

***NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY***

**Report on sample monitoring of
NYC-owned and non-City-owned WWTPs
discharging in the CAT/DEL watershed**

Third Quarter 2012

October 31, 2012

*Prepared in accordance with Section 6.2 of the July 2007 United States
Environmental Protection Agency Filtration Avoidance Determination*



Prepared by: Bureau of Water Supply, Division of Watershed Water Quality Science and Research

The attached computer output was prepared in accordance with DEP's 2006 Long-term Watershed Protection Program and EPA's July 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. The computer output is divided into two sections.

The first section 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 following table, a subset of the first section, lists all of the DEP samples that contravened SPDES limits. DEP's samples are surveillance, not regulatory samples, and may not constitute true SPDES violations.

Section 1

Catskill District:

Facility	Date	Parameter	Measurement	SPDES Limit
Camp Machne Tashbar	15AUG12	Dissolved Oxygen	6.2	7 mg/l, minimum
Camp Machne Tashbar	15AUG12	Temperature	21.4	21.1 °C (70°F)
Camp Timberlake	05JUL12	Dissolved Oxygen	5.32	7 mg/l, minimum
Camp Timberlake	05JUL12	Temperature	23.1	21.1 °C (70°F)
Camp Timberlake	12JUL12	Dissolved Oxygen	6.5	7 mg/l, minimum
Camp Timberlake	12JUL12	Temperature	23.3	21.1 °C (70°F)
Camp Timberlake	09AUG12	Dissolved Oxygen	6.4	7 mg/l, minimum
Camp Timberlake	09AUG12	Temperature	24.3	21.1 °C (70°F)
Camp Timberlake	22AUG12	Temperature	21.9	21.1 °C (70°F)
Mountainview Estates	15AUG12	pH	6.24	6.5 - 8.5
Windham	08AUG12	CBOD5	20	8 mg/l

Delaware District:

Facility	Date	Parameter	Measurement	SPDES Limit
Andes	11JUL12	Temperature	21.6	21.1 °C (70°F)
Andes	25JUL12	Temperature	22.2	21.1 °C (70°F)
Andes	15AUG12	Ammonia	1.58	1.4 mg/l
Andes	22AUG12	Ammonia	9.86	1.4 mg/l
Andes	29AUG12	BOD5	6.8	5 mg/l
Andes	29AUG12	Ammonia	13.6	1.4 mg/l
Camp L'man A'chai	05JUL12	pH	6.34	6.5 - 8.5
Camp L'man A'chai	05JUL12	Ammonia	4.98	1.5 mg/l
Camp L'man A'chai	18JUL12	pH	5.86	6.5 - 8.5
Camp L'man A'chai	05SEP12	pH	6.42	6.5 - 8.5
Camp L'man A'chai	05SEP12	Dissolved Oxygen	6.8	7 mg/l, minimum
Camp L'man A'chai	19SEP12	pH	6.04	6.5 - 8.5
Delhi	11JUL12	Phosphorus	0.255	0.11 mg/l, 30-day A.M.
Margaretville-%removals	21AUG12	influent and effluent CBOD5	not reported	
Margaretville-%removals	29AUG12	influent and effluent suspended solids	not reported	
Mountainside	18JUL12	Phosphorus	9.93	3 mg/l
Mountainside	18JUL12	Susp.Solids	37	30 mg/l, daily max.
Mountainside	01AUG12	Susp.Solids	36	30 mg/l, daily max.

Delaware District (cont.):

<u>Facility</u>	<u>Date</u>	<u>Parameter</u>	<u>Measurement</u>	<u>SPDES Limit</u>
Mountainside	01AUG12	Phosphorus	4.21	3 mg/l
Mountainside	19SEP12	pH	5.92	6.5 - 8.5
Mountainside	19SEP12	Susp.Solids	1850	30 mg/l, daily max.
Mountainside	19SEP12	Phosphorus	40.6	3 mg/l
Mountainside	19SEP12	BOD	1160	80 mg/l
Mountainside	19SEP12	Chloride	507	500 mg/l
Roxbury Run	18JUL12	Temperature	22	21.1 °C (70°F)
Roxbury Run	01AUG12	Temperature	21.6	21.1 °C (70°F)
Roxbury Run	15AUG12	Temperature	21.2	21.1 °C (70°F)
Roxbury Run	05SEP12	Temperature	21.5	21.1 °C (70°F)
Stamford	18JUL12	pH	5.86	6 - 8.5
WestDel BOCES	11JUL12	Temperature	22.7	21.1 °C (70°F)
WestDel BOCES	25JUL12	pH	6.38	6.5 - 8.5
WestDel BOCES	25JUL12	Temperature	22.3	21.1 °C (70°F)
WestDel BOCES	25JUL12	Ammonia	1.93	1.4 mg/l
WestDel BOCES	08AUG12	Temperature	22.8	21.1 °C (70°F)
WestDel BOCES	22AUG12	Temperature	21.5	21.1 °C (70°F)

It should be noted that there was a severe storm the day before Mountainside Farms sample date of Sept. 19 causing unusually high readings that day.

The second section of this report is simply an output of the raw data. 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 mg/L. 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 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.

Catskill District:

Ashland WTP

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
25JUL12		no violations	
08AUG12		no violations	
12SEP12		no violations	
19SEP12		no violations	
25SEP12		no violations	

Boiceville WWTP

date	Parameter	SPDES Violation	SPDES Limit
05JUL12		no violations	
09AUG12		no violations	
22AUG12		no violations	
13SEP12		no violations	

Camp Machne Tashbar

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
15AUG12	Dissolved Oxygen	6.2	7 mg/l, min.
15AUG12	Temp	21.4	21.1 °C, daily max.

Camp Timberlake - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
05JUL12	Dissolved Oxygen	5.32	7 mg/l, min.
05JUL12	Temp	23.1	21.1 °C, daily max.
12JUL12	Dissolved Oxygen	6.5	7 mg/l, min.
12JUL12	Temp	23.3	21.1 °C, daily max.
09AUG12	Dissolved Oxygen	6.4	7 mg/l, min.
09AUG12	Temp	24.3	21.1 °C, daily max.
22AUG12	Temp	21.9	21.1 °C, daily max.

