

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

**WWTP Water Quality Sampling Monitoring Semiannual Report
(July 1 – December 31, 2014)**

February 2015

*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 July 1, 2014 through December 31, 2014.

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.

Mountainside Farms was under a DEC consent order; a full plant modification was completed in April, 2014. It is a permitted subsurface discharge and has no direct impact on the water supply.

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 2006 Long-term Watershed Protection Plan.

Table 1. DEP samples that contravened SPDES limits July - December 2014.

Catskill System:

Facility	Date	Parameter	Measurement	SPDES Limit
Ashland	10SEP14	pH	5.81	6.0 - 9.0
Camp Machne Tashbar	23JUL14	Temperature	22.1	21.1 °C (70°F)
Camp Machne Tashbar	06AUG14	Temperature	21.2	21.1 °C (70°F)
Camp Machne Tashbar	06AUG14	Dissolved Oxygen	6.7	7 mgL ⁻¹ , minimum
Camp Timberlake	09JUL14	Dissolved Oxygen	6.6	7 mgL ⁻¹ , minimum
Camp Timberlake	09JUL14	Temperature	21.8	21.1 °C (70°F)
Hunter Village	02JUL14	BOD	11	8 mgL ⁻¹

Delaware System:

<u>Facility</u>	<u>Date</u>	<u>Parameter</u>	<u>Measurement</u>	<u>SPDES Limit</u>
Andes	16JUL14	Dissolved Oxygen	5.1	7.0 mgL ⁻¹ , minimum
Camp L'man A'chai	02JUL14	Ammonia	4.91	1.40 mgL ⁻¹
Delhi	13AUG14	Sett.Solids	0.3	0.1 mgL ⁻¹
Delhi	13AUG14	Fecal Coliform	300	200 CFU
Fleischmanns	03SEP14	CBOD	>18.9	8 mgL ⁻¹
Mountainside	09JUL14	Phosphorus	3.32	0.8 mgL ⁻¹
Mountainside	06AUG14	Phosphorus	1.7	0.8 mgL ⁻¹
Mountainside	06NOV14	Phosphorus	1.62	0.8 mgL ⁻¹
Roxbury	16OCT14	Susp.Solids	23.5	11 mgL ⁻¹
Roxbury	04DEC14	Chlor.Res.-Effl.	2	0.1 mgL ⁻¹
WestDel BOCES	13AUG13	Temperature	21.2	21.1 °C (70°F)

Table 2. Comparison of effluent concentrations in DEP's samples with the limits of SPDES permits July - December 2014.

Catskill System:

Ashland WTP			
date	Parameter	SPDES Violation	SPDES Limit
15JUL14		no violations	
13AUG14		no violations	
10SEP14	pH	5.81	6.0 - 9.0
15OCT14		no violations	
12NOV14		no violations	
10DEC14		no violations	

Boiceville WWTP			
date	Parameter	SPDES Violation	SPDES Limit
10JUL14		no violations	
17JUL14		no violations	
09OCT14		no violations	
03DEC14		no violations	

Camp Machne Tashbar - seasonal facility			
date	Parameter	SPDES Violation	SPDES Limit
23JUL14		no violations	
23JUL14	Temp	22.1°C (71.8°F)	70°F
06AUG14	Temp	21.2°C (70.2°F)	70°F
06AUG14	Dissolved Oxygen	6.7	7.0 mgL ⁻¹ , min.

Camp Timberlake - seasonal facility			
date	Parameter	SPDES Violation	SPDES Limit
09JUL14	Dissolved Oxygen	6.6	7.0 mgL ⁻¹ , min.
09JUL14	Temp	21.8°C (71.2°F)	70°F

Elka Park (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
09JUL14		no violations	
13AUG14		no violations	
22OCT14		no violations	

Elka Park (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
19NOV14		no violations	

Grand Gorge (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
01JUL14		no violations	
02JUL14		no violations	
15JUL14		no violations	
16JUL14		no violations	
05AUG14		no violations	
06AUG14		no violations	
19AUG14		no violations	
20AUG14		no violations	
02SEP14		no violations	
03SEP14		no violations	
16SEP14		no violations	
17SEP14		no violations	
07OCT14		no violations	
08OCT14		no violations	
21OCT14		no violations	
22OCT14		no violations	

Grand Gorge (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05NOV14		no violations	
06NOV14		no violations	
18NOV14		no violations	
19NOV14		no violations	
02DEC14		no violations	
03DEC14		no violations	
16DEC14		no violations	
17DEC14		no violations	

Hunter Highlands (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
02JUL14		no violations	
10JUL14		no violations	
06AUG14		no violations	
03SEP14		no violations	
01OCT14		no violations	

Hunter Highlands (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
06NOV14		no violations	
02DEC14		no violations	

Hunter Village (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
02JUL14	BOD	11	8 mgL ⁻¹
10JUL14		no violations	
21JUL14		no violations	
06AUG14		no violations	
03SEP14		no violations	
01OCT14		no violations	
22OCT14		no violations	

Hunter Village (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
19NOV14		no violations	
02DEC14		no violations	

Olive Woods

date	Parameter	SPDES Violation	SPDES Limit
03SEP14		no violations	
06NOV14		no violations	
03DEC14		no violations	

Oorah Golden Acres - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
07AUG14		no violations	

Pine Hill (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
01JUL14		no violations	
02JUL14		no violations	
15JUL14		no violations	
16JUL14		no violations	
05AUG14		no violations	
06AUG14		no violations	
19AUG14		no violations	
20AUG14		no violations	
02SEP14		no violations	
03SEP14		no violations	
16SEP14		no violations	
17SEP14		no violations	
07OCT14		no violations	
08OCT14		no violations	
21OCT14		no violations	
22OCT14		no violations	

Pine Hill (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05NOV14		no violations	
06NOV14		no violations	
18NOV14		no violations	
19NOV14		no violations	
02DEC14		no violations	
03DEC14		no violations	
16DEC14		no violations	
17DEC14		no violations	

Prattsville WTP

date	Parameter	SPDES Violation	SPDES Limit
21JUL14		no violations	
23JUL14		no violations	
07AUG14		no violations	
17SEP14		no violations	
15OCT14		no violations	
22OCT14		no violations	
12NOV14		no violations	
10DEC14		no violations	

Tannersville (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
01JUL14		no violations	
02JUL14		no violations	
15JUL14		no violations	
16JUL14		no violations	
05AUG14		no violations	
06AUG14		no violations	
19AUG14		no violations	
20AUG14		no violations	
02SEP14		no violations	
03SEP14		no violations	
16SEP14		no violations	
17SEP14		no violations	
23SEP14		no violations	
07OCT14		no violations	
08OCT14		no violations	
21OCT14		no violations	
22OCT14		no violations	

Tannersville (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05NOV14		no violations	
06NOV14		no violations	
18NOV14		no violations	
19NOV14		no violations	
02DEC14		no violations	
03DEC14		no violations	
16DEC14		no violations	
17DEC14		no violations	

Windham (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
17JUL14		no violations	
06AUG14		no violations	
13AUG14		no violations	
10SEP14		no violations	
15OCT14		no violations	

Windham (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
12NOV14		no violations	
13NOV14		no violations	
10DEC14		no violations	

Delaware System:

