

***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**

First Quarter 2011

April 30, 2011

*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.

Catskill District:

Facility	Date	Parameter	Measurement	SPDES Limit
Boiceville	05JAN11	Ammonia	9.83	2.20 mg/l
Boiceville	19JAN11	Ammonia	28.60	2.20 mg/l
Boiceville	17FEB11	Ammonia	12.40	2.20 mg/l
Boiceville-composite	17FEB11	Ammonia	10.10	2.20 mg/l
Boiceville	23FEB11	Ammonia	5.27	2.20 mg/l
Boiceville	02MAR11	Ammonia	8.07	2.20 mg/l
Hunter Highlands	13JAN11	CBOD	7.1	5 mg/l
Hunter Highlands	09FEB11	CBOD	8.4	5 mg/l
Hunter Village	05JAN11	Ammonia	3.96	2.10 mg/l
Hunter Village	06JAN11	Ammonia	2.86	2.10 mg/l
Hunter Village	19JAN11	Ammonia	10.00	2.10 mg/l
Pine Hill	04JAN11	Ammonia	4.00	2.20 mg/l
Pine Hill	18JAN11	Ammonia	3.30	2.20 mg/l
Windham	06JAN11	CBOD	7.5	5 mg/l
Windham	19JAN11	CBOD	5.5	5 mg/l

Delaware District:

Facility	Date	Parameter	Measurement	SPDES Limit
Andes	09FEB11	Flow	0.075	0.062 MGD, 30-day A.M.
Delhi	23FEB11	Flow	0.823	0.815 MGD, 30-day A.M.
Delhi	09MAR11	Flow	1.100	0.815 MGD, 30-day A.M.
Fleischmanns	05JAN11	CBOD	5.9	5 mg/l
Fleischmanns	09FEB11	Ammonia	2.76	1.10 mg/l
Fleischmanns	16FEB11	Chlor.Res.-Effl.	0.23	0.1 mg/l
Fleischmanns	22FEB11	Ammonia	1.67	1.10 mg/l
Hobart	02MAR11	Ammonia	2.89	1.0 mg/l
Mountainside	05JAN11	Susp.Solids	27.0	10 mg/l, daily max.
Mountainside	26JAN11	pH	6.10	6.5 - 8.5
Mountainside	16FEB11	Susp.Solids	16.7	10 mg/l, daily max.
Mountainside	02MAR11	pH	6.47	6.5 - 8.5
Mountainside	16MAR11	Susp.Solids	39.0	10 mg/l, daily max.
Mountainside	16MAR11	Phosphorus	1.22	1 mg/l, 30-day A.M.
Roxbury	19JAN11	pH	6.49	6.5 - 8.5
Roxbury	02MAR11	Ammonia	1.73	1.0 mg/l
Stamford	05JAN11	CBOD	5.6	5 mg/l
Stamford	19JAN11	CBOD	6.1	5 mg/l
Stamford	02MAR11	Flow	0.610	0.5 MGD, 30-day A.M.

Delaware District (cont.):

<u>Facility</u>	<u>Date</u>	<u>Parameter</u>	<u>Measurement</u>	<u>SPDES Limit</u>
Stamford	16MAR11	Flow	0.998	0.5 MGD, 30-day A.M.
Stamford	16MAR11	CBOD	5.4	5 mg/l
Walton	09MAR11	Flow	2.136	1.55 MGD, 30-day A.M.
WestDel BOCES	13JAN11	pH	6.29	6.5 - 8.5
WestDel BOCES	09FEB11	Ammonia	6.19	1.0 mg/l

The last 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.

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:

Boiceville WWTP

date	Parameter	SPDES Violation	SPDES Limit
05JAN11	Ammonia	9.83	2.2 mg/l
19JAN11	Ammonia	28.60	2.2 mg/l
02FEB11		no flow, no sample	
17FEB11	Ammonia	12.40	2.2 mg/l
17FEB11	Composite sample collected and analyzed in accordance with SPDES monitoring requirements		
17FEB11	Ammonia	10.10	2.2 mg/l
23FEB11	Ammonia	5.27	2.2 mg/l
02MAR11	Ammonia	8.07	2.2 mg/l
09MAR11		no violations	

Elka Park (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN11		no flow, no sample	
13JAN11		no flow, no sample	
03FEB11		no flow, no sample	
09FEB11		no flow, no sample	
16FEB11		no flow, no sample	
02MAR11		no flow, no sample	
09MAR11		no flow, no sample	
16MAR11		no flow, no sample	
23MAR11		no flow, no sample	
30MAR11		no flow, no sample	

Grand Gorge (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
04JAN11		no violations	
05JAN11		no violations	
18JAN11		no violations	
19JAN11		no violations	
02FEB11		no violations	
03FEB11		no violations	
15FEB11		no violations	
16FEB11		no violations	
01MAR11		no violations	
02MAR11		no violations	
15MAR11		no violations	
16MAR11		no violations	

Grand Gorge--% removals

date	Parameter	SPDES Violation	SPDES Limit
04JAN11		% removals okay	
18JAN11		% removals okay	
02FEB11		% removals okay	
15FEB11		% removals okay	
01MAR11		% removals okay	
15MAR11		% removals okay	

