	MARGARETVILLE	18MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
102	MARGARETVILLE	07JUN2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.050	.	.	.	.	.	.	.	.
103	MARGARETVILLE	07JUN2016	.	.	.	.	.	.	.	.	.	.	.	6.91	.	.	.	.	.	.	.

Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
104	MARGARETVILLE	08JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
105	MARGARETVILLE	21JUN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.048	-0.20	.	.	.	.	.	.	.	.
106	MARGARETVILLE	22JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
107	MARGARETVILLE	05JAN2016	.	.	.	.	.	.	123.0	116.0	.	.	.	.	.	.	.	.	.	.	.	.
108	MARGARETVILLE	19JAN2016	.	.	.	.	.	.	141.0	204.0	.	.	.	.	.	.	.	.	.	.	.	.
109	MARGARETVILLE	02FEB2016	.	.	.	.	.	.	149.0	117.0	.	.	.	.	.	.	.	.	.	.	.	.
110	MARGARETVILLE	16FEB2016	.	.	.	.	.	.	132.0	130.0	.	.	.	.	.	.	.	.	.	.	.	.
111	MARGARETVILLE	01MAR2016	.	.	.	.	.	.	65.1	93.5	.	.	.	.	.	.	.	.	.	.	.	.
112	MARGARETVILLE	15MAR2016	.	.	.	.	.	.	106.0	129.0	.	.	.	.	.	.	.	.	.	.	.	.
113	MARGARETVILLE	05APR2016	.	.	.	.	.	.	113.0	126.0	.	.	.	.	.	.	.	.	.	.	.	.
114	MARGARETVILLE	19APR2016	.	.	.	.	.	.	112.0	186.0	.	.	.	.	.	.	.	.	.	.	.	.
115	MARGARETVILLE	03MAY2016	.	.	.	.	.	.	185.0	189.0	.	.	.	.	.	.	.	.	.	.	.	.
116	MARGARETVILLE	17MAY2016	.	.	.	.	.	.	147.0	255.0	.	.	.	.	.	.	.	.	.	.	.	.
117	MARGARETVILLE	07JUN2016	.	.	.	.	.	.	204.0	197.0	.	.	.	.	.	.	.	.	.	.	.	.
118	MARGARETVILLE	21JUN2016	.	.	.	.	.	.	234.0	476.0	.	.	.	.	.	.	.	.	.	.	.	.
119	MOUNTAIN VIEW	05JAN2016	.	11.2	8.70	10.4	0.90	.	-3.0	1.8	-0.1	.	.	-0.20	.	.	-0.04	.	-1	.	.	
120	MOUNTAIN VIEW	05JAN2016	.	.	.	.	.	.	.	.	.	.	1.290	.	.	.	.	.	.	.	.	.
121	MOUNTAIN VIEW	02FEB2016	.	14.0	9.03	10.1	0.50	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	-0.04	.	-1	.	.	
122	MOUNTAIN VIEW	02FEB2016	.	.	.	.	.	.	.	.	.	.	2.460	.	.	.	.	.	.	.	.	.
123	MOUNTAIN VIEW	01JUN2016	.	20.0	7.43	9.5	0.10	.	-3.0	-1.0	-0.1	.	0.064	-0.20	.	.	.	.	-1	.	.	
124	OORAH CATSKILL RETREAT	29JUN2016	.	16.1	7.73	9.6	0.10	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	-1	.	.	
125	OORAH CATSKILL RETREAT	29JUN2016	.	.	.	.	.	.	.	.	.	.	0.576	.	.	.	.	.	.	.	.	.
126	PRATTSVILLE WTP	13JAN2016	.	12.7	6.78	9.2	-0.10	.	-3.0	-1.0	-0.1	.	0.025	.	.	-0.2	-0.04	.	-1	.	.	
127	PRATTSVILLE WTP	25JAN2016	.	12.1	6.69	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
128	PRATTSVILLE WTP	09MAR2016	0.0150	11.8	6.99	8.7	0.45	.	-3.0	-1.0	-0.1	.	0.028	.	.	2.3	.	.	-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	