Elka Park (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
07AUG12		no violations	
04SEP12		no violations	
19SEP12		no violations	

Grand Gorge (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
04JUL12		no violations	
05JUL12		no violations	
17JUL12		no violations	
18JUL12		no violations	
07AUG12		no violations	
08AUG12		no violations	
21AUG12		no violations	
22AUG12		no violations	
29AUG12		no violations	
04SEP12		no violations	
05SEP12		no violations	
18SEP12		no violations	
19SEP12		no violations	

Hunter Highlands (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
18JUL12		no violations	
01AUG12		no violations	
15AUG12		no violations	
12SEP12		no violations	
19SEP12		no violations	

Hunter Village (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
17JUL12		no violations	
18JUL12		no violations	
15AUG12		no violations	
04SEP12		no violations	
12SEP12		no violations	

Mountainview Estates

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
15AUG12	pH	6.24	6.5 - 8.5

Olive Woods

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
07AUG12		no violations	
19SEP12		no violations	

Oorah Golden Acres - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
17JUL12		no violations	
01AUG12		no violations	
08AUG12		no violations	

Pine Hill (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
04JUL12		no violations	
05JUL12		no violations	
17JUL12		no violations	
18JUL12		no violations	
07AUG12		no violations	
08AUG12		no violations	
21AUG12		no violations	
22AUG12		no violations	
29AUG12		no violations	
04SEP12		no violations	
05SEP12		no violations	
18SEP12		no violations	
19SEP12		no violations	

Prattsville WTP

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
17JUL12		no violations	
01AUG12		no violations	
15AUG12		no violations	
05SEP12		no violations	
12SEP12		no violations	

Tannersville (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
04JUL12		no violations	
05JUL12		no violations	
17JUL12		no violations	
18JUL12		no violations	
07AUG12		no violations	
08AUG12		no violations	
21AUG12		no violations	
22AUG12		no violations	
29AUG12		no violations	
04SEP12		no violations	
05SEP12		no violations	
18SEP12		no violations	
19SEP12		no violations	

Windham (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
17JUL12		no violations	
02AUG12		no violations	
08AUG12	CBOD5	20	8 mg/l daily max.
16AUG12		no violations	
05SEP12		no violations	
12SEP12		no violations	

Delaware District:

Andes (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
11JUL12	Temperature	21.6	21.1 °C (70°F)
25JUL12	Temperature	22.2	21.1 °C (70°F)
15AUG12	Ammonia	1.58	1.4 mg/l
22AUG12	Ammonia	9.86	1.4 mg/l
29AUG12	BOD5	6.8	5 mg/l
29AUG12	Ammonia	13.6	1.4 mg/l
12SEP12		no violations	
19SEP12		no violations	
26SEP12		no violations	

Camp L'man A'chai - seasonal facility

date	Parameter	SPDES Violation	SPDES Limit
05JUL12	pH	6.34	6.5 - 8.5
05JUL12	Ammonia	4.98	1.5 mg/l
18JUL12	pH	5.86	6.5 - 8.5
01AUG12		no violations	
15AUG12		no violations	
05SEP12	pH	6.42	6.5 - 8.5
05SEP12	Dissolved Oxygen	6.8	7 mg/l, min.
19SEP12	pH	6.04	6.5 - 8.5

Delhi WWTP

date	Parameter	SPDES Violation	SPDES Limit
11JUL12	Phosphorus	0.255	0.11 mg/l 30-day A.M.
25JUL12		no violations	
08AUG12		no violations	
22AUG12		no violations	
12SEP12		no violations	
26SEP12		no violations	

Fleischmanns WWTP

date	Parameter	SPDES Violation	SPDES Limit
05JUL12		no violations	
18JUL12		no violations	
01AUG12		no violations	
15AUG12		no violations	
29AUG12		no violations	
05SEP12		no violations	
19SEP12		no violations	

Grahamsville WWTP (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
01AUG12		no violations	
05SEP12		no violations	

Hobart (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUL12		no violations	
18JUL12		no violations	
01AUG12		no violations	
15AUG12		no violations	
05SEP12		no violations	
19SEP12		no violations	

Margaretville

date	Parameter	SPDES Violation	SPDES Limit
04JUL12		no violations	
05JUL12		no violations	
17JUL12		no violations	
18JUL12		no violations	
07AUG12		no violations	
08AUG12		no violations	
21AUG12		no violations	
22AUG12		no violations	
29AUG12		no violations	
04SEP12		no violations	
05SEP12		no violations	
18SEP12		no violations	
19SEP12		no violations	

Margaretville--% removals

date	Parameter	SPDES Violation	SPDES Limit
04JUL12		% removals okay	
17JUL12		% removals okay	
07AUG12		% removals okay	
21AUG12	influent and effluent CBOD5	not reported	
21AUG12		% suspended solids removals okay	
29AUG12	influent and effluent suspended solids	not reported	
29AUG12		% CBOD5 removals okay	
04SEP12		% removals okay	
18SEP12		% removals okay	

Mountainside Farms - Delaware County Dairies

date	Parameter	SPDES Violation	SPDES Limit
05JUL12		no violations	
18JUL12	Suspended Solids	37	30 mg/l, daily max.
18JUL12	Phosphorus	9.93	3 mg/l
01AUG12	Suspended Solids	36	30 mg/l, daily max.
01AUG12	Phosphorus	4.21	3 mg/l
15AUG12		no violations	
29AUG12		no flow, no sample	
05SEP12		no violations	
19SEP12	pH	5.92	6.5 - 8.5
19SEP12	Suspended Solids	1850	30 mg/l, daily max.
19SEP12	Phosphorus	40.6	3.0 mg/l
19SEP12	BOD	1160	80 mg/l
19SEP12	Chloride	507	500 mg/l