Andes

date	Parameter	SPDES Violation	SPDES Limit
16JUL14	Dissolved Oxygen	5.1	7.0 mgL ⁻¹ , min.
13AUG14		no violations	
17SEP14		no violations	
23SEP14		no violations	
08OCT14		no violations	
30OCT14		no violations	
13NOV14		no violations	
10DEC14		no violations	
15DEC14		no violations	

Camp L'man A'chai - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
02JUL14	Ammonia	4.91	1.40 mgL ⁻¹
09JUL14		no violations	
06AUG14		no violations	

Delhi WWTP

date	Parameter	SPDES Violation	SPDES Limit
16JUL14		no violations	
13AUG14	Settleable Solids	0.3	0.1 mL ⁻¹
13AUG14	Fecal Coliform	300	200 CFU
27AUG14		no violations	
17SEP14		no violations	
08OCT14		no violations	
30OCT14		no violations	
13NOV14		no violations	
10DEC14		no violations	

Fleischmanns WWTP

date	Parameter	SPDES Violation	SPDES Limit
09JUL14		no violations	
06AUG14		no violations	
03SEP14	CBOD	>18.9	8 mgL ⁻¹
23SEP14		no violations	
01OCT14		no violations	
06NOV14		no violations	
19NOV14		no violations	
15DEC14		no violations	
17DEC14		no violations	

Grahamsville WWTP

date	Parameter	SPDES Violation	SPDES Limit
02JUL14		no violations	
06AUG14		no violations	
03SEP14		no violations	
01OCT14		no violations	
06NOV14		no violations	
03DEC14		no violations	

Hobart

date	Parameter	SPDES Violation	SPDES Limit
09JUL14		no violations	
06AUG14		no violations	
03SEP14		no violations	
01OCT14		no violations	
30OCT14		no violations	
06NOV14		no violations	
04DEC14		no violations	

Margaretville

date	Parameter	SPDES Violation	SPDES Limit
01JUL14		no violations	
02JUL14		no violations	
15JUL14		no violations	
16JUL14		no violations	
05AUG14		no violations	
06AUG14		no violations	
19AUG14		no violations	
20AUG14		no violations	
02SEP14		no violations	

Margaretville - continued

date	Parameter	SPDES Violation	SPDES Limit
03SEP14		no violations	
16SEP14		no violations	
17SEP14		no violations	
07OCT14		no violations	
08OCT14		no violations	
21OCT14		no violations	
22OCT14		no violations	
05NOV14		no violations	
06NOV14		no violations	
18NOV14		no violations	
19NOV14		no violations	
02DEC14		no violations	
03DEC14		no violations	
16DEC14		no violations	
17DEC14		no violations	

Margaretville--% removals

date	Parameter	SPDES Violation	SPDES Limit
01JUL14		% removals okay	
15JUL14		% removals okay	
05AUG14		% removals okay	
19AUG14		% removals okay	
02SEP14		% removals okay	
16SEP14		% removals okay	
07OCT14		% removals okay	
21OCT14		% removals okay	
05NOV14		% removals okay	
18NOV14		% removals okay	
02DEC14		% removals okay	
16DEC14		% removals okay	

Mountainside Farms - Delaware County Dairies

date	Parameter	SPDES Violation	SPDES Limit
09JUL14	Phosphorus	3.32	0.8 mgL ⁻¹
06AUG14	Phosphorus	1.7	0.8 mgL ⁻¹
03SEP14		no violations	
01OCT14		no violations	
06NOV14	Phosphorus	1.62	0.8 mgL ⁻¹
19NOV14		no violations	
04DEC14		no violations	

Roxbury Run

date	Parameter	SPDES Violation	SPDES Limit
09JUL14		no violations	
06AUG14		no violations	
17SEP14		no violations	
16OCT14	Suspended Solids	23.5	11 mgL ⁻¹
06NOV14		no violations	
04DEC14	Chlor.Res.-Effl.	2	0.1 mgL ⁻¹

Stamford WWTP

date	Parameter	SPDES Violation	SPDES Limit
09JUL14		no violations	
06AUG14		no violations	
03SEP14		no violations	
29SEP14		no violations	
01OCT14		no violations	
16OCT14		no violations	
06NOV14		no violations	
17DEC14		no violations	

Walton WWTP

date	Parameter	SPDES Violation	SPDES Limit
16JUL14		no violations	
13AUG14		no violations	
17SEP14		no violations	
08OCT14		no violations	
30OCT14		no violations	
13NOV14		no violations	
10DEC14		no violations	

Delaware County BOCES

date	Parameter	SPDES Violation	SPDES Limit
16JUL14		no violations	
13AUG14	Temp	21.2°C (70.2°F)	70°F
17SEP14		no violations	
08OCT14		no violations	
13NOV14		no violations	
10DEC14		no violations	

Catskill System

Table 3. Raw Data for CAT/DEL WWTP effluent samples collected July - December 2014.