129	PRATTSVILLE WTP	19APR2016	0.0150	11.9	6.76	8.1	0.10	.	-3.0	-1.0	-0.1	.	0.033	.	.	1.1	.	.	-1		.	
130	PRATTSVILLE WTP	19APR2016	.	11.6	6.89	.	0.95
131	PRATTSVILLE WTP	25MAY2016	0.0190	14.7	6.81	9.1	0.15	.	-3.0	-1.0	-0.1	.	0.051	.	.	-0.2	.	.	-1		.	
132	PRATTSVILLE WTP	21JUN2016	0.0150	16.5	7.12	7.3	0.25	.	-3.0	-1.0	-0.1	.	0.079	.	.	1.2	.	.	-1		.	
133	GRAND GORGE	05JAN2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.025	-0.20	.	.	.	.	.		.
134	GRAND GORGE	19JAN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.013	-0.20	.	.	.	.	.		.
135	GRAND GORGE	02FEB2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.009	-0.20	.	.	.	.	.		.
136	GRAND GORGE	16FEB2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.011	-0.20	.	.	.	.	.		.
137	GRAND GORGE	01MAR2016	.	.	.	.	.	.	4.0	-1.1	.	.	0.073	-0.20	.	.	.	.	.		.
138	GRAND GORGE	15MAR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	.	-0.20	.	.	.	.	.		.
139	GRAND GORGE	15MAR2016	.	.	.	.	.	.	.	.	.	.	0.016	.	.	.	.	.	.		.
140	GRAND GORGE	05APR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.033	-0.20	.	.	.	.	.		.
141	GRAND GORGE	19APR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.020	-0.20	.	.	.	.	.		.
142	GRAND GORGE	03MAY2016	.	.	.	.	.	.	3.7	1.1	.	.	0.045	-0.20	.	.	.	.	.		.
143	GRAND GORGE	17MAY2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.051	-0.20	.	.	.	.	.		.
144	GRAND GORGE	07JUN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	.	-0.20	.	.	.	.	.		.
145	GRAND GORGE	07JUN2016	.	.	.	.	.	.	.	.	.	.	0.192	.	.	.	.	.	.		.
146	GRAND GORGE	21JUN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.079	-0.20	.	.	.	.	.		.
147	GRAND GORGE	06JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
148	GRAND GORGE	20JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
149	GRAND GORGE	03FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
150	GRAND GORGE	17FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
151	GRAND GORGE	02MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
152	GRAND GORGE	16MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
153	GRAND GORGE	06APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
154	GRAND GORGE	20APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-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	