Roxbury Run (summer limits)

date	Parameter	SPDES Violation	SPDES Limit
05JUL12		no violations	
18JUL12	Temperature	22	21.1 øC, (70øF)
01AUG12	Temperature	21.6	21.1 øC, (70øF)
15AUG12	Temperature	21.2	21.1 øC, (70øF)
05SEP12	Temperature	21.5	21.1 øC, (70øF)
19SEP12		no violations	

Stamford WWTP

date	Parameter	SPDES Violation	SPDES Limit
05JUL12		no violations	
18JUL12	pH	5.86	6 - 8.5
01AUG12		no violations	
15AUG12		no violations	
20AUG12		no violations	
05SEP12		no violations	
19SEP12		no violations	

Walton WWTP

date	Parameter	SPDES Violation	SPDES Limit
11JUL12		no violations	
25JUL12		no violations	
08AUG12		no violations	
22AUG12		no violations	
12SEP12		no violations	
26SEP12		no violations	

Delaware County BOCES

date	Parameter	SPDES Violation	SPDES Limit
11JUL12	Temperature	22.7	21.1 °C (70°F)
25JUL12	pH	6.38	6.5 - 8.5
25JUL12	Temperature	22.3	21.1 °C (70°F)
25JUL12	Ammonia	1.93	1.4 mg/l
08AUG12	Temperature	22.8	21.1 °C (70°F)
22AUG12	Temperature	21.5	21.1 °C (70°F)
12SEP12		no violations	
26SEP12		no violations	

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
1	ASHLAND WTP	11JUL2012	16.6	7.07	7.4	0.10	-3	.	-1
2	ASHLAND WTP	25JUL2012	16.8	6.86	6.5	0.15	-3	.	-1
3	ASHLAND WTP	08AUG2012	18.3	6.87	6.0	0.15	-3	.	-1
4	ASHLAND WTP	12SEP2012	16.9	7.00	7.6	-0.10	-3	.	-1
5	ASHLAND WTP	19SEP2012	17.0	7.01	8.2	0.10	-3	.	-1
6	ASHLAND WTP	25SEP2012	15.9	7.06	.	-0.10	.	.	.
7	BOICEVILLE WTP	05JUL2012	22.5	8.18	8.7	0.30	.	-3.0	-2
8	BOICEVILLE WTP	09AUG2012	23.8	7.92	8.6	0.20	.	-3.0	-1
9	BOICEVILLE WTP	22AUG2012	22.7	7.98	8.9	0.25	.	.	-1
10	BOICEVILLE WTP	13SEP2012	23.2	7.95	9.0	0.30	.	-3.0	-1
11	CAMP MACHNE TASHBAR	11JUL2012	19.3	7.33	7.6	0.10	.	3.9	-1
12	CAMP MACHNE TASHBAR	25JUL2012	20.3	6.98	7.1	0.15	.	5.9	-1
13	CAMP MACHNE TASHBAR	15AUG2012	21.4	7.14	6.2	0.15	.	-3.0	-2
14	CAMP TIMBERLAKE	05JUL2012	23.1	7.23	5.3	0.10	.	-3.0	-1
15	CAMP TIMBERLAKE	12JUL2012	23.3	7.34	6.5	0.10	.	-3.0	-1
16	CAMP TIMBERLAKE	12JUL2012	.	.	.	.	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
1	-0.1	.	0.054	1.05	.	.	-0.04	.	-1	.	.
2	-0.1	.	0.085	1.02	.	.	-0.04	.	-1	.	.
3	-0.1	.	0.090	-0.20	.	.	0.05	.	-1	.	.
4	-0.1	.	0.074	0.68	.	.	0.04	.	-1	.	.
5	-0.1	.	0.053	0.60	.	.	-0.04	.	-1	.	.
6	.	.	.	.	.	.	.	.	.	.	.
7	-0.1	.	0.090	0.22	.	.	0.06	.	-1	.	.
8	-0.1	.	0.096	-0.20	.	.	-0.04	.	-1	.	.
9	-0.1	.	0.126	-0.20	.	.	-0.04	.	-1	.	.
10	-0.1	.	0.044	-0.20	.	.	0.06	.	-1	.	.
11	-0.1	.	0.007	-0.20	.	.	-0.04	.	-1	.	.
12	0.1	.	0.008	-0.20	.	.	-0.04	.	-1	.	.
13	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
14	-0.1	.	0.475	-0.20	.	.	0.05	.	-1	.	.
15	-0.1	.	.	-0.20	.	.	0.06	.	-1	.	.
16	.	.	0.304	.	.	.	.	.	.	.	.

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
17	CAMP TIMBERLAKE	09AUG2012	24.3	7.10	6.4	-0.10	.	-3.0	-1
18	CAMP TIMBERLAKE	22AUG2012	21.9	7.36	7.4	-0.10	.	.	-1
19	ELKA PARK	11JUL2012	18.0	7.69	8.9	0.10	.	-3.0	-1
20	ELKA PARK	07AUG2012	19.2	7.47	8.5	0.10	.	-3.0	-1
21	ELKA PARK	07AUG2012	.	.	.	.	.	.	.
22	ELKA PARK	04SEP2012	18.6	7.27	8.5	-0.10	.	-3.0	-1
23	ELKA PARK	19SEP2012	16.2	7.27	9.2	0.10	.	-3.0	-1
24	GOLDEN ACRES	19SEP2012	19.0	7.29	9.3	0.45	.	-3.0	-1
25	GRAND GORGE	04JUL2012	.	.	.	.	.	-3.0	-1
26	GRAND GORGE	05JUL2012	.	.	.	.	.	.	.
27	GRAND GORGE	17JUL2012	.	.	.	.	.	-3.0	-1
28	GRAND GORGE	18JUL2012	.	.	.	.	.	.	.
29	GRAND GORGE	07AUG2012	.	.	.	.	.	-3.0	-1
30	GRAND GORGE	08AUG2012	.	.	.	.	.	.	.
31	GRAND GORGE	21AUG2012	.	.	.	.	.	.	-1
32	GRAND GORGE	22AUG2012	.	.	.	.	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
17	-0.1	.	0.199	-0.20	.	.	-0.04	.	-1	.	.
18	-0.1	.	0.261	-0.20	.	.	0.04	.	-1	.	.
19	-0.1	.	0.222	-0.20	.	.	-0.04	.	-1	.	.
20	-0.1	.	.	-0.20	.	.	-0.04	.	-1	.	.
21	.	.	0.207	.	.	.	.	.	.	.	.
22	-0.1	.	0.201	1.09	.	.	-0.04	.	-1	.	.
23	-0.1	.	0.198	-0.20	.	.	-0.04	.	-1	.	.
24	-0.1	.	0.525	-0.20	.	.	0.06	.	-1	.	.
25	.	.	0.063	-0.20	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.	.	-1	.	.
27	.	.	0.163	-0.20	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.	.	-1	.	.
29	.	.	0.105	-0.20	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.	.	-1	.	.
31	.	.	0.043	-0.20	.	.	.	.	.	.	.
32	.	.	.	.	.	.	.	.	-1	.	.