Hunter Highlands (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
06JAN11	Composite sample collected and analyzed in accordance with SPDES monitoring requirements		
06JAN11		no violations	
13JAN11	CBOD5	7.1	5 mg/l
09FEB11	CBOD5	8.4	5 mg/l
16FEB11		no violations	
02MAR11		no violations	
09MAR11		no violations	

Hunter Village (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN11	Composite sample collected and analyzed in accordance with SPDES monitoring requirements		
05JAN11	Ammonia	3.96	2.1 mg/l
06JAN11	Ammonia	2.86	2.1 mg/l
19JAN11	Ammonia	10.00	2.1 mg/l
09FEB11		no violations	
16FEB11		no violations	
02MAR11		no violations	
09MAR11		no violations	

Olive Woods

date	Parameter	SPDES Violation	SPDES Limit
05JAN11		no flow, no sample	
13JAN11		no flow, no sample	
19JAN11		no flow, no sample	
02FEB11		no flow, no sample	
09FEB11		no flow, no sample	
16FEB11		no flow, no sample	
02MAR11		no flow, no sample	

Olive Woods - cont.

date	Parameter	SPDES Violation	SPDES Limit
09MAR11		no flow, no sample	
16MAR11		no flow, no sample	

Onteora Central School

date	Parameter	SPDES Violation	SPDES Limit
05JAN11		no flow, no sample	
13JAN11		no flow, no sample	
19JAN11		no flow, no sample	
02FEB11		no flow, no sample	
09FEB11		no flow, no sample	
16FEB11		no flow, no sample	
02MAR11		no flow, no sample	
09MAR11		no violations	
16MAR11		no violations	

Pine Hill (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
04JAN11	Ammonia	4.00	2.2 mg/l
05JAN11		no violations	
11JAN11		no violations	
18JAN11	Ammonia	3.30	2.2 mg/l
19JAN11		no violations	
25JAN11		no violations	
02FEB11		no violations	
03FEB11		no violations	
15FEB11		no violations	
16FEB11		no violations	
01MAR11		no violations	
02MAR11		no violations	
15MAR11		no violations	
16MAR11		no violations	

Pine Hill--% removals

date	Parameter	SPDES Violation	SPDES Limit
04JAN11		% removals okay	
11JAN11		% removals okay	
18JAN11		% removals okay	
25JAN11		% removals okay	
02FEB11		% removals okay	
15FEB11		% removals okay	

Pine Hill--% removals - cont.

date	Parameter	SPDES Violation	SPDES Limit
01MAR11		% removals okay	
15MAR11		% removals okay	

Prattsville WTP

date	Parameter	SPDES Violation	SPDES Limit
05JAN11		no violations	
19JAN11		no violations	
02FEB11		no violations	
03FEB11		no violations	
16FEB11		no violations	
09MAR11		no violations	
16MAR11		no violations	

Tannersville (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
04JAN11		no violations	
05JAN11		no violations	
18JAN11		no violations	
19JAN11		no violations	
02FEB11		no violations	
03FEB11		no violations	
15FEB11		no violations	
16FEB11		no violations	
01MAR11		no violations	
02MAR11		no violations	
15MAR11		no violations	
16MAR11		no violations	

Tannersville--% removals

date	Parameter	SPDES Violation	SPDES Limit
04JAN11		% removals okay	
18JAN11		% removals okay	
02FEB11		% removals okay	
15FEB11		% removals okay	
01MAR11		% removals okay	
15MAR11		% removals okay	

Windham (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN11	Composite sample collected and analyzed in accordance with SPDES monitoring requirements		
05JAN11		no violations	
06JAN11	BOD5	7.5	5 mg/l
19JAN11	BOD5	5.5	5 mg/l
03FEB11		no violations	
16FEB11		no violations	
09MAR11		no violations	
16MAR11		no violations	

Delaware District:

Andes (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
13JAN11		no violations	
26JAN11		no violations	
09FEB11	Flow	0.075	0.062 MGD, 30-day A.M.
23FEB11		no violations	
09MAR11		no violations	
30MAR11	Composite sample collected and analyzed in accordance with SPDES monitoring requirements		
30MAR11		no violations	

Delhi WWTP (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
13JAN11		no violations	
26JAN11		no violations	
09FEB11		no violations	
22FEB11		no violations	
23FEB11	Flow	0.823	0.815 MGD, 30-day A.M.
09MAR11	Flow	1.100	0.815 MGD, 30-day A.M.
30MAR11	Composite sample collected and analyzed according to SPDES monitoring requirements		
30MAR11		no violations	

Fleischmanns WWTP

date	Parameter	SPDES Violation	SPDES Limit
05JAN11	CBOD5	5.9	5 mg/l 7-day A.M.
19JAN11		no violations	
03FEB11		no violations	
09FEB11	Ammonia	2.76	1.1 mg/l 30-day A.M.
16FEB11	Chlor.Res.-Effl.	0.23	0.1 mg/l
22FEB11	Ammonia	1.67	1.1 mg/l 30-day A.M.
02MAR11		no violations	
16MAR11		no violations	