155	GRAND GORGE	04MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
156	GRAND GORGE	18MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
157	GRAND GORGE	08JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
158	GRAND GORGE	22JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
159	GRAND GORGE	05JAN2016	.	.	.	.	.	.	60.3	53.0	.	.	.	.	.	.	.	.	.	.	.	.
160	GRAND GORGE	19JAN2016	.	.	.	.	.	.	60.8	65.0	.	.	.	.	.	.	.	.	.	.	.	.
161	GRAND GORGE	02FEB2016	.	.	.	.	.	.	101.0	111.0	.	.	.	.	.	.	.	.	.	.	.	.
162	GRAND GORGE	16FEB2016	.	.	.	.	.	.	40.8	115.0	.	.	.	.	.	.	.	.	.	.	.	.
163	GRAND GORGE	01MAR2016	.	.	.	.	.	.	36.0	42.0	.	.	.	.	.	.	.	.	.	.	.	.
164	GRAND GORGE	15MAR2016	.	.	.	.	.	.	59.8	85.3	.	.	.	.	.	.	.	.	.	.	.	.
165	GRAND GORGE	05APR2016	.	.	.	.	.	.	65.3	81.0	.	.	.	.	.	.	.	.	.	.	.	.
166	GRAND GORGE	19APR2016	.	.	.	.	.	.	75.8	123.0	.	.	.	.	.	.	.	.	.	.	.	.
167	GRAND GORGE	03MAY2016	.	.	.	.	.	.	112.0	150.0	.	.	.	.	.	.	.	.	.	.	.	.
168	GRAND GORGE	17MAY2016	.	.	.	.	.	.	68.6	93.0	.	.	.	.	.	.	.	.	.	.	.	.
169	GRAND GORGE	07JUN2016	.	.	.	.	.	.	100.0	112.0	.	.	.	.	.	.	.	.	.	.	.	.
170	GRAND GORGE	21JUN2016	.	.	.	.	.	.	86.6	176.0	.	.	.	.	.	.	.	.	.	.	.	.
171	TANNERSVILLE	05JAN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.007	-0.20	.	.	.	.	.	.	.	.
172	TANNERSVILLE	19JAN2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.008	-0.20	.	.	.	.	.	.	.	.
173	TANNERSVILLE	02FEB2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.006	-0.20	.	.	.	.	.	.	.	.
174	TANNERSVILLE	16FEB2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.008	-0.20	.	.	.	.	.	.	.	.
175	TANNERSVILLE	01MAR2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.007	-0.20	.	.	.	.	.	.	.	.
176	TANNERSVILLE	15MAR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	.	-0.20	.	.	.	.	.	.	.	.
177	TANNERSVILLE	15MAR2016	.	.	.	.	.	.	.	.	.	.	0.010	.	.	.	.	.	.	.	.	.
178	TANNERSVILLE	05APR2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.014	-0.20	.	.	.	.	.	.	.	.
179	TANNERSVILLE	19APR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.007	0.20	.	.	.	.	.	.	.	.
180	TANNERSVILLE	03MAY2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.013	-0.20	.	.	.	.	.	.	.	.
181	TANNERSVILLE	17MAY2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.022	-0.20	.	.	.	.	.	.	.	.
182	TANNERSVILLE	07JUN2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.086	-0.20	.	.	.	.	.	.	.	.
183	TANNERSVILLE	21JUN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.140	-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	