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
33	GRAND GORGE	29AUG2012	.	.	.	.	.	-3.0	.
34	GRAND GORGE	04SEP2012	.	.	.	.	.	-3.0	-1.0
35	GRAND GORGE	05SEP2012	.	.	.	.	.	.	.
36	GRAND GORGE	18SEP2012	.	.	.	.	.	-3.0	-1.0
37	GRAND GORGE	19SEP2012	.	.	.	.	.	.	.
38	HUNTER HIGHLANDS	11JUL2012	21.4	7.33	8.3	-0.10	.	-3.0	-1.0
39	HUNTER HIGHLANDS	18JUL2012	22.8	7.28	8.0	0.25	.	-3.0	-2.0
40	HUNTER HIGHLANDS	01AUG2012	21.9	7.13	7.9	0.25	.	-3.0	-1.0
41	HUNTER HIGHLANDS	15AUG2012	21.3	7.14	7.6	0.15	.	3.3	-2.0
42	HUNTER HIGHLANDS	16AUG2012	21.1	6.98	.	0.15	.	.	.
43	HUNTER HIGHLANDS	12SEP2012	18.6	7.52	8.8	0.10	.	-3.0	-1.0
44	HUNTER HIGHLANDS	19SEP2012	16.5	7.50	9.0	0.25	.	3.0	-1.0
45	HUNTER WTP	11JUL2012	20.9	7.26	8.5	0.10	-3	.	-1.0
46	HUNTER WTP	17JUL2012	22.4	7.04	.	0.30	.	.	.
47	HUNTER WTP	18JUL2012	22.5	6.91	8.0	0.35	-3	.	-2.0
48	HUNTER WTP	15AUG2012	21.7	6.75	8.0	0.15	-3	.	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
33	.	.	.	.	.	.	.	.	.	.	.
34	.	.	0.041	-0.20	.	.	.	.	.	.	.
35	.	.	.	.	.	.	.	.	-1	.	.
36	.	.	0.019	-0.20	.	.	.	.	.	.	.
37	.	.	.	.	.	.	.	.	-1	.	.
38	-0.1	.	0.006	-0.20	.	.	-0.04	.	-1	.	.
39	-0.1	.	0.007	-0.20	.	.	-0.04	.	-1	.	.
40	-0.1	.	0.008	-0.20	.	.	-0.04	.	-1	.	.
41	-0.1	.	0.006	-0.20	.	.	-0.04	.	-1	.	.
42	.	.	.	.	.	.	.	.	.	.	.
43	-0.1	.	0.007	-0.20	.	.	0.04	.	-1	.	.
44	-0.1	.	0.005	-0.20	.	.	-0.04	.	-1	.	.
45	-0.1	.	0.079	-0.20	.	.	-0.04	.	-1	.	.
46	.	.	.	.	.	.	.	.	.	.	.
47	-0.1	.	0.295	-0.20	.	.	-0.04	.	-1	.	.
48	-0.1	.	0.020	-0.20	.	.	-0.04	.	-1	.	.

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
49	HUNTER WTP	04SEP2012	20.7	6.95	8.1	0.15	-3	.	-1.0
50	HUNTER WTP	12SEP2012	18.7	7.13	9.1	0.10	-3	.	-1.0
51	MOUNTAIN VIEW	11JUL2012	21.5	6.92	8.1	-0.10	.	-3	-2.0
52	MOUNTAIN VIEW	15AUG2012	22.4	6.24	8	0.15	.	-3	-1.0
53	OLIVE WOODS	11JUL2012	19.2	8.20	9.0	0.10	.	-3	-1.0
54	OLIVE WOODS	07AUG2012	19.5	8.20	9.1	0.20	.	-3	-1.0
55	OLIVE WOODS	19SEP2012	18.4	7.79	9.0	-0.10	.	-3	-2.0
56	OORAH GOLDEN ACRES	11JUL2012	19.5	7.72	9.0	0.10	.	-3	-1.0
57	OORAH GOLDEN ACRES	17JUL2012	19.7	7.65	8.3	-0.10	.	-3	-1.0
58	OORAH GOLDEN ACRES	01AUG2012	20.4	7.61	8.4	0.10	.	-3	-2.0
59	OORAH GOLDEN ACRES	08AUG2012	22.8	8.12	8.7	0.20	.	-3	-1.0
60	PINE HILL	04JUL2012	.	.	.	.	-3	.	-1.1
61	PINE HILL	05JUL2012	.	.	.	.	.	.	.
62	PINE HILL	17JUL2012	.	.	.	.	-3	.	-1.1
63	PINE HILL	18JUL2012	.	.	.	.	.	.	.
64	PINE HILL	07AUG2012	.	.	.	.	-3	.	-1.0
65	PINE HILL	08AUG2012	.	.	.	.	.	.	.
66	PINE HILL	21AUG2012	.	.	.	.	.	.	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
49	-0.1	.	0.023	0.21	.	.	-0.04	.	-1	.	.
50	-0.1	.	0.024	-0.20	.	.	-0.04	.	-1	.	.
51	-0.1	.	0.024	-0.2	.	.	-0.04	.	-1	.	.
52	-0.1	.	0.015	-0.2	.	.	-0.04	.	-1	.	.
53	-0.1	.	0.072	-0.20	.	.	-0.04	.	-1	.	.
54	-0.1	.	0.106	-0.20	.	.	-0.04	.	-1	.	.
55	-0.1	.	0.263	1.49	.	.	-0.04	.	-1	.	.
56	-0.1	.	0.601	0.44	.	.	-0.04	.	-1	.	.
57	-0.1	.	0.662	0.29	.	.	-0.04	.	-1	.	.
58	-0.1	.	0.600	-0.20	.	.	0.04	.	-1	.	.
59	-0.1	.	0.541	-0.20	.	.	0.06	.	-1	.	.
60	.	.	0.006	-0.20
61	-1	.	.
62	.	.	0.009	-0.20
63	45	.	.
64	.	.	0.010	-0.20
65	1	.	.
66	.	.	0.057	-0.20