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	15JUL2014	.	16.1	6.92	8.7	0.10	-3.0	.	-1.0	-0.1	.	.	-0.20	.	.	-0.04	.	-1	.	.
2	ASHLAND WTP	15JUL2014	.	.	.	.	.	.	.	.	.	0.369	.	.	.	.	.	.	.	.	.
3	ASHLAND WTP	13AUG2014	.	17.7	6.81	8.5	0.10	-3.0	.	-1.0	-0.1	.	.	-0.20	.	.	-0.04	.	-1	.	.
4	ASHLAND WTP	13AUG2014	.	.	.	.	.	.	.	.	.	0.337	.	.	.	.	.	.	.	.	.
5	ASHLAND WTP	10SEP2014	.	15.8	5.81	8.5	-0.10	-3.0	.	-1.0	-0.1	0.027	0.75	.	.	.	-0.04	.	-1	.	.
6	ASHLAND WTP	15OCT2014	.	12.7	6.75	9.8	-0.10	-3.0	.	-1.0	-0.1	0.053	-0.20	.	.	.	-0.04	.	-1	.	.
7	ASHLAND WTP	12NOV2014	.	12.2	6.71	11.1	-0.10	-3.0	.	-1.1	-0.1	0.061	0.26	.	.	.	-0.04	.	-1	.	.
8	ASHLAND WTP	10DEC2014	.	11.1	6.74	9.5	-0.10	-3.0	.	-2.5	-0.1	0.061	0.57	.	.	.	-0.04	.	-1	.	.
9	BOICEVILLE WTP	10JUL2014	.	22.2	8.29	9.1	0.20	.	-3.0	-1.0	-0.1	0.101	-0.20	.	.	.	-0.04	.	-1	.	.
10	BOICEVILLE WTP	17JUL2014	.	.	.	.	.	.	-3.0	-1.1	.	0.060	-0.20	.	.	.	-0.04	.	.	.	.
11	BOICEVILLE WTP	17JUL2014	.	20.6	7.96	9.2	0.10	.	-3.0	-2.0	-0.1	0.058	-0.20	.	.	.	-0.04	.	-1	.	.
12	BOICEVILLE WTP	09OCT2014	.	19.6	8.18	9.1	0.20	.	-3.0	-1.1	-0.1	0.023	-0.20	.	.	.	-0.04	.	-1	.	.
13	BOICEVILLE WTP	03DEC2014	.	14.1	7.40	11.7	0.10	.	-3.0	-1.1	-0.1	0.028	0.76	.	.	.	-0.04	.	-1	.	.
14	CAMP MACHNE TASHBAR	23JUL2014	.	22.1	7.17	7.6	0.15	.	-3.0	-1.0	-0.1	0.011	-0.20	.	.	.	-0.04	.	-1	.	.
15	CAMP MACHNE TASHBAR	06AUG2014	.	21.2	6.83	6.7	0.10	.	6.2	-1.0	-0.1	0.006	-0.20	.	.	.	-0.04	.	-1	.	.
16	CAMP TIMBERLAKE	09JUL2014	.	21.8	7.16	6.6	0.10	.	-3.0	-1.0	-0.1	.	-0.20	.	.	.	-0.04	.	-1	.	.
17	CAMP TIMBERLAKE	09JUL2014	.	.	.	.	.	.	.	.	.	0.279	.	.	.	.	.	.	.	.	.
18	ELKA PARK	09JUL2014	.	18.5	7.44	8.5	0.10	.	-3.0	-1.0	-0.1	0.150	0.20	.	.	.	-0.04	.	-1	.	.
19	ELKA PARK	13AUG2014	.	18.2	7.43	8.5	0.20	.	-3.0	-1.0	-0.1	0.194	-0.20	.	.	.	-0.04	.	-1	.	.
20	ELKA PARK	22OCT2014	.	13.2	7.44	9.8	-0.10	.	-3.0	-1.1	-0.1	0.157	-0.20	.	.	.	-0.04	.	-1	.	.
21	ELKA PARK	19NOV2014	.	8.2	7.61	10.7	-0.10	.	-3.0	-1.1	-0.1	0.143	-0.20	.	.	.	-0.04	.	-1	.	.
22	PINE HILL	01JUL2014	.	.	.	.	.	-3.0	.	-1.1	.	0.014	-0.20	.	.	.	.	.	.	.	.
23	PINE HILL	15JUL2014	.	.	.	.	.	-3.0	.	-1.0	.	0.013	-0.20	.	.	.	.	.	.	.	.
24	PINE HILL	05AUG2014	.	.	.	.	.	-3.0	.	-1.0	.	0.020	-0.20	.	.	.	.	.	.	.	.
25	PINE HILL	19AUG2014	.	.	.	.	.	-3.0	.	-1.1	.	0.021	-0.20	.	.	.	.	.	.	.	.
26	PINE HILL	02SEP2014	.	.	.	.	.	-3.0	.	-1.1	.	0.022	-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	
27	PINE HILL	16SEP2014	.	.	.	.	.	-3.0	.	-1.1	.	.	0.019	-0.20	.	.	.	.	.	.	.	.
28	PINE HILL	07OCT2014	.	.	.	.	.	-3.0	.	-1.1	.	.	0.035	-0.20	.	.	.	.	.	.	.	.
29	PINE HILL	21OCT2014	.	.	.	.	.	-3.0	.	-1.1	.	.	0.022	-0.20	.	.	.	.	.	.	.	.
30	PINE HILL	05NOV2014	.	.	.	.	.	-3.0	.	-1.1	.	.	0.013	-0.20	.	.	.	.	.	.	.	.
31	PINE HILL	18NOV2014	.	.	.	.	.	-3.0	.	-2.5	.	.	0.010	-0.20	.	.	.	.	.	.	.	.
32	PINE HILL	02DEC2014	.	.	.	.	.	-3.0	.	-1.1	.	.	0.007	-0.20	.	.	.	.	.	.	.	.
33	PINE HILL	16DEC2014	.	.	.	.	.	-3.0	.	-2.5	.	.	0.006	-0.20	.	.	.	.	.	.	.	.
34	PINE HILL	02JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
35	PINE HILL	16JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
36	PINE HILL	06AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
37	PINE HILL	20AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
38	PINE HILL	03SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
39	PINE HILL	17SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
40	PINE HILL	08OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
41	PINE HILL	22OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
42	PINE HILL	06NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
43	PINE HILL	19NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
44	PINE HILL	03DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
45	PINE HILL	17DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
46	PINE HILL	01JUL2014	.	.	.	.	.	127.0	.	173.0	.	.	.	.	.	.	.	.	.	.	.	.
47	PINE HILL	15JUL2014	.	.	.	.	.	57.6	.	133.0	.	.	.	.	.	.	.	.	.	.	.	.
48	PINE HILL	05AUG2014	.	.	.	.	.	126.0	.	419.0	.	.	.	.	.	.	.	.	.	.	.	.
49	PINE HILL	19AUG2014	.	.	.	.	.	148.0	.	182.0	.	.	.	.	.	.	.	.	.	.	.	.
50	PINE HILL	02SEP2014	.	.	.	.	.	159.0	.	259.0	.	.	.	.	.	.	.	.	.	.	.	.
51	PINE HILL	16SEP2014	.	.	.	.	.	127.0	.	14.4	.	.	.	.	.	.	.	.	.	.	.	.
52	PINE HILL	07OCT2014	.	.	.	.	.	188.0	.	246.0	.	.	.	.	.	.	.	.	.	.	.	.
53	PINE HILL	21OCT2014	.	.	.	.	.	113.0	.	283.0	.	.	.	.	.	.	.	.	.	.	.	.
54	PINE HILL	05NOV2014	.	.	.	.	.	51.0	.	74.0	.	.	.	.	.	.	.	.	.	.	.	.
55	PINE HILL	18NOV2014	.	.	.	.	.	64.0	.	78.0	.	.	.	.	.	.	.	.	.	.	.	.