184	TANNERSVILLE	06JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
185	TANNERSVILLE	20JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
186	TANNERSVILLE	03FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
187	TANNERSVILLE	17FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
188	TANNERSVILLE	02MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
189	TANNERSVILLE	16MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
190	TANNERSVILLE	06APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
191	TANNERSVILLE	20APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
192	TANNERSVILLE	04MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
193	TANNERSVILLE	18MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
194	TANNERSVILLE	08JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
195	TANNERSVILLE	22JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
196	TANNERSVILLE	05JAN2016	.	.	.	.	.	.	77.6	82.0	.	.	.	.	.	.	.	.	.	.	.	.
197	TANNERSVILLE	19JAN2016	.	.	.	.	.	.	77.8	79.0	.	.	.	.	.	.	.	.	.	.	.	.
198	TANNERSVILLE	02FEB2016	.	.	.	.	.	.	75.0	107.0	.	.	.	.	.	.	.	.	.	.	.	.
199	TANNERSVILLE	16FEB2016	.	.	.	.	.	.	60.4	74.0	.	.	.	.	.	.	.	.	.	.	.	.
200	TANNERSVILLE	01MAR2016	.	.	.	.	.	.	52.4	77.0	.	.	.	.	.	.	.	.	.	.	.	.
201	TANNERSVILLE	15MAR2016	.	.	.	.	.	.	77.4	82.0	.	.	.	.	.	.	.	.	.	.	.	.
202	TANNERSVILLE	05APR2016	.	.	.	.	.	.	113.0	142.0	.	.	.	.	.	.	.	.	.	.	.	.
203	TANNERSVILLE	19APR2016	.	.	.	.	.	.	90.8	84.7	.	.	.	.	.	.	.	.	.	.	.	.
204	TANNERSVILLE	03MAY2016	.	.	.	.	.	.	92.6	72.0	.	.	.	.	.	.	.	.	.	.	.	.
205	TANNERSVILLE	17MAY2016	.	.	.	.	.	.	136.0	111.0	.	.	.	.	.	.	.	.	.	.	.	.
206	TANNERSVILLE	07JUN2016	.	.	.	.	.	.	132.0	143.0	.	.	.	.	.	.	.	.	.	.	.	.
207	TANNERSVILLE	21JUN2016	.	.	.	.	.	.	110.0	116.0	.	.	.	.	.	.	.	.	.	.	.	.
208	WINDHAM WTP	13JAN2016	.	6.0	6.53	11.7	0.10	-3.0	.	-1.0	-0.1	0.010	.	.	.	-0.04	.	-1	.	.	.	
209	WINDHAM WTP	11FEB2016	.	5.6	6.68	12.5	0.50	-3.0	.	-1.0	-0.1	0.010	.	.	.	-0.04	.	-1	.	.	.	
210	WINDHAM WTP	11FEB2016	.	.	.	.	.	-3.0	.	-1.1	.	0.013	.	.	.	-0.04	.	.	.	.	.
211	WINDHAM WTP	22FEB2016	.	7.8	6.15	.	0.40	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
212	WINDHAM WTP	09MAR2016	0.0170	8.2	6.64	11.7	0.40	-3.0	.	-1.0	-0.1	0.013	.	.	.	0.06	.	-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
213	WINDHAM WTP	19APR2016	0.0150	9.7	6.58	11.4	0.10	-3.0	.	-1.0	-0.1	.	0.008	.	.	.	-0.04	.	-1	.	.
214	WINDHAM WTP	17MAY2016	0.0180	11.1	6.63	11.2	-0.10	-3.0	.	-1.0	-0.1	.	0.012	.	.	.	0.22	.	-1	.	.
215	WINDHAM WTP	18MAY2016	.	10.6	6.56	.	0.30	.	.	.	.	.	.	.	.	.	.	.	.	.	.
216	WINDHAM WTP	01JUN2016	.	15.5	6.84	10.9	0.20	-3.0	.	-1.0	-0.1	.	0.017	.	.	.	0.05	.	-1	.	.
217	WINDHAM WTP	29JUN2016	.	.	.	.	.	.	-3.0	.	.	.	.	-0.20	.	0.6	.	.	.	.	.
218	OLIVE WOODS	06JAN2016	.	9.8	7.42	11.4	6.00	.	-3.0	1.3	-0.1	.	0.053	-0.20	.	.	-0.04	.	-1	.	.
219	OLIVE WOODS	03FEB2016	.	11.6	7.00	10.9	0.60	.	-3.0	-1.0	-0.1	.	0.064	-0.20	.	.	-0.04	.	-1	.	.
220	OLIVE WOODS	02MAR2016	0.0018	8.9	6.77	11.3	0.10	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	-1	.	.
221	OLIVE WOODS	13APR2016	0.0023	10.5	7.16	11.6	0.20	.	18.6	1.4	-0.1	.	.	.	.	.	.	.	-1	.	.
222	OLIVE WOODS	13APR2016	.	.	.	.	.	.	.	.	.	.	0.435	.	.	.	.	.	.	.	.
223	OLIVE WOODS	13APR2016	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.
224	OLIVE WOODS	11MAY2016	0.0004	14.0	7.94	10.8	0.15	.	-3.0	-1.0	-0.1	.	0.110	-0.20	.	.	.	.	-1	.	.
225	OLIVE WOODS	08JUN2016	0.0058	17.1	7.81	9.4	0.35	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	.	.	4	.	.
226	OLIVE WOODS	08JUN2016	.	.	.	.	.	.	.	.	.	.	0.207	.	.	.	.	.	.	.	.

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	WEST DELAWARE BOCES	13JAN2016	0.0050	12.7	7.16	7.7	0.25	.	-3.0	-1.0	-0.1	690	0.084	-0.20	.	.	-0.04	.	-1		.	