Grahamsville WWTP (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN11		no violations	
03FEB11		no violations	
02MAR11		no violations	

Grahamsville--% removals

date	Parameter	SPDES Violation	SPDES Limit
05JAN11		% removals okay	
03FEB11		% removals okay	
02MAR11		% removals okay	

Hobart (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
05JAN11		no violations	
19JAN11		no violations	
03FEB11		no violations	
16FEB11		no violations	
02MAR11	Ammonia	2.89	1.0 mg/l
16MAR11	Composite sample collected and analyzed according to SPDES monitoring requirements		
16MAR11		no violations	

Margaretville

date	Parameter	SPDES Violation	SPDES Limit
04JAN11		no violations	
05JAN11		no violations	
18JAN11		no violations	
19JAN11		no violations	
02FEB11		no violations	
03FEB11		no violations	
15FEB11		no violations	
16FEB11		no violations	
01MAR11		no violations	
02MAR11		no violations	
15MAR11		no violations	
16MAR11		no violations	

Margaretville--% removals

date	Parameter	SPDES Violation	SPDES Limit
04JAN11		% removals okay	
18JAN11		% removals okay	
02FEB11		% removals okay	
15FEB11		% removals okay	
01MAR11		% removals okay	
15MAR11		% removals okay	

Mountainside Farms - Delaware County Dairies

date	Parameter	SPDES Violation	SPDES Limit
05JAN11	Suspended Solids	27.0	10 mg/l, daily max.
26JAN11	pH	6.10	6.5 - 8.5
03FEB11		no violations	
16FEB11	Suspended Solids	16.7	10 mg/l, daily max.
02MAR11	pH	6.47	6.5 - 8.5
16MAR11	Suspended Solids	39.0	10 mg/l, daily max.
16MAR11	Phosphorus	1.22	1 mg/l, 30-day A.M.

Roxbury Run (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
13JAN11		no violations	
19JAN11	pH	6.49	6.5 - 8.5
03FEB11		no violations	
16FEB11		no violations	
02MAR11	Ammonia	1.73	1.0 mg/l, daily max.
16MAR11		no violations	

Stamford WWTP

date	Parameter	SPDES Violation	SPDES Limit
05JAN11	CBOD	5.6	5 mg/l
19JAN11	CBOD	6.1	5 mg/l
03FEB11		no violations	
16FEB11		no violations	
02MAR11	Flow	0.610	0.5 MGD, 30-day A.M.
16MAR11	Flow	0.998	0.5 MGD, 30-day A.M.
16MAR11	CBOD	5.4	5 mg/l

Walton WWTP

date	Parameter	SPDES Violation	SPDES Limit
13JAN11		no violations	
26JAN11		no violations	
09FEB11		no violations	
22FEB11		no violations	
23FEB11		no violations	
09MAR11	Flow	2.136	1.55 MGD, 30-day A.M.
30MAR11	Composite sample collected and analyzed according to SPDES monitoring requirements		
30MAR11		no violations	

West Delaware BOCES

date	Parameter	SPDES Violation	SPDES Limit
13JAN11	pH	6.29	6.5 - 8.5
26JAN11		no violations	
09FEB11	Ammonia	6.19	1 mg/l
22FEB11		no violations	
23FEB11		no violations	
09MAR11		no violations	
30MAR11		no violations	

CATSKILL DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
1	BOICEVILLE WTP	05JAN2011	.	10.6	8.00	11.1	0.2	.
2	BOICEVILLE WTP	19JAN2011	.	10.6	8.41	11.1	1.9	.
3	BOICEVILLE WTP	02FEB2011	.	.	.	.	.	.
4	BOICEVILLE WTP	17FEB2011	.	11.0	7.70	11.2	0.2	.
5	BOICEVILLE WTP	17FEB2011	.	.	.	.	.	.
6	BOICEVILLE WTP	23FEB2011	.	9.2	7.66	12.0	0.2	.
7	BOICEVILLE WTP	02MAR2011	.	8.6	7.98	12.3	0.1	.
8	BOICEVILLE WTP	09MAR2011	.	8.0	7.63	12.4	2.7	.
9	ELKA PARK	05JAN2011	.	.	.	.	.	.
10	ELKA PARK	13JAN2011	.	.	.	.	.	.
11	ELKA PARK	03FEB2011	.	.	.	.	.	.
12	ELKA PARK	09FEB2011	.	.	.	.	.	.
13	ELKA PARK	16FEB2011	.	.	.	.	.	.
14	ELKA PARK	02MAR2011	.	.	.	.	.	.
15	ELKA PARK	09MAR2011	.	.	.	.	.	.
16	ELKA PARK	16MAR2011	.	.	.	.	.	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
1	-3.0	-1.1	-0.1	0.08	9.83	.	-1	.
2	5.4	3.7	-0.1	0.19	28.60	.	-1	.
3	.	.	.	.	.	.	.	.
4	-3.0	-1.0	-0.1	1.18	12.40	.	-1	.
5	-3.0	-1.0	-0.1	1.02	10.10	.	.	.
6	-3.0	-1.0	-0.1	1.32	5.27	.	-1	.
7	-3.0	-1.0	-0.1	1.09	8.07	.	-1	.
8	4.8	5.6	-0.1	0.65	1.84	.	1	.
9	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.	.
13	.	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.	.