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CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
67	PINE HILL	22AUG2012
68	PINE HILL	29AUG2012	.	.	.	.	-3	.	.
69	PINE HILL	04SEP2012	.	.	.	.	-3	.	-1.1
70	PINE HILL	05SEP2012	.	.	.	.	.	.	.
71	PINE HILL	18SEP2012	.	.	.	.	-3	.	-1.0
72	PINE HILL	19SEP2012	.	.	.	.	.	.	.
73	PRATTSVILLE WTP	11JUL2012	20.0	7.36	6.5	0.10	.	-3.0	-1.0
74	PRATTSVILLE WTP	17JUL2012	19.4	7.43	7.8	0.10	.	-3.0	-2.0
75	PRATTSVILLE WTP	17JUL2012	19.7	7.34	.	0.20	.	.	.
76	PRATTSVILLE WTP	01AUG2012	20.8	7.28	6.3	0.40	.	-3.0	-1.0
77	PRATTSVILLE WTP	15AUG2012	20.3	7.27	6.1	0.20	.	-3.0	-1.0
78	PRATTSVILLE WTP	05SEP2012	21.3	7.39	6.2	0.15	.	-3.0	-1.0
79	PRATTSVILLE WTP	12SEP2012	20.1	7.51	7.6	0.10	.	-3.0	-1.0
80	TANNERSVILLE	04JUL2012	.	.	.	.	.	-3.0	-1.0
81	TANNERSVILLE	05JUL2012	.	.	.	.	.	.	.
82	TANNERSVILLE	17JUL2012	.	.	.	.	.	-3.0	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
67	.	.	.	.	.	.	.	.	1	.	.
68	.	.	.	.	.	.	.	.	.	.	.
69	.	.	0.021	-0.2	.	.	.	.	.	.	.
70	.	.	.	.	.	.	.	.	-1	.	.
71	.	.	0.022	-0.2	.	.	.	.	.	.	.
72	.	.	.	.	.	.	.	.	-1	.	.
73	-0.1	.	0.071	.	.	1.20	-0.04	.	-1	.	.
74	-0.1	.	0.040	.	.	0.66	-0.04	.	-1	.	.
75	.	.	.	.	.	.	.	.	.	.	.
76	-0.1	.	0.068	.	.	0.96	-0.04	.	-1	.	.
77	-0.1	.	0.055	.	.	1.10	-0.04	.	-1	.	.
78	-0.1	.	0.050	.	.	1.10	0.05	.	-1	.	.
79	-0.1	.	0.082	.	.	0.67	0.05	.	-1	.	.
80	.	.	0.056	-0.2
81	-1	.	.
82	.	.	0.106	-0.2

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CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
83	TANNERSVILLE	18JUL2012
84	TANNERSVILLE	07AUG2012	.	.	.	.	.	-3.0	-1.0
85	TANNERSVILLE	08AUG2012	.	.	.	.	.	.	.
86	TANNERSVILLE	21AUG2012	.	.	.	.	.	.	-2.0
87	TANNERSVILLE	22AUG2012	.	.	.	.	.	.	.
88	TANNERSVILLE	29AUG2012	.	.	.	.	.	-3.0	.
89	TANNERSVILLE	04SEP2012	.	.	.	.	.	-3.0	-1.0
90	TANNERSVILLE	05SEP2012	.	.	.	.	.	.	.
91	TANNERSVILLE	18SEP2012	.	.	.	.	.	-3.0	-2.0
92	TANNERSVILLE	19SEP2012	.	.	.	.	.	.	.
93	WINDHAM WTP	11JUL2012	19.6	7.46	9.0	0.10	.	3.6	-1.0
94	WINDHAM WTP	17JUL2012	20.9	7.29	8.2	0.10	.	-3.0	-1.0
95	WINDHAM WTP	02AUG2012	.	.	.	.	.	-3.0	-1.0
96	WINDHAM WTP	02AUG2012	21.3	7.25	8.7	0.10	.	-3.0	-1.0
97	WINDHAM WTP	08AUG2012	20.7	7.35	8.4	0.25	.	20.0	-1.0
98	WINDHAM WTP	16AUG2012	19.7	7.24	.	0.10	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
83	.	.	.	.	.	.	.	.	-1	.	.
84	.	.	0.092	-0.2	.	.	.	.	.	.	.
85	.	.	.	.	.	.	.	.	-1	.	.
86	.	.	0.176	-0.2	.	.	.	.	.	.	.
87	.	.	.	.	.	.	.	.	12	.	.
88	.	.	.	.	.	.	.	.	.	.	.
89	.	.	0.088	-0.2	.	.	.	.	.	.	.
90	.	.	.	.	.	.	.	.	-1	.	.
91	.	.	0.072	-0.2	.	.	.	.	.	.	.
92	.	.	.	.	.	.	.	.	-1	.	.
93	-0.1	.	0.014	-0.2	.	0.74	-0.04	.	-1	.	.
94	-0.1	.	0.018	-0.2	.	0.73	-0.04	.	-1	.	.
95	.	.	0.016	-0.2	.	0.62	-0.04
96	-0.1	.	0.017	-0.2	.	0.52	-0.04	.	-1	.	.
97	-0.1	.	0.043	-0.2	.	0.77	-0.04	.	-1	.	.
98