2	WEST DELAWARE BOCES	17FEB2016	0.0040	15.3	7.25	7.3	0.45	.	-3.0	-1.0	-0.1	940	0.092	-0.20	.	.	-0.04	.	-1		.	
3	WEST DELAWARE BOCES	09MAR2016	0.0020	14.5	7.08	6.7	0.20	.	-3.0	-1.0	-0.1	750	0.090	-0.20	.	.	-0.04	.	-1		.	
4	WEST DELAWARE BOCES	20APR2016	0.0030	17.3	7.04	7.2	0.10	.	-3.0	-1.0	-0.1	820	0.098	.	.	.	.	.	-1		.
5	WEST DELAWARE BOCES	20APR2016	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.
6	WEST DELAWARE BOCES	11MAY2016	0.0008	15.7	7.42	8.4	0.35	.	-3.0	-1.0	-0.1	840	0.102	0.35	.	.	.	.	-1		.
7	WEST DELAWARE BOCES	08JUN2016	0.0040	19.7	7.50	6.2	0.15	.	-3.0	-1.0	-0.1	730	.	-0.20	.	.	.	.	-1		.
8	WEST DELAWARE BOCES	08JUN2016	.	.	.	.	.	.	.	.	.	.	0.201	.	.	.	.	.	.	.	.
9	MOUNTAINSIDE FARMS	06JAN2016	0.0390	15.9	7.54	6.8	0.80	-3	.	-1.0	.	.	0.077	.	0.57	.	.	225	.		-0.10	
10	MOUNTAINSIDE FARMS	10FEB2016	0.0290	24.1	7.40	6.5	0.20	-3	.	-1.0	.	.	.	.	.	.	.	270	.		0.16
11	MOUNTAINSIDE FARMS	10FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	71.20	.	.	.	.	.	.
12	MOUNTAINSIDE FARMS	10FEB2016	.	.	.	.	.	.	.	.	.	.	2.780	.	.	.	.	.	.	.	.
13	MOUNTAINSIDE FARMS	02MAR2016	0.0340	21.0	7.41	6.8	0.15	-3	.	-1.0	.	.	0.077	.	7.88	.	.	296	.		-0.10	
14	MOUNTAINSIDE FARMS	06APR2016	0.0460	17.8	7.56	8.4	0.35	-3	.	-1.0	.	.	0.102	.	3.62	.	.	195	.		.	
15	MOUNTAINSIDE FARMS	20APR2016		-0.10
16	MOUNTAINSIDE FARMS	04MAY2016	0.0380	21.4	7.57	7.0	-0.10	-3	.	-1.0	.	.	0.044	.	9.05	.	.	245	.		-0.10	
17	MOUNTAINSIDE FARMS	01JUN2016	0.0460	27.9	7.46	5.6	0.30	-3	.	-1.0	.	.	0.193	.	2.86	.	.	243	.		.	
18	MOUNTAINSIDE FARMS	13JUN2016	0.0200	24.0	7.63		-0.10
19	DELHI	13JAN2016	0.2940	12.3	7.79	9.7	0.20	.	6.4	-1.1	-0.1	.	0.017	-0.20	.	-0.20	-0.04	.	-1		.	

All data are provisional.