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	
56	PINE HILL	02DEC2014	152.0	.	343.0
57	PINE HILL	16DEC2014	57.3	.	156.0
58	GOLDEN ACRES	07AUG2014	.	17.7	7.66	8.9	0.10	.	-3.0	-2.0	-0.1	.	.	-0.20	.	.	0.04	.	-1	.	.	
59	GOLDEN ACRES	07AUG2014	0.508
60	HUNTER HIGHLANDS	02JUL2014	.	22.4	7.30	7.7	0.30	.	-3.0	-1.0	-0.1	.	0.042	-0.20	.	.	-0.04	.	-1	.	.	
61	HUNTER HIGHLANDS	10JUL2014	.	21.9	6.95	7.5	0.15	.	-3.0	-1.0	-0.1	.	0.028	-0.20	.	.	-0.04	.	-1	.	.	
62	HUNTER HIGHLANDS	10JUL2014	3.3	-1.0	.	.	0.029	-0.20	.	.	-0.04
63	HUNTER HIGHLANDS	06AUG2014	.	21.5	6.84	8.2	0.20	.	-3.0	-1.0	-0.1	.	0.060	-0.20	.	.	-0.04	.	-1	.	.	
64	HUNTER HIGHLANDS	03SEP2014	.	22.7	7.40	7.6	0.45	.	-3.0	-1.0	-0.1	.	0.039	0.23	.	.	-0.04	.	30	.	.	
65	HUNTER HIGHLANDS	01OCT2014	.	16.7	6.86	8.8	-0.10	.	-3.0	-1.0	-0.1	.	0.013	-0.20	.	.	-0.04	.	-1	.	.	
66	HUNTER HIGHLANDS	06NOV2014	.	9.9	6.63	10.5	0.10	.	-3.0	-1.0	-0.1	.	0.009	-0.20	.	.	0.04	.	-1	.	.	
67	HUNTER HIGHLANDS	02DEC2014	.	7.3	6.62	11.4	0.35	.	-3.0	-1.0	-0.1	.	0.007	-0.20	.	.	-0.04	.	-1	.	.	
68	HUNTER HIGHLANDS	06AUG2014	.	21.3	6.96	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
69	HUNTER HIGHLANDS	13NOV2014	.	.	.	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.
70	HUNTER WTP	02JUL2014	.	20.9	6.68	8.1	0.30	11.0	.	-1.0	-0.1	.	0.040	-0.20	.	.	-0.04	.	-1	.	.	
71	HUNTER WTP	10JUL2014	.	20.0	6.40	8.5	0.10	4.1	.	-2.0	-0.1	.	0.012	-0.20	.	.	-0.04	.	-1	.	.	
72	HUNTER WTP	10JUL2014	.	.	.	.	.	4.8	.	-1.0	.	.	0.012	-0.20	.	.	-0.04	.	.	.	.
73	HUNTER WTP	21JUL2014	.	20.0	6.45	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
74	HUNTER WTP	06AUG2014	.	21.7	6.80	8.4	0.25	3.9	.	-1.0	-0.1	.	0.036	-0.20	.	.	-0.04	.	-1	.	.	
75	HUNTER WTP	03SEP2014	.	20.8	6.86	8.2	0.10	-3.0	.	-2.0	-0.1	.	0.021	-0.20	.	.	-0.04	.	-1	.	.	
76	HUNTER WTP	01OCT2014	.	18.0	6.90	8.5	0.10	3.1	.	-1.0	-0.1	.	0.013	-0.20	.	.	-0.04	.	-1	.	.	
77	HUNTER WTP	22OCT2014	.	.	.	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.
78	HUNTER WTP	19NOV2014	.	8.1	6.80	11.1	0.20	6.2	.	-2.2	-0.1	.	0.015	-0.20	.	.	-0.04	.	-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
79	HUNTER WTP	02DEC2014	.	8.4	6.92	10.7	0.20	3.4	.	-1.0	-0.1	.	0.013	-0.20	.	.	-0.04	.	-1	.	.
80	MARGARETVILLE	01JUL2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.067	-0.20	.	.	.	.	.	.	.
81	MARGARETVILLE	02JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
82	MARGARETVILLE	15JUL2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.101	-0.20	.	.	.	.	.	.	.
83	MARGARETVILLE	16JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
84	MARGARETVILLE	05AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.101	-0.20	.	.	.	.	.	.	.
85	MARGARETVILLE	06AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
86	MARGARETVILLE	19AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.080	-0.20	.	.	.	.	.	.	.
87	MARGARETVILLE	20AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
88	MARGARETVILLE	02SEP2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.063	-0.20	.	.	.	.	.	.	.
89	MARGARETVILLE	03SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
90	MARGARETVILLE	16SEP2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.067	-0.20	.	.	.	.	.	.	.
91	MARGARETVILLE	17SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
92	MARGARETVILLE	07OCT2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.057	-0.20	.	.	.	.	.	.	.
93	MARGARETVILLE	08OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
94	MARGARETVILLE	21OCT2014	.	.	.	.	.	.	-3.0	-1.2	.	.	0.077	-0.20	.	.	.	.	.	.	.
95	MARGARETVILLE	22OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
96	MARGARETVILLE	05NOV2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.045	-0.20	.	.	.	.	.	.	.
97	MARGARETVILLE	06NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
98	MARGARETVILLE	18NOV2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.036	-0.20	.	.	.	.	.	.	.
99	MARGARETVILLE	19NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
100	MARGARETVILLE	02DEC2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.035	-0.20	.	.	.	.	.	.	.
101	MARGARETVILLE	03DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
102	MARGARETVILLE	16DEC2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.029	-0.20	.	.	.	.	.	.	.
103	MARGARETVILLE	17DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
104	MARGARETVILLE	01JUL2014	.	.	.	.	.	.	120.0	212.0	.	.	.	.	.	.	.	.	.	.	.
105	MARGARETVILLE	15JUL2014	.	.	.	.	.	.	181.0	634.0	.	.	.	.	.	.	.	.	.	.	.
106	MARGARETVILLE	05AUG2014	.	.	.	.	.	.	216.0	430.0	.	.	.	.	.	.	.	.	.	.	.
107	MARGARETVILLE	19AUG2014	.	.	.	.	.	.	173.0	204.0	.	.	.	.	.	.	.	.	.	.	.

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	
108	MARGARETVILLE	02SEP2014	.	.	.	.	.	.	132.0	347.0	.	.	.	.	.	.	.	.	.	.	.	.
109	MARGARETVILLE	16SEP2014	.	.	.	.	.	.	149.0	20.9	.	.	.	.	.	.	.	.	.	.	.	.
110	MARGARETVILLE	07OCT2014	.	.	.	.	.	.	228.0	203.0	.	.	.	.	.	.	.	.	.	.	.	.
111	MARGARETVILLE	21OCT2014	.	.	.	.	.	.	152.0	540.0	.	.	.	.	.	.	.	.	.	.	.	.
112	MARGARETVILLE	05NOV2014	.	.	.	.	.	.	108.0	428.0	.	.	.	.	.	.	.	.	.	.	.	.
113	MARGARETVILLE	18NOV2014	.	.	.	.	.	.	209.0	232.0	.	.	.	.	.	.	.	.	.	.	.	.
114	MARGARETVILLE	02DEC2014	.	.	.	.	.	.	91.5	142.0	.	.	.	.	.	.	.	.	.	.	.	.
115	MARGARETVILLE	16DEC2014	.	.	.	.	.	.	169.0	185.0	.	.	.	.	.	.	.	.	.	.	.	.
116	PRATTSVILLE WTP	21JUL2014	.	18.5	7.27	.	0.50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
117	PRATTSVILLE WTP	23JUL2014	.	19.2	7.51	7.9	0.15	.	-3.0	-1.0	-0.1	.	0.061	.	.	1.10	0.05	.	-1	.	.	
118	PRATTSVILLE WTP	07AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.065	.	.	1.00	-0.04	.	.	.	.
119	PRATTSVILLE WTP	07AUG2014	.	19.1	7.44	7.9	0.15	.	-3.0	-1.0	-0.1	.	0.051	.	.	1.00	0.04	.	-1	.	.	
120	PRATTSVILLE WTP	17SEP2014	.	18.8	7.53	8.7	0.10	.	-3.0	-2.0	-0.1	.	0.064	.	.	0.98	-0.04	.	-1	.	.	
121	PRATTSVILLE WTP	15OCT2014	.	18.9	7.43	8.2	0.10	.	-3.0	-1.1	-0.1	.	0.068	.	.	0.89	0.05	.	-1	.	.	
122	PRATTSVILLE WTP	22OCT2014	.	.	.	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
123	PRATTSVILLE WTP	12NOV2014	.	16.1	7.53	9.0	0.10	.	-3.0	-1.1	-0.1	.	0.066	.	.	0.66	-0.04	.	-1	.	.	
124	PRATTSVILLE WTP	10DEC2014	.	13.6	7.54	8.8	0.10	.	-3.0	-1.0	-0.1	.	0.045	.	.	0.42	-0.04	.	-1	.	.	
125	GRAND GORGE	01JUL2014	.	.	.	.	.	.	-3.0	-2.4	.	.	0.057	-0.20	.	.	.	.	.	.	.	.
126	GRAND GORGE	15JUL2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.041	-0.20	.	.	.	.	.	.	.	.
127	GRAND GORGE	05AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.020	-0.20	.	.	.	.	.	.	.	.
128	GRAND GORGE	19AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.026	-0.20	.	.	.	.	.	.	.	.
129	GRAND GORGE	02SEP2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.035	-0.20	.	.	.	.	.	.	.	.
130	GRAND GORGE	16SEP2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.017	-0.20	.	.	.	.	.	.	.	.
131	GRAND GORGE	07OCT2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.016	-0.20	.	.	.	.	.	.	.	.
132	GRAND GORGE	21OCT2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.027	-0.20	.	.	.	.	.	.	.	.
133	GRAND GORGE	05NOV2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.015	-0.20	.	.	.	.	.	.	.	.
134	GRAND GORGE	18NOV2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.016	-0.20	.	.	.	.	.	.	.	.
135	GRAND GORGE	02DEC2014	-3.0	-1.4	.	.	0.027	-0.20
136	GRAND GORGE	16DEC2014	-3.0	-2.4	.	.	0.012	-0.20