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CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
99	WINDHAM WTP	05SEP2012	19.7	7.37	8.5	0.35	.	3.3	-2.0
100	WINDHAM WTP	12SEP2012	18.4	7.17	9.2	0.15	.	-3.0	-2.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
99	-0.1	.	0.305	-0.2	.	0.58	-0.04	.	-1		.
100	-0.1	.	0.037	-0.2	.	-0.20	0.06	.	-1		.

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
1	ANDES	11JUL2012	0.020	21.6	8.36	10.3	0.10	-3.0	.	-1.0
2	ANDES	25JUL2012	.	22.2	8.37	9.8	0.15	-3.0	.	-1.0
3	ANDES	15AUG2012	0.013	20.9	8.00	11.9	0.80	-3.0	.	2.8
4	ANDES	22AUG2012	0.013	20.2	.	10.3	0.80	.	.	2.5
5	ANDES	29AUG2012	0.000	.	.	.	2.70	6.8	.	6.3
6	ANDES	12SEP2012	0.012	19.3	8.20	10.7	0.55	-3.0	.	3.0
7	ANDES	19SEP2012	.	18.7	7.81	.	0.35	.	.	.
8	ANDES	26SEP2012	0.009	19.7	8.21	13.5	1.10	-3.0	.	3.8
9	CAMP L'MAN A'CHAI	05JUL2012	.	22.4	6.34	7.1	-0.10	.	-3.0	-1.0
10	CAMP L'MAN A'CHAI	18JUL2012	0.000	23.9	5.86	7.6	0.10	.	-3.0	-1.0
11	CAMP L'MAN A'CHAI	01AUG2012	.	23.0	7.60	7.9	0.10	.	-3.0	-1.0
12	CAMP L'MAN A'CHAI	15AUG2012	.	21.5	7.64	7.6	0.30	.	-3.0	-1.0
13	CAMP L'MAN A'CHAI	05SEP2012	.	20.8	6.42	6.8	0.15	.	-3.0	-1.0
14	CAMP L'MAN A'CHAI	19SEP2012	.	18.2	6.04	9.0	1.50	.	-3.0	-1.0
15	DELHI	11JUL2012	0.489	23.9	7.81	8.5	0.65	.	3.5	1.8
16	DELHI	25JUL2012	0.516	24.8	7.72	8.3	0.40	.	3.4	1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
1	-0.1	.	0.051	-0.20	.	.	.	.	-1	.	.
2	0.1	.	0.050	-0.20	.	.	.	.	3	.	.
3	-0.1	.	0.052	1.58	.	.	.	.	-1	.	.
4	-0.1	.	0.020	9.86	.	.	.	.	1	.	.
5	-0.1	.	0.199	13.60	.	.	.	.	.	.	.
6	-0.1	.	0.028	-0.20	.	.	.	.	-1	.	.
7	.	.	.	.	.	.	.	.	.	.	.
8	-0.1	.	0.058	-0.20	.	.	.	.	9	.	.
9	-0.1	.	0.295	4.98	.	.	-0.04	.	-1	.	.
10	-0.1	.	0.268	-0.20	.	.	-0.04	.	-1	.	.
11	-0.1	.	0.570	0.37	.	.	-0.04	.	-1	.	.
12	-0.1	.	0.547	-0.20	.	.	0.04	.	2	.	.
13	-0.1	.	0.378	-0.20	.	.	-0.04	.	-1	.	.
14	-0.1	.	0.395	-0.20	.	.	-0.04	.	2	.	.
15	-0.1	.	0.255	-0.20	.	.	-0.04	.	-1	.	.
16	0.1	.	0.033	-0.20	.	.	-0.04	.	-1	.	.

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
17	DELHI	08AUG2012	0.492	25.6	7.80	7.4	0.15	.	3.6	-1
18	DELHI	22AUG2012	0.470	23.9	.	7.9	1.00	.	.	1
19	DELHI	12SEP2012	0.641	22.9	7.74	8.2	0.10	.	3.4	-1
20	DELHI	26SEP2012	0.649	21.3	7.47	7.6	0.75	.	.	-1
21	FLEISCHMANN	05JUL2012	0.050	23.6	7.26	7.3	0.40	.	-3.0	-1
22	FLEISCHMANN	18JUL2012	0.064	21.8	7.41	8.5	0.85	.	3.1	-1
23	FLEISCHMANN	01AUG2012	0.062	20.6	7.47	8.5	0.25	.	-3.0	-1
24	FLEISCHMANN	15AUG2012	0.076	19.6	7.45	8.2	0.35	.	-3.0	-1
25	FLEISCHMANN	29AUG2012	0.000	.	.	.	0.50	.	-3.0	-1
26	FLEISCHMANN	05SEP2012	0.044	19.9	7.49	8.0	0.15	.	-3.0	-1
27	FLEISCHMANN	19SEP2012	0.072	17.3	7.21	9.7	0.15	.	-3.0	-1
28	FLEISCHMANN	19SEP2012	.	17.4	7.09	.	0.10	.	.	.
29	GRAHAMSVILLE	11JUL2012	.	.	.	.	0.15	.	-3.0	-1
30	GRAHAMSVILLE	11JUL2012	.	.	.	.	.	.	.	.
31	GRAHAMSVILLE	01AUG2012	.	.	.	.	0.20	.	-3.0	-1
32	GRAHAMSVILLE	01AUG2012	.	.	.	.	.	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
17	-0.1	.	0.021	-0.20	.	.	0.04	.	-1	.	.
18	-0.1	.	0.016	-0.20	.	.	-0.04	.	-1	.	.
19	-0.1	.	0.025	-0.20	.	.	-0.04	.	-1	.	.
20	0.1	.	0.016	-0.20	.	.	-0.04	.	-1	.	.
21	-0.1	.	0.017	-0.20	.	.	-0.04	.	-1	.	.
22	-0.1	.	0.016	-0.20	.	.	-0.04	.	-1	.	.
23	-0.1	.	0.012	-0.20	.	.	-0.04	.	-1	.	.
24	-0.1	.	0.016	-0.20	.	.	-0.04	.	-1	.	.
25	-0.1	.	0.011	0.34	.	.	-0.04
26	-0.1	.	0.011	-0.20	.	.	-0.04	.	-1	.	.
27	-0.1	.	0.005	-0.20	.	.	0.04	.	-1	.	.
28
29	.	.	0.035	-0.20
30	-1	.	.
31	.	.	0.050	-0.20
32	-1	.	.