Delaware System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
20	DELHI	17FEB2016	0.4220	13.2	7.50	9.6	0.30	.	3.5	-1.0	-0.1	.	0.038	-0.20	.	-0.20	-0.04	.	-1		.
21	DELHI	09MAR2016	0.6450	15.3	7.43	8.9	0.15	.	-3.0	-1.0	-0.1	.	0.024	-0.20	.	-0.20	-0.04	.	-1		.
22	DELHI	20APR2016	0.6950	18.4	7.20	8.1	0.25	.	3.2	-1.0	-0.1	.	0.044	-0.20	.	-0.20	-0.04	.	-1		.
23	DELHI	11MAY2016	0.6000	18.1	7.47	8.3	0.10	.	-3.0	-1.0	-0.1	.	0.028	-0.20	.	-0.20	-0.04	.	-1		.
24	DELHI	08JUN2016	0.5520	22.3	7.73	7.2	0.15	.	3.5	-1.0	-0.1	.	0.126	-0.20	.	-0.20	-0.04	.	3		.
25	DELHI	27JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.
26	HANAH COUNTRY INN AND GOLF RESORT	22FEB2016	0.0020	4.6	7.13	.	.	.	.	9.4	.	.	.	.	.	.	.	.	.	.	.
27	HANAH COUNTRY INN AND GOLF RESORT	22FEB2016	.	.	.	.	.	.	.	.	.	.	0.324	.	.	.	.	.	.	.	.
28	HANAH COUNTRY INN AND GOLF RESORT	09MAR2016	0.0000	6.5	7.09	.	.	.	.	2.1	.	.	.	.	.	.	.	.	.	.	.
29	HANAH COUNTRY INN AND GOLF RESORT	09MAR2016	.	.	.	.	.	.	.	.	.	.	0.236	.	.	.	.	.	.	.	.
30	HANAH COUNTRY INN AND GOLF RESORT	20APR2016	0.0000	7.6	7.01	2.1	.	.	.	1.1	.	.	0.126	.	.	.	.	.	.	.	.
31	HANAH COUNTRY INN AND GOLF RESORT	11MAY2016	0.0010	10.1	7.11	9.1	.	.	.	1.9	.	.	0.195	.	.	.	.	.	.	.	.
32	HANAH COUNTRY INN AND GOLF RESORT	08JUN2016	0.0020	16.1	6.99	6.2	.	.	.	2.4	.	.	.	.	.	.	.	.	.	.	.
33	HANAH COUNTRY INN AND GOLF RESORT	08JUN2016	.	.	.	.	.	.	.	.	.	.	0.393	.	.	.	.	.	.	.	.
34	HOBART	06JAN2016	0.1010	11.7	7.02	9.3	0.20	.	-3.0	-1.0	-0.1	.	0.006	-0.20	.	.	-0.04	.	-1		.
35	HOBART	10FEB2016	0.0940	12.0	7.09	9.1	0.40	.	-3.0	-1.0	-0.1	.	0.006	-0.20	.	.	.	.	-1		.
36	HOBART	02MAR2016	0.1100	9.9	6.51	8.8	0.30	.	-3.0	-1.1	-0.1	.	0.008	-0.20	.	.	-0.04	.	-1		.
37	HOBART	06APR2016	0.0890	11.4	6.71	8.5	0.15	.	-3.0	-1.0	-0.1	.	0.012	0.20	.	.	.	.	-1		.
38	HOBART	04MAY2016	0.0890	13.9	6.48	7.6	0.35	.	-3.0	-1.0	-0.1	.	0.008	-0.20	.	.	.	.	-1		.
39	HOBART	01JUN2016	0.0760	16.9	6.53	6.9	0.35	.	-3.0	-1.0	-0.1	.	0.009	-0.20	.	.	.	.	-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