CATSKILL DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
17	ELKA PARK	23MAR2011	.	.	.	.	.	.
18	ELKA PARK	30MAR2011	.	.	.	.	.	.
19	GRAND GORGE	04JAN2011	.	.	.	.	.	.
20	GRAND GORGE	05JAN2011	.	.	.	.	.	.
21	GRAND GORGE	18JAN2011	.	.	.	.	.	.
22	GRAND GORGE	19JAN2011	.	.	.	.	.	.
23	GRAND GORGE	02FEB2011	.	.	.	.	.	.
24	GRAND GORGE	03FEB2011	.	.	.	.	.	.
25	GRAND GORGE	15FEB2011	.	.	.	.	.	.
26	GRAND GORGE	16FEB2011	.	.	.	.	.	.
27	GRAND GORGE	01MAR2011	.	.	.	.	.	.
28	GRAND GORGE	02MAR2011	.	.	.	.	.	.
29	GRAND GORGE	15MAR2011	.	.	.	.	.	.
30	GRAND GORGE	16MAR2011	.	.	.	.	.	.
31	HUNTER HIGHLANDS	06JAN2011	.	4.6	7.26	11.7	0.2	.
32	HUNTER HIGHLANDS	06JAN2011	.	.	.	.	.	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
17	.	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.	.
19	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
20	.	.	.	.	.	.	-1	.
21	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
22	.	.	.	.	.	.	-1	.
23	-3.0	-1.0	.	0.02	-0.20	-0.04	.	.
24	.	.	.	.	.	.	-1	.
25	-3.0	-1.0	.	0.02	-0.20	-0.04	.	.
26	.	.	.	.	.	.	-1	.
27	-3.0	-1.0	.	0.02	-0.20	-0.04	.	.
28	.	.	.	.	.	.	-1	.
29	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
30	.	.	.	.	.	.	-1	.
31	-3.0	-1.0	-0.1	0.04	-0.20	-0.04	-1	.
32	-3.0	-1.0	-0.1	0.04	-0.20	.	.	.

CATSKILL DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
33	HUNTER HIGHLANDS	13JAN2011	.	6.5	7.12	12.3	0.1	.
34	HUNTER HIGHLANDS	09FEB2011	.	7.5	7.54	11.9	0.2	.
35	HUNTER HIGHLANDS	16FEB2011	.	5.1	7.14	13.0	0.1	.
36	HUNTER HIGHLANDS	02MAR2011	.	5.6	7.25	12.1	0.2	.
37	HUNTER HIGHLANDS	09MAR2011	.	4.1	7.12	13.2	0.3	.
38	HUNTER WTP	05JAN2011	.	.	.	.	.	-3.0
39	HUNTER WTP	06JAN2011	.	6.7	6.66	.	0.4	-3.0
40	HUNTER WTP	19JAN2011	.	5.3	7.05	.	0.5	3.6
41	HUNTER WTP	09FEB2011	.	5.2	7.13	.	0.1	-3.0
42	HUNTER WTP	16FEB2011	.	5.5	7.56	.	0.2	3.5
43	HUNTER WTP	02MAR2011	.	5.6	7.45	.	0.1	-3.0
44	HUNTER WTP	09MAR2011	.	4.3	6.82	.	0.1	-3.0
45	OLIVE WOODS	05JAN2011	.	.	.	.	.	.
46	OLIVE WOODS	13JAN2011	.	.	.	.	.	.
47	OLIVE WOODS	19JAN2011	.	.	.	.	.	.
48	OLIVE WOODS	02FEB2011	.	.	.	.	.	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
33	7.1	-1.0	-0.1	0.02	-0.20	-0.04	-1	
34	8.4	-1.0	-0.1	0.01	-0.20	-0.04	-1	
35	-3.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
36	-3.0	-1.0	-0.1	0.19	-0.20	-0.04	-1	
37	-3.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
38	.	-1.0	-0.1	0.01	3.96	.	.	
39	.	-1.0	-0.1	0.05	2.86	-0.04	-1	
40	.	-1.0	-0.1	0.04	10.00	-0.04	-1	
41	.	-1.0	-0.1	0.02	-0.20	-0.04	-1	
42	.	-1.0	-0.1	0.02	0.55	-0.04	-1	
43	.	-1.0	-0.1	0.02	-0.20	-0.04	-1	
44	.	-1.0	-0.1	0.01	-0.20	-0.04	-1	
45	.	.	.	.	.	.	.
46	.	.	.	.	.	.	.
47	.	.	.	.	.	.	.
48	.	.	.	.	.	.	.