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
33	GRAHAMSVILLE	05SEP2012	.	.	.	.	0.20	.	-3	-1.0
34	GRAHAMSVILLE	05SEP2012	.	.	.	.	.	.	.	.
35	GRAHAMSVILLE	15AUG2012	.	22.3	7.70	.	0.55	.	.	.
36	HOBART	05JUL2012	0.066	20.7	6.98	6.0	0.10	.	-3	-1.0
37	HOBART	18JUL2012	0.074	27.6	7.24	5.4	0.15	.	-3	-1.0
38	HOBART	01AUG2012	0.078	22.3	7.00	6.5	0.10	.	-3	-1.0
39	HOBART	15AUG2012	0.079	21.2	7.02	6.3	0.25	.	-3	-1.0
40	HOBART	05SEP2012	0.067	21.3	6.97	6.3	0.35	.	-3	-1.0
41	HOBART	19SEP2012	0.091	18.6	7.00	7.2	0.20	.	-3	-1.0
42	MARGARETVILLE	04JUL2012	.	.	.	.	.	.	-3	-1.0
43	MARGARETVILLE	05JUL2012	.	.	.	.	.	.	.	.
44	MARGARETVILLE	17JUL2012	.	.	.	.	.	.	-3	-1.0
45	MARGARETVILLE	18JUL2012	.	.	.	.	.	.	.	.
46	MARGARETVILLE	07AUG2012	.	.	.	.	.	.	-3	-1.0
47	MARGARETVILLE	08AUG2012	.	.	.	.	.	.	.	.
48	MARGARETVILLE	21AUG2012	.	.	.	.	.	.	.	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
33	.	.	0.090	-0.20	.	.	.	.	.	.	.
34	.	.	.	.	.	.	.	.	1	.	.
35	.	.	.	.	.	.	.	.	.	.	.
36	-0.1	.	0.122	-0.20	.	.	-0.04	.	-1	.	.
37	-0.1	.	0.108	-0.20	.	.	-0.04	.	-1	.	.
38	-0.1	.	0.093	-0.20	.	.	-0.04	.	-1	.	.
39	-0.1	.	0.139	-0.20	.	.	-0.04	.	-1	.	.
40	-0.1	.	0.065	0.24	.	.	-0.04	.	-1	.	.
41	-0.1	.	0.119	-0.20	.	.	-0.04	.	-1	.	.
42	.	.	0.032	-0.20
43	-1	.	.
44	.	.	0.063	-0.20
45	-1	.	.
46	.	.	0.026	-0.20
47	1	.	.
48	.	.	0.045	-0.20

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
49	MARGARETVILLE	22AUG2012	.	.	.	.	.	.	.	.
50	MARGARETVILLE	29AUG2012	.	.	.	.	.	.	-3.0	.
51	MARGARETVILLE	04SEP2012	.	.	.	.	.	.	-3.0	-1.0
52	MARGARETVILLE	05SEP2012	.	.	.	.	.	.	.	.
53	MARGARETVILLE	18SEP2012	.	.	.	.	.	.	-3.0	-2.0
54	MARGARETVILLE	19SEP2012	.	.	.	.	.	.	.	.
55	MOUNTAINSIDE FARMS	05JUL2012	0.032	22.5	7.11	4.6	10.00	18.7	.	30.0
56	MOUNTAINSIDE FARMS	05JUL2012	.	.	.	.	.	.	.	.
57	MOUNTAINSIDE FARMS	18JUL2012	0.014	23.6	7.39	4.8	16.00	38.0	.	37.0
58	MOUNTAINSIDE FARMS	18JUL2012	.	.	.	.	.	.	.	.
59	MOUNTAINSIDE FARMS	01AUG2012	0.032	22.8	6.93	4.6	13.00	32.7	.	36.0
60	MOUNTAINSIDE FARMS	01AUG2012	.	.	.	.	.	.	.	.
61	MOUNTAINSIDE FARMS	15AUG2012	0.035	20.5	6.54	6.5	1.10	8.6	.	5.0
62	MOUNTAINSIDE FARMS	15AUG2012	.	.	.	.	.	.	.	.
63	MOUNTAINSIDE FARMS	29AUG2012	0.000	.	.	.	0.90	9.5	.	-4.0
64	MOUNTAINSIDE FARMS	29AUG2012	.	.	.	.	.	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
49	-1	.	.
50
51	.	.	0.038	-0.2	.	.	.	.	.	.	.
52	-1	.	.
53	.	.	0.050	-0.2	.	.	.	.	.	.	.
54	-1	.	.
55	.	.	1.370	.	-0.01	.	.	.	.	.	0.42
56	310	.	.	.
57	.	.	9.930	.	-0.01	0.94
58	259	.	.	.
59	.	.	4.210	.	-0.01	1.40
60	330	.	.	.
61	.	.	0.307	.	0.01	0.46
62	473	.	.	.
63	.	.	0.136	.	-0.01	0.38
64	406	.	.	.