40	MARGARETVILLE	05JAN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.009	-0.20	.	.	.	.	.	.	.
41	MARGARETVILLE	06JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
42	MARGARETVILLE	19JAN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.018	-0.20	.	.	.	.	.	.	.
43	MARGARETVILLE	20JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
44	MARGARETVILLE	02FEB2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.031	-0.20	.	.	.	.	.	.	.
45	MARGARETVILLE	03FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
46	MARGARETVILLE	16FEB2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.032	-0.20	.	.	.	.	.	.	.
47	MARGARETVILLE	17FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
48	MARGARETVILLE	01MAR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.033	-0.20	.	.	.	.	.	.	.
49	MARGARETVILLE	02MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
50	MARGARETVILLE	15MAR2016	.	.	.	.	.	.	-3.0	-1.1	.	.	.	-0.20	.	.	.	.	.	.	.
51	MARGARETVILLE	15MAR2016	.	.	.	.	.	.	.	.	.	.	0.051	.	.	.	.	.	.	.	.
52	MARGARETVILLE	16MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
53	MARGARETVILLE	05APR2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.039	-0.20	.	.	.	.	.	.	.
54	MARGARETVILLE	06APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
55	MARGARETVILLE	19APR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.039	-0.20	.	.	.	.	.	.	.
56	MARGARETVILLE	20APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
57	MARGARETVILLE	03MAY2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.057	-0.20	.	.	.	.	.	.	.
58	MARGARETVILLE	04MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
59	MARGARETVILLE	17MAY2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.044	-0.20	.	.	.	.	.	.	.
60	MARGARETVILLE	18MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
61	MARGARETVILLE	07JUN2016	.	.	.	.	.	.	-3.0	-1.1	.	.	0.050	.	.	.	.	.	.	.	.
62	MARGARETVILLE	07JUN2016	.	.	.	.	.	.	.	.	.	.	.	6.91	.	.	.	.	.	.	.
63	MARGARETVILLE	08JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
64	MARGARETVILLE	21JUN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.048	-0.20	.	.	.	.	.	.	.
65	MARGARETVILLE	22JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
66	ANDES	13JAN2016	0.0400	9.5	7.61	10.8	0.25	-3	.	-1.0	-0.1	.	0.022	-0.20	.	.	-0.04	.	-1	.	.
67	ANDES	17FEB2016	0.0480	7.5	7.41	11.4	0.30	-3	.	-1.0	-0.1	.	0.016	-0.20	.	.	-0.04	.	-1	.	.
68	ANDES	02MAR2016	.	8.8	7.05	.	-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
69	ANDES	09MAR2016	0.0260	9.6	7.58	10.8	0.40	-3	.	-1.0	-0.1	.	0.013	-0.20	.	.	-0.04	.	-1	.	.
70	ANDES	20APR2016	0.0210	12.3	7.63	10.1	0.15	-3	.	-1.0	-0.1	.	0.011	-0.20	.	.	.	.	-1	.	.
71	ANDES	18MAY2016	0.0190	14.6	7.00	9.6	0.65	-3	.	-1.0	-0.1	.	0.020	-0.20	.	.	.	.	-1	.	.
72	ANDES	08JUN2016	0.0190	17.5	7.48	9.0	-0.10	-3	.	-1.0	-0.1	.	0.033	-0.20	.	.	.	.	-1	.	.
73	ANDES	22JUN2016	.	18.3	7.59	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.
74	FLEISCHMANN	06JAN2016	0.0270	7.5	7.11	12.5	0.75	.	-3.0	-1.0	-0.1	.	0.009	-0.20	.	.	-0.04	.	-1	.	.
75	FLEISCHMANN	10FEB2016	0.0220	7.2	7.37	11.8	0.35	.	-3.0	-1.0	-0.1	.	0.011	-0.20	.	.	.	.	-1	.	.
76	FLEISCHMANN	02MAR2016	0.0368	7.2	7.25	11.1	0.25	.	-3.0	-1.0	-0.1	.	0.008	-0.20	.	.	-0.04	.	-1	.	.
77	FLEISCHMANN	02MAR2016	.	6.7	7.29	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.
78	FLEISCHMANN	06APR2016	0.0100	7.4	7.38	11.3	0.30	.	-3.0	-1.0	-0.1	.	0.011	.	.	.	-0.04	.	-1	.	.
79	FLEISCHMANN	06APR2016	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.
80	FLEISCHMANN	04MAY2016	0.0110	10.4	7.07	10.2	0.55	.	-3.0	-1.0	-0.1	.	0.009	-0.20	.	.	-0.04	.	-1	.	.