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Catskill System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
137	GRAND GORGE	02JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
138	GRAND GORGE	16JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
139	GRAND GORGE	06AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
140	GRAND GORGE	20AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
141	GRAND GORGE	03SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
142	GRAND GORGE	17SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
143	GRAND GORGE	08OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
144	GRAND GORGE	22OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
145	GRAND GORGE	06NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
146	GRAND GORGE	19NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
147	GRAND GORGE	03DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
148	GRAND GORGE	17DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
149	GRAND GORGE	01JUL2014	.	.	.	.	.	.	49.8	61.5	.	.	.	.	.	.	.	.	.	.	.	.
150	GRAND GORGE	15JUL2014	.	.	.	.	.	.	52.0	290.0	.	.	.	.	.	.	.	.	.	.	.	.
151	GRAND GORGE	05AUG2014	.	.	.	.	.	.	110.0	64.8	.	.	.	.	.	.	.	.	.	.	.	.
152	GRAND GORGE	19AUG2014	.	.	.	.	.	.	109.0	42.6	.	.	.	.	.	.	.	.	.	.	.	.
153	GRAND GORGE	02SEP2014	.	.	.	.	.	.	81.8	100.0	.	.	.	.	.	.	.	.	.	.	.	.
154	GRAND GORGE	16SEP2014	.	.	.	.	.	.	98.2	67.0	.	.	.	.	.	.	.	.	.	.	.	.
155	GRAND GORGE	07OCT2014	.	.	.	.	.	.	122.0	94.0	.	.	.	.	.	.	.	.	.	.	.	.
156	GRAND GORGE	21OCT2014	.	.	.	.	.	.	89.6	140.0	.	.	.	.	.	.	.	.	.	.	.	.
157	GRAND GORGE	05NOV2014	.	.	.	.	.	.	87.2	158.0	.	.	.	.	.	.	.	.	.	.	.	.
158	GRAND GORGE	18NOV2014	.	.	.	.	.	.	60.9	108.0	.	.	.	.	.	.	.	.	.	.	.	.
159	GRAND GORGE	02DEC2014	.	.	.	.	.	.	61.6	78.9	.	.	.	.	.	.	.	.	.	.	.	.
160	GRAND GORGE	16DEC2014	.	.	.	.	.	.	85.0	51.0	.	.	.	.	.	.	.	.	.	.	.	.
161	TANNERSVILLE	01JUL2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.014	-0.20	.	.	.	.	.	.	.	.
162	TANNERSVILLE	15JUL2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.026	-0.20	.	.	.	.	.	.	.	.
163	TANNERSVILLE	05AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.034	-0.20	.	.	.	.	.	.	.	.
164	TANNERSVILLE	19AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.068	-0.20	.	.	.	.	.	.	.	.
165	TANNERSVILLE	02SEP2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.006	-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	
166	TANNERSVILLE	16SEP2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.009	.	.	.	.	.	.	.	.	.
167	TANNERSVILLE	23SEP2014	.	.	.	.	.	.	.	.	.	.	.	-0.20	.	.	.	.	.	.	.	.
168	TANNERSVILLE	07OCT2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.009	-0.20	.	.	.	.	.	.	.	.
169	TANNERSVILLE	21OCT2014	.	.	.	.	.	.	-3.0	-1.2	.	.	0.011	-0.20	.	.	.	.	.	.	.	.
170	TANNERSVILLE	05NOV2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.016	-0.20	.	.	.	.	.	.	.	.
171	TANNERSVILLE	18NOV2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.011	-0.20	.	.	.	.	.	.	.	.
172	TANNERSVILLE	02DEC2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.006	-0.20	.	.	.	.	.	.	.	.
173	TANNERSVILLE	16DEC2014	.	.	.	.	.	.	-3.0	-1.2	.	.	0.006	-0.20	.	.	.	.	.	.	.	.
174	TANNERSVILLE	02JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
175	TANNERSVILLE	16JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
176	TANNERSVILLE	06AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
177	TANNERSVILLE	20AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
178	TANNERSVILLE	03SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
179	TANNERSVILLE	17SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
180	TANNERSVILLE	08OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
181	TANNERSVILLE	22OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
182	TANNERSVILLE	06NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
183	TANNERSVILLE	19NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
184	TANNERSVILLE	03DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
185	TANNERSVILLE	17DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
186	TANNERSVILLE	01JUL2014	.	.	.	.	.	.	125.0	200.0	.	.	.	.	.	.	.	.	.	.	.	.
187	TANNERSVILLE	15JUL2014	.	.	.	.	.	.	145.0	141.0	.	.	.	.	.	.	.	.	.	.	.	.
188	TANNERSVILLE	05AUG2014	.	.	.	.	.	.	190.0	206.0	.	.	.	.	.	.	.	.	.	.	.	.
189	TANNERSVILLE	19AUG2014	.	.	.	.	.	.	237.0	147.0	.	.	.	.	.	.	.	.	.	.	.	.
190	TANNERSVILLE	02SEP2014	.	.	.	.	.	.	304.0	620.0	.	.	.	.	.	.	.	.	.	.	.	.
191	TANNERSVILLE	16SEP2014	.	.	.	.	.	.	152.0	156.0	.	.	.	.	.	.	.	.	.	.	.	.
192	TANNERSVILLE	07OCT2014	.	.	.	.	.	.	157.0	160.0	.	.	.	.	.	.	.	.	.	.	.	.
193	TANNERSVILLE	21OCT2014	.	.	.	.	.	.	136.0	470.0	.	.	.	.	.	.	.	.	.	.	.	.
194	TANNERSVILLE	05NOV2014	.	.	.	.	.	.	95.6	126.0	.	.	.	.	.	.	.	.	.	.	.	.