CATSKILL DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
49	OLIVE WOODS	09FEB2011	.	.	.	.	.	.
50	OLIVE WOODS	16FEB2011	.	.	.	.	.	.
51	OLIVE WOODS	02MAR2011	.	.	.	.	.	.
52	OLIVE WOODS	09MAR2011	.	.	.	.	.	.
53	OLIVE WOODS	16MAR2011	.	.	.	.	.	.
54	ONTEORA CENTRAL SCHOOL	05JAN2011	.	.	.	.	.	.
55	ONTEORA CENTRAL SCHOOL	13JAN2011	.	.	.	.	.	.
56	ONTEORA CENTRAL SCHOOL	19JAN2011	.	.	.	.	.	.
57	ONTEORA CENTRAL SCHOOL	02FEB2011	.	.	.	.	.	.
58	ONTEORA CENTRAL SCHOOL	09FEB2011	.	.	.	.	.	.
59	ONTEORA CENTRAL SCHOOL	16FEB2011	.	.	.	.	.	.
60	ONTEORA CENTRAL SCHOOL	02MAR2011	.	.	.	.	.	.
61	ONTEORA CENTRAL SCHOOL	09MAR2011	.	4.9	7.26	.	8.7	.
62	ONTEORA CENTRAL SCHOOL	16MAR2011	.	5.5	7.64	.	5.4	.
63	PINE HILL	04JAN2011	.	.	.	.	.	.
64	PINE HILL	05JAN2011	.	.	.	.	.	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
49
50
51
52
53
54
55
56
57
58
59
60
61	-3.0	2.3	-0.1	0.47	.	-0.04	-1	.
62	-3.0	-1.0	-0.1	0.40	.	-0.04	-1	.
63	-3.0	-1.0	.	0.01	4.00	-0.04	.	.
64	-1	.

CATSKILL DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
65	PINE HILL	11JAN2011	.	.	.	.	.	.
66	PINE HILL	18JAN2011	.	.	.	.	.	.
67	PINE HILL	19JAN2011	.	.	.	.	.	.
68	PINE HILL	25JAN2011	.	.	.	.	.	.
69	PINE HILL	02FEB2011	.	.	.	.	.	.
70	PINE HILL	03FEB2011	.	.	.	.	.	.
71	PINE HILL	15FEB2011	.	.	.	.	.	.
72	PINE HILL	16FEB2011	.	.	.	.	.	.
73	PINE HILL	01MAR2011	.	.	.	.	.	.
74	PINE HILL	02MAR2011	.	.	.	.	.	.
75	PINE HILL	15MAR2011	.	.	.	.	.	.
76	PINE HILL	16MAR2011	.	.	.	.	.	.
77	PRATTSVILLE WTP	05JAN2011	.	10.9	7.31	.	0.1	.
78	PRATTSVILLE WTP	19JAN2011	.	9.8	7.26	.	0.3	.
79	PRATTSVILLE WTP	02FEB2011	.	.	.	.	.	.
80	PRATTSVILLE WTP	03FEB2011	.	9.6	7.20	.	0.1	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
65	.	.	.	.	0.75	-0.04	.	.
66	-3.0	-1.0	.	0.01	3.30	-0.04	.	.
67	.	.	.	.	.	.	-1	.
68	.	.	.	.	0.36	-0.04	.	.
69	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
70	.	.	.	.	.	.	-1	.
71	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
72	.	.	.	.	.	.	-1	.
73	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
74	.	.	.	.	.	.	-1	.
75	-3.0	-1.0	.	-0.01	-0.20	-0.04	.	.
76	.	.	.	.	.	.	-1	.
77	-3.0	-1.0	-0.1	0.02	.	.	-1	.
78	-3.0	-1.0	-0.1	0.03	.	.	-1	.
79	-3.0	-1.0	-0.1	0.02	.	.	.	.
80	-3.0	-1.0	-0.1	0.02	.	.	-1	.

CATSKILL DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
81	PRATTSVILLE WTP	16FEB2011	.	9.8	7.31	.	0.1	.
82	PRATTSVILLE WTP	09MAR2011	.	8.4	7.22	.	0.1	.
83	PRATTSVILLE WTP	16MAR2011	.	8.4	7.29	.	0.2	.
84	TANNERSVILLE	04JAN2011	.	.	.	.	.	.
85	TANNERSVILLE	05JAN2011	.	.	.	.	.	.
86	TANNERSVILLE	18JAN2011	.	.	.	.	.	.
87	TANNERSVILLE	19JAN2011	.	.	.	.	.	.
88	TANNERSVILLE	02FEB2011	.	.	.	.	.	.
89	TANNERSVILLE	03FEB2011	.	.	.	.	.	.
90	TANNERSVILLE	15FEB2011	.	.	.	.	.	.
91	TANNERSVILLE	16FEB2011	.	.	.	.	.	.
92	TANNERSVILLE	01MAR2011	.	.	.	.	.	.
93	TANNERSVILLE	02MAR2011	.	.	.	.	.	.
94	TANNERSVILLE	15MAR2011	.	.	.	.	.	.
95	TANNERSVILLE	16MAR2011	.	.	.	.	.	.
96	WINDHAM WTP	05JAN2011	.	.	.	.	.	-3.0

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
81	-3.0	-1.0	-0.1	0.03	.	.	-1	.
82	-3.0	-1.0	-0.1	0.02	.	.	-1	.
83	-3.0	-1.0	-0.1	0.02	.	.	-1	.
84	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
85	.	.	.	.	.	.	-1	.
86	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
87	.	.	.	.	.	.	-1	.
88	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
89	.	.	.	.	.	.	1	.
90	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
91	.	.	.	.	.	.	-1	.
92	-3.0	-1.0	.	0.01	-0.20	-0.04	.	.
93	.	.	.	.	.	.	1	.
94	-3.0	-1.0	.	-0.01	-0.20	-0.04	.	.
95	.	.	.	.	.	.	-1	.
96	.	-1.1	-0.1	0.03	.	.	.	.