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
65	MOUNTAINSIDE FARMS	05SEP2012	0.030	21.3	6.61	6.4	1.60	-3	.	3.6
66	MOUNTAINSIDE FARMS	05SEP2012	.	.	.	.	.	.	.	.
67	MOUNTAINSIDE FARMS	19SEP2012	0.038	16.9	5.92	3.8	1100.00	1160	.	1850.0
68	MOUNTAINSIDE FARMS	19SEP2012	.	.	.	.	.	.	.	.
69	ROXBURY	05JUL2012	0.012	21.0	6.72	8.6	1.30	.	-3.0	-1.0
70	ROXBURY	18JUL2012	0.005	22.0	7.02	9.0	1.90	.	-3.0	-1.0
71	ROXBURY	01AUG2012	0.008	21.6	8.11	9.0	0.85	.	-3.0	-1.0
72	ROXBURY	15AUG2012	0.031	21.2	7.25	7.8	1.30	.	-3.0	-1.0
73	ROXBURY	05SEP2012	0.004	21.5	7.76	7.4	2.70	.	-3.0	-1.0
74	ROXBURY	19SEP2012	0.031	16.3	7.39	9.6	0.95	.	-3.0	-1.0
75	STAMFORD	05JUL2012	0.145	19.6	6.42	8.4	0.10	.	-3.0	-1.0
76	STAMFORD	18JUL2012	0.128	20.1	5.86	5.8	0.20	.	-3.0	-1.0
77	STAMFORD	01AUG2012	0.162	21.6	6.15	8.0	0.15	.	-3.0	-1.0
78	STAMFORD	15AUG2012	0.185	21.0	6.32	7.1	0.10	.	4.2	-1.0
79	STAMFORD	20AUG2012	.	18.5	6.60	.	-0.10	.	.	.
80	STAMFORD	05SEP2012	0.168	19.6	6.32	7.0	0.20	.	4.4	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
65	.	.	0.150	.	0.01	.	.	.	.	.	0.11
66	.	.	.	.	.	.	.	497	.	.	.
67	.	.	40.600	.	0.03	.	.	.	.	.	-0.05
68	.	.	.	.	.	.	.	507	.	.	.
69	-0.1	.	0.196	-0.20	.	.	-0.04	.	-1	.	.
70	-0.1	.	0.222	-0.20	.	.	-0.04	.	-1	.	.
71	-0.1	.	0.312	-0.20	.	.	-0.04	.	-1	.	.
72	-0.1	.	0.228	-0.20	.	.	-0.04	.	-1	.	.
73	-0.1	.	0.234	-0.20	.	.	-0.04	.	-1	.	.
74	-0.1	.	0.309	-0.20	.	.	-0.04	.	5	.	.
75	-0.1	.	0.007	-0.20	.	0.31	-0.04	.	1	.	.
76	-0.1	.	0.011	-0.20	.	-0.80	0.04	.	-1	.	.
77	-0.1	.	0.012	-0.20	.	0.54	-0.04	.	-1	.	.
78	-0.1	.	0.013	-0.20	.	0.65	-0.04	.	1	.	.
79	.	.	.	.	.	.	.	.	.	.	.
80	-0.1	.	0.011	-0.20	.	0.41	-0.04	.	5	.	.

Section 2

DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
81	STAMFORD	19SEP2012	0.268	17.2	6.89	9.1	0.20	.	4.6	-1.0
82	WALTON	11JUL2012	1.072	24.3	7.82	8.6	0.25	.	-3.0	-1.0
83	WALTON	25JUL2012	1.109	24.7	7.90	8.2	0.20	.	5.7	-1.0
84	WALTON	08AUG2012	1.066	25.5	8.06	7.7	0.25	.	-3.0	-1.0
85	WALTON	22AUG2012	1.040	24.8	.	8.0	0.75	.	.	-1.1
86	WALTON	12SEP2012	1.130	23.1	7.74	8.4	0.15	.	-3.0	-1.0
87	WALTON	26SEP2012	1.073	20.9	7.99	9.1	0.30	.	.	-2.0
88	WEST DELAWARE BOCES	11JUL2012	0.001	22.7	8.13	7.3	0.35	.	-3.0	-2.0
89	WEST DELAWARE BOCES	25JUL2012	0.004	22.3	6.38	6.3	0.10	.	-3.0	-2.0
90	WEST DELAWARE BOCES	08AUG2012	0.004	22.8	7.60	5.1	0.15	.	-3.0	-1.0
91	WEST DELAWARE BOCES	22AUG2012	0.004	21.5	.	5.6	0.25	.	.	-2.0
92	WEST DELAWARE BOCES	12SEP2012	0.003	20.7	7.36	6.8	0.10	.	-3.0	-1.0
93	WEST DELAWARE BOCES	26SEP2012	0.003	19.2	6.73	5.6	0.20	.	.	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
81	-0.1	.	0.007	-0.20	.	0.64	-0.04	.	-1	.	.
82	-0.1	.	0.025	-0.20	.	1.10	-0.04	.	-1	.	.
83	-0.1	.	0.009	-0.20	.	0.96	0.04	.	-1	.	.
84	-0.1	.	0.011	-0.20	.	0.75	-0.04	.	-1	.	.
85	-0.1	.	0.013	0.36	.	0.53	-0.04	.	-1	.	.
86	-0.1	.	0.008	-0.20	.	0.47	-0.04	.	-1	.	.
87	-0.1	.	0.011	-0.20	.	0.56	-0.04	.	-1	.	.
88	-0.1	1200	0.226	-0.20	.	.	-0.04	.	-1	.	.
89	-0.1	900	0.032	1.93	.	.	0.04	.	-1	.	.
90	-0.1	610	0.093	-0.20	.	.	0.04	.	-1	.	.
91	-0.1	490	0.175	-0.20	.	.	-0.04	.	-1	.	.
92	-0.1	660	0.175	-0.20	.	.	-0.04	.	-1	.	.
93	-0.1	720	0.205	-0.20	.	.	-0.04	.	-1	.	.