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	
195	TANNERSVILLE	18NOV2014	.	.	.	.	.	.	63.0	164.0	.	.	.	.	.	.	.	.	.	.	.	.
196	TANNERSVILLE	02DEC2014	.	.	.	.	.	.	58.3	55.6	.	.	.	.	.	.	.	.	.	.	.	.
197	TANNERSVILLE	16DEC2014	.	.	.	.	.	.	78.4	69.0	.	.	.	.	.	.	.	.	.	.	.	.
198	WINDHAM WTP	17JUL2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.038	-0.20	.	0.78	-0.04	.	.	.	.	.
199	WINDHAM WTP	17JUL2014	.	18.0	6.91	9.2	-0.10	.	-3.0	-1.0	-0.1	.	0.036	-0.20	.	0.66	-0.04	.	-1	.	.	.
200	WINDHAM WTP	06AUG2014	.	18.9	6.63	.	0.15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
201	WINDHAM WTP	13AUG2014	.	18.8	7.06	8.8	0.15	.	-3.0	-1.0	-0.1	.	0.025	-0.20	.	0.57	-0.04	.	-1	.	.	.
202	WINDHAM WTP	10SEP2014	.	19.0	6.71	9.0	0.45	.	4.2	-1.0	-0.1	.	0.005	0.56	.	0.60	-0.04	.	-1	.	.	.
203	WINDHAM WTP	15OCT2014	.	16.7	6.79	9.2	0.15	.	-3.0	-1.0	-0.1	.	0.015	0.33	.	0.81	0.05	.	-1	.	.	.
204	WINDHAM WTP	12NOV2014	.	12.0	7.07	10.9	0.25	-3.0	.	-1.1	-0.1	.	0.009	.	.	.	-0.04	.	-1	.	.	.
205	WINDHAM WTP	13NOV2014	.	.	.	.	0.20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
206	WINDHAM WTP	10DEC2014	.	6.9	6.74	11.3	0.20	-3.0	.	-1.1	-0.1	.	0.005	.	.	.	-0.04	.	-1	.	.	.
207	OLIVE WOODS	03SEP2014	.	19.4	8.20	8.8	0.15	.	-3.0	-1.1	-0.1	.	.	-0.20	.	.	-0.04	.	-1	.	.	.
208	OLIVE WOODS	03SEP2014	.	.	.	.	.	.	.	.	.	.	0.414	.	.	.	.	.	.	.	.	.
209	OLIVE WOODS	06NOV2014	.	12.9	8.07	9.7	0.10	.	-3.0	-1.1	-0.1	.	0.181	-0.20	.	.	-0.04	.	-1	.	.	.
210	OLIVE WOODS	03DEC2014	.	11.6	7.65	10.8	-0.10	.	-3.0	-1.0	-0.1	.	0.151	-0.20	.	.	-0.04	.	-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	WEST DELAWARE BOCES	16JUL2014	0.0040	19.3	7.91	7.1	0.85	.	-3.0	-1.0	-0.1	670	0.151	0.21	.	.	-0.04	.	-1		.	
2	WEST DELAWARE BOCES	13AUG2014	0.0030	21.2	.	.	0.60	.	-3.0	-1.0	-0.1	580	0.194	-0.20	.	.	-0.04	.	-1		.	
3	WEST DELAWARE BOCES	13AUG2014	.	17.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4	WEST DELAWARE BOCES	13AUG2014	.	20.3	7.74	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	WEST DELAWARE BOCES	17SEP2014	0.0020	17.8	7.71	6.2	0.75	.	-3.0	-1.0	-0.1	930	0.072	-0.20	.	.	-0.04	.	-1		.	
6	WEST DELAWARE BOCES	08OCT2014	0.0050	18.4	7.90	6.8	0.65	.	-3.0	-1.1	-0.1	990	0.156	-0.20	.	.	-0.04	.	-1		.	
7	WEST DELAWARE BOCES	13NOV2014	0.0020	16.6	7.96	7.6	0.40	.	-3.0	-1.1	-0.1	980	0.097	-0.20	.	.	-0.04	.	-1		.	
8	WEST DELAWARE BOCES	10DEC2014	0.0040	17.8	7.66	7.4	0.30	.	-3.0	-1.1	-0.1	780	0.081	-0.20	.	.	-0.04	.	-1		.	
9	MOUNTAINSID E FARMS	09JUL2014	0.0330	29.7	7.71	6.0	0.20	-3	.	-2.2	.	.	.	.	.	.	.	53.5	.	.	.	0.083
10	MOUNTAINSID E FARMS	09JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	MOUNTAINSID E FARMS	09JUL2014	.	.	.	.	.	.	.	.	.	.	3.320	.	.	.	.	.	.	.	.	.
12	MOUNTAINSID E FARMS	06AUG2014	0.0480	29.1	7.69	6.2	0.10	-3	.	-1.0	.	.	1.700	.	.	.	.	206.0	.	.	.	0.070
13	MOUNTAINSID E FARMS	06AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	MOUNTAINSID E FARMS	03SEP2014	0.0380	26.4	.	6.9	0.35	-3	.	-1.0	.	.	.	.	.	.	.	193.0	.	.	.	0.081
15	MOUNTAINSID E FARMS	03SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16	MOUNTAINSID	03SEP2014	.	.	.	.	.	.	.	.	.	.	0.572	.	.	.	.	.	.	.	.	.