CATSKILL DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
97	WINDHAM WTP	06JAN2011	.	6.6	6.97	11.3	0.5	7.5
98	WINDHAM WTP	19JAN2011	.	5.7	6.62	11.4	0.2	5.5
99	WINDHAM WTP	03FEB2011	.	4.2	6.73	12.1	0.1	4.1
100	WINDHAM WTP	16FEB2011	.	5.9	7.00	11.0	0.1	3.5
101	WINDHAM WTP	09MAR2011	.	4.5	6.32	11.9	0.3	-3.0
102	WINDHAM WTP	16MAR2011	.	5.2	7.00	11.2	0.1	-3.0

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
97	.	-1.0	-0.1	0.02	.	-0.04	-1	
98	.	-1.0	-0.1	0.03	.	-0.04	-1	
99	.	-1.0	-0.1	0.02	.	-0.04	-1	
100	.	-1.0	-0.1	0.02	.	-0.04	-1	
101	.	-1.0	-0.1	0.01	.	-0.04	-1	
102	.	-1.0	-0.1	0.01	.	-0.04	-1	

DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
1	ANDES	13JAN2011	0.028	11.1	8.15	10.6	0.3	-3.0
2	ANDES	26JAN2011	0.033	10.6	-110.0	10.8	0.4	-3.0
3	ANDES	09FEB2011	0.075	10.5	8.14	9.6	1.1	-3.0
4	ANDES	23FEB2011	0.035	9.7	8.28	12.3	0.2	-3.0
5	ANDES	09MAR2011	0.047	8.2	8.05	11.6	0.2	-3.0
6	ANDES	30MAR2011	0.031	10.4	8.07	10.3	0.1	-3.0
7	ANDES	30MAR2011	0.031	.	.	.	0.1	-3.0
8	DELHI	13JAN2011	0.712	9.6	7.34	7.7	0.2	.
9	DELHI	26JAN2011	0.710	8.1	7.00	9.9	0.2	.
10	DELHI	09FEB2011	0.747	10.1	7.22	8.2	0.4	.
11	DELHI	22FEB2011	0.761	8.1	7.10	15.8	.	.
12	DELHI	23FEB2011	0.823	9.3	6.95	10.6	0.3	.
13	DELHI	09MAR2011	1.100	6.7	6.88	12.5	0.1	.
14	DELHI	30MAR2011	0.744	10.7	7.03	8.7	0.8	.
15	DELHI	30MAR2011	0.744	.	.	.	0.2	.
16	FLEISCHMANN	05JAN2011	0.032	6.4	6.68	10.5	0.6	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
1	.	-1.0	-0.1	0.04	-0.20	.	-1	
2	.	-1.0	-0.1	0.04	0.24	.	-1	
3	.	1.7	-0.1	0.04	-0.20	.	-1	
4	.	-1.0	-0.1	0.03	-0.20	.	-1	
5	.	-1.0	-0.1	0.02	0.24	.	-1	
6	.	-1.0	-0.1	0.03	-0.20	.	-1	
7	.	-1.0	-0.1	0.03	-0.20	.	.	
8	-3.0	-1.0	-0.1	0.01	-0.20	-0.04	1	
9	-3.0	-1.0	-0.1	0.02	-0.20	-0.04	-1	
10	-105.0	-1.0	-0.1	0.01	0.37	-0.04	-1	
11	4.6	.	.	.	.	-0.04	.	
12	3.7	-1.0	-0.1	0.01	-0.20	0.04	-1	
13	-3.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
14	-3.0	1.3	0.1	0.01	-0.20	-0.04	-1	
15	-3.0	-1.0	-0.1	0.01	0.40	-0.04	.	
16	5.9	2.6	-0.1	0.06	-0.20	-0.04	-1	

DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
17	FLEISCHMANN	19JAN2011	0.051	6.4	6.62	14.0	0.4	.
18	FLEISCHMANN	03FEB2011	.	.	.	.	.	.
19	FLEISCHMANN	09FEB2011	0.024	6.7	7.05	7.8	0.6	.
20	FLEISCHMANN	16FEB2011	0.020	5.8	6.78	16.7	0.6	.
21	FLEISCHMANN	22FEB2011	0.001	4.8	6.92	13.5	.	.
22	FLEISCHMANN	02MAR2011	0.039	5.5	7.08	15.6	0.4	.
23	FLEISCHMANN	16MAR2011	0.030	6.7	7.42	11.7	0.1	.
24	GRAHAMSVILLE	05JAN2011	.	.	.	.	0.3	.
25	GRAHAMSVILLE	05JAN2011	.	.	.	.	.	.
26	GRAHAMSVILLE	03FEB2011	.	.	.	.	0.3	.
27	GRAHAMSVILLE	03FEB2011	.	.	.	.	.	.
28	GRAHAMSVILLE	02MAR2011	.	.	.	.	0.3	.
29	GRAHAMSVILLE	02MAR2011	.	.	.	.	.	.
30	HOBART	05JAN2011	0.072	11.2	6.89	6.2	0.1	.
31	HOBART	19JAN2011	0.067	11.1	6.97	7.4	0.1	.
32	HOBART	03FEB2011	0.064	10.6	6.70	6.9	0.1	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
17	-3.0	1.7	-0.1	0.03	-0.20	0.04	-1	
18	.	.	.	.	.	.	.
19	-105.0	1.6	-0.1	0.03	2.76	-0.04	1	
20	3.0	1.7	-0.1	0.02	0.68	0.23	-1	
21	-3.0	.	.	.	1.67	-0.04	.	
22	-3.0	-1.0	-0.1	0.01	0.27	-0.04	-1	
23	-3.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
24	-3.0	-1.0	.	0.02	-0.20	.	.	
25	.	.	.	.	.	.	-1	
26	-3.0	-1.0	.	0.01	-0.20	.	.	
27	.	.	.	.	.	.	-1	
28	-3.0	-2.2	.	0.01	-0.20	.	.	
29	.	.	.	.	.	.	-1	
30	-3.0	-1.1	-0.1	0.02	-0.20	-0.04	-1	
31	-3.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
32	-3.0	-1.1	-0.1	0.01	-0.20	-0.04	-1	

DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
33	HOBART	16FEB2011	0.070	10.4	7.02	7.4	0.1	.
34	HOBART	02MAR2011	0.081	10.3	6.95	9.1	0.2	.
35	HOBART	16MAR2011	0.106	8.2	6.66	7.4	0.1	.
36	HOBART	16MAR2011	0.106	.	.	.	0.1	.
37	MARGARETVILLE	04JAN2011	.	.	.	.	.	.
38	MARGARETVILLE	05JAN2011	.	.	.	.	.	.
39	MARGARETVILLE	18JAN2011	.	.	.	.	.	.
40	MARGARETVILLE	19JAN2011	.	.	.	.	.	.
41	MARGARETVILLE	02FEB2011	.	.	.	.	.	.
42	MARGARETVILLE	03FEB2011	.	.	.	.	.	.
43	MARGARETVILLE	15FEB2011	.	.	.	.	.	.
44	MARGARETVILLE	16FEB2011	.	.	.	.	.	.
45	MARGARETVILLE	01MAR2011	.	.	.	.	.	.
46	MARGARETVILLE	02MAR2011	.	.	.	.	.	.
47	MARGARETVILLE	15MAR2011	.	.	.	.	.	.
48	MARGARETVILLE	16MAR2011	.	.	.	.	.	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
33	-3.0	-1.0	-0.1	0.02	0.22	-0.04	-1	
34	-3.0	-1.0	-0.1	0.11	2.89	-0.04	-1	
35	-3.0	-1.0	-0.1	0.01	1.19	-0.04	-1	
36	-3.0	-1.0	-0.1	0.02	1.18	-0.04	.	
37	-3.0	-1.0	.	0.04	0.31	-0.04	.	
38	.	.	.	.	.	.	-1	
39	-3.0	-1.0	.	0.04	-0.20	-0.04	.	
40	.	.	.	.	.	.	-1	
41	-3.0	-1.0	.	0.04	-0.20	-0.04	.	
42	.	.	.	.	.	.	-1	
43	-3.0	-1.0	.	0.03	-0.20	-0.04	.	
44	.	.	.	.	.	.	-1	
45	-3.0	-1.0	.	0.03	1.95	-0.04	.	
46	.	.	.	.	.	.	-1	
47	-3.0	-1.0	.	0.03	-0.20	-0.04	.	
48	.	.	.	.	.	.	-1	

DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
49	MOUNTAINSIDE FARMS	05JAN2011	0.021	4.9	6.70	9.2	5.8	12.9
50	MOUNTAINSIDE FARMS	26JAN2011	0.024	3.2	6.10	7.5	4.7	20.1
51	MOUNTAINSIDE FARMS	03FEB2011	0.036	2.2	6.62	7.3	3.1	15.8
52	MOUNTAINSIDE FARMS	16FEB2011	0.030	2.7	6.88	12.0	6.8	17.2
53	MOUNTAINSIDE FARMS	02MAR2011	0.033	3.8	6.47	7.9	3.6	13.0
54	MOUNTAINSIDE FARMS	16MAR2011	0.028	7.2	6.73	7.9	14.0	24.8
55	ROXBURY	13JAN2011	0.006	2.2	7.03	10.5	1.1	.
56	ROXBURY	19JAN2011	0.013	2.8	6.49	11.9	0.7	.
57	ROXBURY	03FEB2011	0.004	0.4	6.51	10.5	0.6	.
58	ROXBURY	16FEB2011	0.005	1.8	7.31	14.2	1.0	.
59	ROXBURY	02MAR2011	0.021	2.3	7.37	13.3	0.5	.
60	ROXBURY	16MAR2011	0.013	5.7	7.27	12.3	0.6	.
61	STAMFORD	05JAN2011	0.355	8.4	6.74	10.3	0.1	.
62	STAMFORD	19JAN2011	0.315	7.6	6.40	9.4	0.1	.
63	STAMFORD	03FEB2011	0.259	6.7	5.88	11.7	0.4	.
64	STAMFORD	16FEB2011	0.295	6.2	6.08	13.2	0.1	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
49	.	27.0	-0.1	0.64	.	.	.	.
50	.	-20.0	0.2	0.55	.	.	.	.
51	.	8.0	-0.1	0.29	.	.	.	.
52	.	16.7	0.3	0.56	.	.	.	.
53	.	4.4	-0.1	0.40	.	.	.	.
54	.	39.0	0.3	1.22	.	.	.	.
55	-3.0	-1.0	-0.1	0.18	-0.20	-0.04	-1	-1
56	-3.0	-1.0	-0.1	0.18	-0.20	-0.04	-1	-1
57	-3.0	-1.0	-0.1	0.18	-0.20	-0.04	1	-1
58	-3.0	-1.0	-0.1	0.18	-0.20	-0.04	-1	-1
59	-3.0	-1.0	-0.1	0.21	1.73	-0.04	13	-1
60	-3.0	-1.0	-0.1	0.18	-0.20	-0.04	-1	-1
61	5.6	-1.0	-0.1	0.01	-0.20	-0.04	1	-1
62	6.1	-1.0	-0.1	0.02	-0.20	-0.04	-1	-1
63	-3.0	2.4	-0.1	0.05	-0.20	-0.04	-1	-1
64	4.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	-1

DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
65	STAMFORD	02MAR2011	0.610	6.6	6.45	12.1	0.1	.
66	STAMFORD	16MAR2011	0.998	7.1	6.62	11.4	0.1	.
67	WALTON	13JAN2011	1.090	13.1	7.65	8.0	0.1	.
68	WALTON	26JAN2011	1.156	12.2	-110.0	10.4	0.2	.
69	WALTON	09FEB2011	1.157	8.5	7.23	9.1	0.2	.
70	WALTON	22FEB2011	1.309	10.4	7.36	16.3	.	.
71	WALTON	23FEB2011	1.259	11.4	7.56	10.9	0.7	.
72	WALTON	09MAR2011	2.136	9.7	7.29	11.6	0.1	.
73	WALTON	30MAR2011	1.358	12.2	7.53	9.2	0.4	.
74	WALTON	30MAR2011	1.358	.	.	.	0.3	.
75	WEST DELAWARE BOCES	13JAN2011	0.003	10.6	6.29	6.1	0.1	.
76	WEST DELAWARE BOCES	26JAN2011	0.003	11.3	-110.0	7.5	0.5	.
77	WEST DELAWARE BOCES	09FEB2011	0.002	16.3	6.80	3.9	0.6	.
78	WEST DELAWARE BOCES	22FEB2011	0.003	17.3	7.47	8.9	.	.
79	WEST DELAWARE BOCES	23FEB2011	0.002	16.4	7.78	7.5	0.4	.
80	WEST DELAWARE BOCES	09MAR2011	0.005	15.7	7.32	9.2	0.3	.

Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE
65	4.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
66	5.4	-1.0	-0.1	-0.01	-0.20	-0.04	1	
67	-3.0	-1.0	-0.1	0.02	-0.20	-0.04	-1	
68	-3.0	-1.0	-0.1	0.02	-0.20	-0.04	-1	
69	-105.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
70	-3.0	.	.	.	.	-0.04	.	
71	3.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
72	-3.0	-1.0	-0.1	0.01	-0.20	-0.04	-1	
73	-3.0	-1.0	-0.1	0.01	-0.20	-0.04	1	
74	-3.0	-1.0	-0.1	0.01	0.69	-0.04	.	
75	-3.0	-1.0	-0.1	0.04	-0.20	-0.04	-1	
76	-3.0	-1.0	-0.1	0.14	0.32	0.04	-1	
77	-105.0	-1.0	-0.1	0.02	6.19	-0.04	-1	
78	-3.0	.	.	.	0.38	0.04	.	
79	-3.0	-1.0	-0.1	0.07	-0.20	-0.04	-1	
80	-3.0	-1.0	-0.1	0.16	-0.20	-0.04	-1	

DELAWARE DISTRICT

Obs	PLANT		COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5
81	WEST DELAWARE BOCES		30MAR2011	0.004	11.2	7.42	7.3	0.1	.
Obs	CBOD5	SUSPSLDS	SETSLDS	TP	NH3	TCREFF	FCOLI	FCCODE	
81	-3.0	-1.0	-0.1	0.09	-0.20	-0.04			-1