81	FLEISCHMANN	01JUN2016	0.0210	15.7	7.31	9.3	0.25	.	-3.0	-1.0	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
82	FLEISCHMANN	22JUN2016	.	15.8	7.21	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
83	GRAHAMSVILLE	06JAN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.014	-0.20	.	.	.	.	.	.	.
84	GRAHAMSVILLE	06JAN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
85	GRAHAMSVILLE	03FEB2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.015	-0.20	.	.	.	.	.	.	.
86	GRAHAMSVILLE	03FEB2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
87	GRAHAMSVILLE	17FEB2016	.	.	.	.	.	.	-3.0	.	.	.	.	.	.	.	.	.	.	.	.
88	GRAHAMSVILLE	02MAR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.017	-0.20	.	.	.	.	.	.	.
89	GRAHAMSVILLE	02MAR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
90	GRAHAMSVILLE	06APR2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.031	.	.	.	.	.	.	.	.
91	GRAHAMSVILLE	06APR2016	.	.	.	.	.	.	.	.	.	.	.	11.10	.	.	.	.	.	.	.
92	GRAHAMSVILLE	06APR2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
93	GRAHAMSVILLE	25APR2016	.	.	.	.	.	.	.	.	.	.	.	0.32	.	.	.	.	.	.	.
94	GRAHAMSVILLE	04MAY2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.023	-0.20	.	.	.	.	.	.	.
95	GRAHAMSVILLE	04MAY2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.
96	GRAHAMSVILLE	01JUN2016	.	.	.	.	.	.	-3.0	-1.0	.	.	0.035	-0.20	.	.	.	.	.	.	.
97	GRAHAMSVILLE	01JUN2016	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-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	
98	GRAHAMSVILLE	02FEB2016	.	11.2	7.01	.	0.15
99	GRAHAMSVILLE	23MAY2016	.	14.4	7.38	.	0.20
100	ROXBURY	06JAN2016	0.0090	4.3	7.75	12.7	0.25	.	-3.0	-1.0	-0.1	.	0.168	-0.20	.	.	2.00	.	-1	.	.	
101	ROXBURY	10FEB2016	0.0110	4.9	7.74	12.1	0.40	.	-3.0	-1.0	-0.1	.	0.145	-0.20	.	.	.	.	-1	.	.
102	ROXBURY	10FEB2016	4.60
103	ROXBURY	02MAR2016	0.0180	3.9	7.94	12.1	0.65	.	-3.0	-1.0	-0.1	.	0.137	-0.20	.	.	-0.04	.	-1	.	.	
104	ROXBURY	06APR2016	.	6.2	7.56	11.4	1.80	.	-3.0	-1.0	-0.1	.	0.065	-0.20	.	.	-0.04	.	-1	.	.	
105	ROXBURY	04MAY2016	0.0000	10.0	7.71	10.6	0.70	.	-3.0	-1.0	-0.1	.	0.077	-0.20	.	.	6.90	.	-1	.	.	
106	ROXBURY	01JUN2016	0.0110	15.6	7.62	9.1	0.30	.	-3.0	-1.0	-0.1	.	0.113	-0.20	.	.	-0.04	.	-1	.	.	
107	STAMFORD	06JAN2016	0.4080	9.1	6.60	10.9	0.20	.	4.1	-1.0	-0.1	.	0.008	-0.20	.	0.61	-0.04	.	10	.	.	
108	STAMFORD	10FEB2016	0.2510	8.2	6.55	10.9	0.10	.	4.3	-1.0	-0.1	.	0.008	0.24	.	.	.	.	-1	.	.
109	STAMFORD	29FEB2016	0.6490	.	.	.	.	.	.	.	.	.	.	.	.	2.20	.	.	.	.	.
110	STAMFORD	01MAR2016	.	6.0	6.32	.	0.10
111	STAMFORD	02MAR2016	0.3930	7.5	6.38	11.0	0.15	.	8.7	-1.0	-0.1	.	0.006	-0.20	.	0.33	-0.04	.	-1	.	.	
112	STAMFORD	06APR2016	0.2200	8.5	6.39	10.9	0.45	.	4.5	-1.0	-0.1	.	0.006	-0.20	.	0.68	-0.04	.	-1	.	.	
113	STAMFORD	04MAY2016	0.2740	11.4	6.55	9.7	0.25	.	3.0	-1.0	-0.1	.	0.009	0.40	.	0.40	-0.04	.	-1	.	.	
114	STAMFORD	01JUN2016	0.1550	15.7	6.46	9.1	2.50	.	3.6	-1.0	-0.1	.	0.078	0.71	.	1.40	-0.04	.	-1	.	.	
115	STAMFORD	27JUN2016	.	17.1	6.79	.	0.15
116	WALTON	13JAN2016	1.2330	13.4	7.33	9.8	0.20	.	-3.0	-1.0	-0.1	.	0.015	-0.20	.	1.30	-0.04	.	-1	.	.	
117	WALTON	17FEB2016	1.2810	12.0	7.34	10.4	0.30	.	6.8	1.3	-0.1	.	0.025	1.25	.	2.70	-0.04	.	-1	.	.	
118	WALTON	09MAR2016	1.0100	15.2	7.27	9.4	0.75	.	3.3	-1.0	-0.1	.	0.029	-0.20	.	1.60	0.05	.	-1	.	.	
119	WALTON	20APR2016	1.1210	15.7	7.43	9.4	0.75	.	3.6	-1.0	-0.1	.	0.032	-0.20	.	2.00	-0.04	.	-1	.	.	
120	WALTON	11MAY2016	.	17.2	7.46	9.3	0.85	.	-3.0	-1.0	-0.1	.	0.031	0.51	.	2.00	-0.04	.	-1	.	.	
121	WALTON	08JUN2016	1.3360	20.4	7.66	8.6	0.70	.	4.6	1.6	-0.1	.	0.073	2.71	.	4.70	-0.04	.	1	.	.	