Delaware System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
	E FARMS																					
17	MOUNTAINSID E FARMS	01OCT2014	0.0410	25.8	7.77	6.9	0.30	-3	.	-1.0	.	.	0.107	.	.	.	.	225.0	.			0.072
18	MOUNTAINSID E FARMS	01OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		.
19	MOUNTAINSID E FARMS	06NOV2014	0.0400	21.6	7.54	10.4	0.25	-3	.	-1.1	.	.	.	.	.	.	.	279.0	.			-0.050
20	MOUNTAINSID E FARMS	06NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		.
21	MOUNTAINSID E FARMS	06NOV2014	.	.	.	.	.	.	.	.	.	.	1.620	.	.	.	.	.	.	.		.
22	MOUNTAINSID E FARMS	19NOV2014	0.0100	.	.	.	0.35	-3	.	-1.1	.	.	0.196	.	.	.	.	312.0	.			-0.050
23	MOUNTAINSID E FARMS	19NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		.
24	MOUNTAINSID E FARMS	04DEC2014	.	18.6	7.61	7.1	0.10	-3	.	-1.0	.	.	.	.	.	.	.	243.0	.			-0.050
25	MOUNTAINSID E FARMS	04DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		.
26	MOUNTAINSID E FARMS	04DEC2014	.	.	.	.	.	.	.	.	.	.	0.241	.	.	.	.	.	.	.		.
27	DELHI	16JUL2014	0.6030	25.3	7.84	4.4	0.75	.	4.7	1.1	0.1	.	0.037	-0.20	.	.	-0.04	.	-1			.
28	DELHI	13AUG2014	0.6120	24.5	.	.	5.00	.	4.7	7.1	0.3	.	0.073	-0.20	.	.	-0.04	.	300			.
29	DELHI	13AUG2014	.	16.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		.
30	DELHI	13AUG2014	.	20.1	8.06	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		.
31	DELHI	27AUG2014	0.5780	24.9	7.97	8.1	0.35	.	4.0	-1.1	0.1	.	0.021	-0.20	.	.	-0.04	.	-1			.
32	DELHI	17SEP2014	0.6730	22.5	7.66	8.0	2.30	.	-3.0	-1.0	-0.1	.	0.014	-0.20	.	.	-0.04	.	-1			.
33	DELHI	08OCT2014	0.1560	20.9	7.37	7.9	0.95	.	5.2	2.2	-0.1	.	0.017	-0.20	.	.	-0.04	.	-1			.
34	DELHI	30OCT2014	0.7030	.	.	.	0.25	.	-3.0	-1.0	-0.1	.	0.016	-0.20	.	.	-0.04	.	.			.
35	DELHI	13NOV2014	0.6750	18.8	7.60	7.7	1.60	.	3.2	2.8	-0.1	.	0.032	-0.20	.	.	-0.04	.	-1			.
36	DELHI	10DEC2014	0.6530	14.0	7.59	10.0	0.65	.	4.4	-1.1	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1			.
37	HOBART	09JUL2014	0.0730	20.5	7.10	5.1	-	.	-3.0	-1.0	-0.1	.	0.029	-0.20	.	.	-0.04	.	-1			.
							0.10															
38	HOBART	06AUG2014	0.0770	20.9	7.22	6.4	0.15	.	-3.0	-1.0	-0.1	.	0.037	-0.20	.	.	-0.04	.	-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
39	HOBART	03SEP2014	0.0710	19.9	6.99	5.7	0.10	.	-3.0	-1.0	-0.1	.	0.015	-0.20	.	.	-0.04	.	-1		.
40	HOBART	01OCT2014	0.0640	18.4	7.02	6.7	0.10	.	-3.0	-1.0	-0.1	.	0.013	4.04	.	.	-0.04	.	-1		.
41	HOBART	30OCT2014	0.0820	.	.	.	0.35	.	-3.0	-1.0	-0.1	.	0.011	-0.20	.	.	-0.04	.	.		.
42	HOBART	06NOV2014	0.0720	15.4	6.83	6.8	0.25	.	-3.0	-1.1	-0.1	.	0.009	-0.20	.	.	-0.04	.	-1		.
43	HOBART	04DEC2014	0.0700	13.2	6.78	6.7	0.45	.	-3.0	-1.0	-0.1	.	0.009	-0.20	.	.	-0.04	.	-1		.
44	MARGARETVIL LE	01JUL2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.067	-0.20	.	.	.	.	.		.
45	MARGARETVIL LE	02JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
46	MARGARETVIL LE	15JUL2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.101	-0.20	.	.	.	.	.		.
47	MARGARETVIL LE	16JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
48	MARGARETVIL LE	05AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.101	-0.20	.	.	.	.	.		.
49	MARGARETVIL LE	06AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
50	MARGARETVIL LE	19AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.080	-0.20	.	.	.	.	.		.
51	MARGARETVIL LE	20AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
52	MARGARETVIL LE	02SEP2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.063	-0.20	.	.	.	.	.		.
53	MARGARETVIL LE	03SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
54	MARGARETVIL LE	16SEP2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.067	-0.20	.	.	.	.	.		.
55	MARGARETVIL LE	17SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
56	MARGARETVIL LE	07OCT2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.057	-0.20	.	.	.	.	.		.
57	MARGARETVIL LE	08OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
58	MARGARETVIL LE	21OCT2014	.	.	.	.	.	.	-3.0	-1.2	.	.	0.077	-0.20	.	.	.	.	.		.

Delaware System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
59	MARGARETVIL LE	22OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
60	MARGARETVIL LE	05NOV2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.045	-0.20	.	.	.	.	.	.	.	.
61	MARGARETVIL LE	06NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
62	MARGARETVIL LE	18NOV2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.036	-0.20	.	.	.	.	.	.	.	.
63	MARGARETVIL LE	19NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
64	MARGARETVIL LE	02DEC2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.035	-0.20	.	.	.	.	.	.	.	.
65	MARGARETVIL LE	03DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
66	MARGARETVIL LE	16DEC2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.029	-0.20	.	.	.	.	.	.	.	.
67	MARGARETVIL LE	17DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
68	ANDES	16JUL2014	0.0190	19.9	8.04	5.1	0.15	-3	.	-1.0	-0.1	.	0.125	-0.20	.	.	-0.04	.	-1	.	.	.
69	ANDES	13AUG2014	0.0260	19.5	.	.	0.55	-3	.	-1.0	-0.1	.	0.136	-0.20	.	.	-0.04	.	-1	.	.	.
70	ANDES	13AUG2014	.	18.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
71	ANDES	13AUG2014	.	20.3	7.83	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
72	ANDES	17SEP2014	0.0220	18.5	8.02	9.1	0.30	-3	.	-1.0	-0.1	.	0.091	-0.20	.	.	-0.04	.	-1	.	.	.
73	ANDES	23SEP2014	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
							0.10															
74	ANDES	08OCT2014	0.0270	17.5	7.84	7.6	0.60	-3	.	-1.1	-0.1	.	0.103	-0.20	.	.	-0.04	.	-1	.	.	.
75	ANDES	30OCT2014	0.0260	.	.	.	0.45	-3	.	-1.0	-0.1	.	0.090	-0.20	.	.	-0.04	.	.	.	.	.
76	ANDES	13NOV2014	0.0230	15.4	7.86	8.4	0.90	-3	.	1.5	-0.1	.	0.070	-0.20	.	.	-0.04	.	-1	.	.	.
77	ANDES	10DEC2014	0.0400	10.3	7.63	10.8	0.25	-3	.	-1.1	-0.1	.	0.029	-0.20	.	.	-0.04	.	-1	.	.	.
78	ANDES	15DEC2014	.	.	.	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
79	CAMP L'MAN A'CHAI	02JUL2014	.	19.4	7.10	8.8	0.10	.	-3.0	-1.0	-0.1	.	.	4.91	.	.	0.04	.	-1	.	.	.
80	CAMP L'MAN A'CHAI	02JUL2014	.	.	.	.	.	.	.	.	.	.	0.298	.	.	.	.	.	.	.	.	.

Delaware System

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS	
81	CAMP L'MAN A'CHAI	09JUL2014	.	22.1	6.82	7.6	- 0.10	.	-3.0	-1.0	-0.1	.	.	-0.20	.	.	-0.04	.	-1		.	
82	CAMP L'MAN A'CHAI	09JUL2014	.	.	.	.	.	.	.	.	.	.	0.237	.	.	.	.	.	.	.	.	.
83	CAMP L'MAN A'CHAI	06AUG2014	.	22.7	6.92	7.1	0.15	.	-3.0	-1.0	-0.1	.	0.359	0.70	.	.	-0.04	.	-1		.	
84	FLEISCHMANN S	09JUL2014	0.0690	19.7	7.15	8.1	0.10	.	-3.0	-1.0	-0.1	.	0.015	-0.20	.	.	-0.04	.	-1		.	
85	FLEISCHMANN S	06AUG2014	0.0550	19.6	7.38	8.6	0.10	.	-3.0	-1.0	-0.1	.	0.033	-0.20	.	.	-0.04	.	-1		.	
86	FLEISCHMANN S	03SEP2014	0.0370	20.3	.	8.6	0.15	.	18.9	-1.0	-0.1	.	.	-0.20	.	.	-0.04	.	-1		.	
87	FLEISCHMANN S	03SEP2014	.	.	.	.	.	.	.	.	.	.	0.250	.	.	.	.	.	.	.	.	.
88	FLEISCHMANN S	23SEP2014	.	.	.	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89	FLEISCHMANN S	01OCT2014	0.0190	16.7	7.46	9.5	0.25	.	-3.0	-1.0	-0.1	.	0.013	-0.20	.	.	-0.04	.	1		.	
90	FLEISCHMANN S	06NOV2014	0.0230	12.3	7.23	12.6	0.75	.	-3.0	-1.1	0.1	.	0.028	-0.20	.	.	-0.04	.	-1		.	
91	FLEISCHMANN S	19NOV2014	0.0260	.	.	.	0.35	.	-3.0	-1.1	-0.1	.	0.019	-0.20	.	.	-0.04	.	.		.	
92	FLEISCHMANN S	15DEC2014	.	.	.	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
93	FLEISCHMANN S	17DEC2014	0.0150	8.0	6.99	11.4	0.65	.	-3.0	-1.1	-0.1	.	0.006	-0.20	.	.	-0.04	.	-1		.	
94	GRAHAMSVILL E	02JUL2014	.	.	.	.	.	.	-3.0	-2.0	.	.	0.062	-0.20	.	.	.	.	.	.	.	.
95	GRAHAMSVILL E	02JUL2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	33		.
96	GRAHAMSVILL E	06AUG2014	.	.	.	.	.	.	-3.0	-1.0	.	.	0.043	-0.20	.	.	.	.	.	.	.	.
97	GRAHAMSVILL E	06AUG2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1		.
98	GRAHAMSVILL E	03SEP2014	.	.	.	.	.	.	-3.0	-1.1	.	.	0.078	-0.20	.	.	.	.	.	.	.	.
99	GRAHAMSVILL	03SEP2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-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
	E																				
100	GRAHAMSVILL E	01OCT2014	.	.	.	.	.	.	-3.0	-1.0	.	0.088	-0.20	.	.	.	.	.	.		.
101	GRAHAMSVILL E	01OCT2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
102	GRAHAMSVILL E	06NOV2014	.	.	.	.	.	.	-3.0	-2.5	.	0.048	-0.20	.	.	.	.	.	.	.	.
103	GRAHAMSVILL E	06NOV2014	.	.	.	.	.	.	.	-1.8	.	.	.	.	.	.	.	.	.	.	.
104	GRAHAMSVILL E	06NOV2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
105	GRAHAMSVILL E	03DEC2014	.	.	.	.	.	.	-3.0	-1.0	.	.	-0.20	.	.	.	.	.	.	.	.
106	GRAHAMSVILL E	03DEC2014	.	.	.	.	.	.	.	.	.	0.037	.	.	.	.	.	.	.	.	.
107	GRAHAMSVILL E	03DEC2014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-1	.	.
108	GRAHAMSVILL E	18AUG2014	.	20.1	7.37	.	0.10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
109	GRAHAMSVILL E	03DEC2014	.	.	.	.	0.45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
110	ROXBURY	09JUL2014	0.0140	20.1	7.92	8.4	0.25	.	-3.0	-1.0	-0.1	.	-0.20	.	.	-0.04	.	-1	.	.	.
111	ROXBURY	09JUL2014	.	.	.	.	.	.	.	.	.	0.276	.	.	.	.	.	.	.	.	.
112	ROXBURY	06AUG2014	0.0110	19.7	7.92	8.3	0.35	.	-3.0	-2.0	-0.1	0.356	-0.20	.	.	-0.04	.	-1	.	.	.
113	ROXBURY	17SEP2014	0.0080	16.0	7.92	9.1	0.55	.	6.7	2.0	-0.1	.	-0.20	.	.	-0.04	.	-1	.	.	.
114	ROXBURY	17SEP2014	.	.	.	.	.	.	.	.	.	0.331	.	.	.	.	.	.	.	.	.
115	ROXBURY	16OCT2014	0.0020	14.7	8.22	8.6	4.90	.	5.4	23.5	-0.1	.	-0.20	.	.	-0.04	.	-1	.	.	.
116	ROXBURY	16OCT2014	.	.	.	.	.	.	.	.	.	0.346	.	.	.	.	.	.	.	.	.
117	ROXBURY	06NOV2014	.	10.4	7.79	12.6	0.95	.	-3.0	-1.1	-0.1	.	-0.20	.	.	-0.04	.	-1	.	.	.
118	ROXBURY	06NOV2014	.	.	.	.	.	.	.	.	.	0.277	.	.	.	.	.	.	.	.	.
119	ROXBURY	04DEC2014	0.0140	5.4	7.64	11.6	0.50	.	-3.0	-1.0	-0.1	.	-0.20	.	.	2.00	.	-1	.	.	.
120	ROXBURY	04DEC2014	.	.	.	.	.	.	.	.	.	0.232	.	.	.	.	.	.	.	.	.
121	STAMFORD	09JUL2014	0.3490	18.4	7.02	8.2	0.10	.	3.4	-1.0	-0.1	0.006	-0.20	.	0.56	-0.04	.	-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	
122	STAMFORD	06AUG2014	0.1920	19.4	6.83	7.0	0.35	.	-3.0	-1.0	-0.1	.	0.024	-0.20	.	0.74	-0.04	.	-1		.	
123	STAMFORD	03SEP2014	0.1330	19.0	6.83	8.2	0.10	.	-3.0	-1.0	-0.1	.	0.018	-0.20	.	1.20	0.04	.	-1		.	
124	STAMFORD	29SEP2014	0.20
125	STAMFORD	01OCT2014	0.0960	16.7	6.74	8.8	0.30	.	-3.0	-1.0	-0.1	.	.	-0.20	.	0.25	-0.04	.	-1		.	
126	STAMFORD	01OCT2014	0.015
127	STAMFORD	16OCT2014	0.0840	.	.	.	0.45	.	3.5	-1.0	-0.1	.	0.031	-0.20	.	0.39	-0.04	.	.		.	
128	STAMFORD	06NOV2014	0.1720	13.2	6.72	8.9	0.30	.	4.7	-1.1	-0.1	.	0.032	-0.20	.	-	-0.04	.	-1		.	
																0.20						
129	STAMFORD	17DEC2014	0.2850	9.3	6.80	10.6	0.30	.	4.0	-1.0	-0.1	.	0.006	-0.20	.	0.26	-0.04	.	1		.	
130	STAMFORD	17DEC2014	0.20
131	WALTON	16JUL2014	1.0750	19.2	7.78	11.2	0.35	.	-3.0	-1.0	-0.1	.	0.015	0.23	.	1.30	-0.04	.	5		.	
132	WALTON	13AUG2014	0.9936	23.7	.	.	1.20	.	-3.0	-1.0	-0.1	.	0.017	-0.20	.	0.91	-0.04	.	-1		.	
133	WALTON	13AUG2014	.	16.1
134	WALTON	13AUG2014	.	20.2	7.68
135	WALTON	17SEP2014	1.0150	22.9	7.99	8.4	0.25	.	-3.0	1.1	-0.1	.	0.154	-0.20	.	0.92	0.04	.	-1		.	
136	WALTON	08OCT2014	0.9400	21.9	7.78	7.7	0.75	.	-3.0	-1.0	-0.1	.	0.019	-0.20	.	1.40	-0.04	.	-1		.	
137	WALTON	30OCT2014	1.0970	.	.	.	0.80	.	-3.0	-1.1	-0.1	.	0.012	0.76	.	1.80	-0.04	.	.		.	
138	WALTON	13NOV2014	0.9750	19.5	7.70	7.3	0.25	.	-3.0	-2.2	-0.1	.	0.014	0.21	.	0.80	-0.04	.	-1		.	
139	WALTON	10DEC2014	1.1950	15.1	7.58	9.3	0.35	.	-3.0	-1.1	-0.1	.	0.018	0.49	.	1.50	-0.04	.	-1		.	