

***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 2013

April 30, 2013

*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
Hunter Village	02JAN13	pH	5.87	6 - 9
Hunter Village	02JAN13	Ammonia	4.76	1.4 mg/l
Hunter Village	13MAR13	Tot.Chlor.Res.	0.41	0.24 mg/l
Mountain View Estates	08JAN13	Ammonia	5.13	1.4 mg/l
Pine Hill	01JAN13	Ammonia	4.17	2.2 mg/l

Delaware District:

Facility	Date	Parameter	Measurement	SPDES Limit
Andes	10JAN13	Ammonia	2.39	1.4 mg/l
Andes	23JAN13	Ammonia	1.75	1.4 mg/l
Andes	20FEB13	Phosphorus	0.553	0.5 mg/l
Andes	20MAR13	Tot.Chlor.Res.	0.13	0.1 mg/l
Grahamsville	06FEB13	Ammonia	1.36	1.1 mg/l
Mountainside	02JAN13	pH	6.48	6.5 - 8.5
Mountainside	02JAN13	Susp.Solids	3830	30 mg/l, daily max.
Mountainside	02JAN13	Phosphorus	87.7	3 mg/l
Mountainside	02JAN13	BOD	1620	80 mg/l
Mountainside	09JAN13	Susp.Solids	49	30 mg/l, daily max.
Mountainside	06FEB13	Susp.Solids	154	30 mg/l, daily max.
Mountainside	06FEB13	Phosphorus	7.35	3 mg/l
Mountainside	13FEB13	Susp.Solids	42	30 mg/l, daily max.
Mountainside	06MAR13	pH	6.41	6.5 - 8.5
Mountainside	06MAR13	Susp.Solids	470	30 mg/l, daily max.
Mountainside	06MAR13	Phosphorus	12.8	3 mg/l
Mountainside	06MAR13	BOD	332	80 mg/l
Mountainside	13MAR13	pH	6.48	6.5 - 8.5
Mountainside	13MAR13	Susp.Solids	162	30 mg/l, daily max.
Mountainside	13MAR13	Chloride	934	500 mg/l
Mountainside	13MAR13	Phosphorus	3.24	3 mg/l
Stamford	02JAN13	Ammonia	5.54	1.4 mg/l
Stamford	09JAN13	Ammonia	1.87	1.4 mg/l
Stamford	13MAR13	Flow	0.749	0.7 MGD, 30-day A.M.

Delaware District (cont.):

<u>Facility</u>	<u>Date</u>	<u>Parameter</u>	<u>Measurement</u>	<u>SPDES Limit</u>
Walton	10JAN13	Flow	1.617	1.55 MGD, 30-day A.M.
Walton	14FEB13	CBOD	19.9	8.0 mg/l
Walton	14MAR13	Flow	1.575	1.55 MGD, 30-day A.M.
WestDel BOCES	20FEB13	Ammonia	3.72	1.4 mg/l

Mountainside Farms is currently under a DEC consent order and a full plant modification has been approved. Construction been restarted after a break due to the winter.

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
02JAN13		no violations	
23JAN13		no violations	
07FEB13		no violations	
20FEB13		no violations	
13MAR13		no violations	
20MAR13		no violations	

Boiceville WWTP

date	Parameter	SPDES Violation	SPDES Limit
06FEB13		no violations	
14FEB13		no violations	
14MAR13		no violations	

Elka Park (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
08JAN13		no violations	
05FEB13		no violations	
05MAR13		no violations	
13MAR13		no violations	

Grand Gorge (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01JAN13		no flow, no sample	
02JAN13		no flow, no sample	
15JAN13		no violations	
16JAN13		no violations	
05FEB13		no violations	
06FEB13		no violations	
19FEB13		no flow, no sample	
20FEB13		no flow, no sample	
05MAR13		no violations	
06MAR13		no violations	
19MAR13		no violations	
20MAR13		no violations	

Hunter Highlands (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		no violations	
23JAN13		no violations	
05FEB13		no violations	
13FEB13		no violations	
05MAR13		no violations	
13MAR13		no violations	

Hunter Village (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
02JAN13	pH	5.87	6 - 9
02JAN13	Ammonia	4.76	1.4 mg/l
08JAN13		no violations	
22JAN13		no violations	
05FEB13		no violations	
13FEB13		no violations	
05MAR13		no violations	
13MAR13	Tot. Chlor. Res.	0.41	0.24 mg/l

Mountain View Estates, Inc.

date	Parameter	SPDES Violation	SPDES Limit
08JAN13	Ammonia	5.13	1.40 mg/l

Olive Woods

date	Parameter	SPDES Violation	SPDES Limit
05FEB13		no violations	
14MAR13		no violations	

Pine Hill (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01JAN13	Ammonia	4.17	2.2 mg/l
02JAN13		no flow, no sample	
15JAN13		no violations	
16JAN13		no violations	
05FEB13		no violations	
06FEB13		no violations	
19FEB13		no flow, no sample	

Pine Hill (winter limits) - continued

date	Parameter	SPDES Violation	SPDES Limit
20FEB13		no flow, no sample	
05MAR13		no violations	
06MAR13		no violations	
19MAR13		no violations	
20MAR13		no violations	

Prattsville WTP

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		no violations	
22JAN13		no violations	
23JAN13		no violations	
07FEB13		no violations	
20FEB13		no violations	
20MAR13		no violations	
27MAR13		no violations	

Tannersville (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
01JAN13		no flow, no sample	
02JAN13		no flow, no sample	
15JAN13		no violations	
16JAN13		no violations	
05FEB13		no violations	
06FEB13		no violations	
19FEB13		no flow, no sample	
20FEB13		no flow, no sample	
05MAR13		no violations	
06MAR13		no violations	
19MAR13		no violations	
20MAR13		no violations	

Windham (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		no violations	
23JAN13		no violations	
07FEB13		no violations	
13FEB13		no violations	
20FEB13		no violations	
13MAR13		no violations	
20MAR13		no violations	

Delaware District:

Andes (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
10JAN13	Ammonia	2.39	1.4 mg/l
23JAN13	Ammonia	1.75	1.4 mg/l
14FEB13		no violations	
20FEB13	Total Phosphorus	0.553	0.5 mg/l
11MAR13		no violations	
14MAR13		no violations	
20MAR13	Tot. Chlor. Res.	0.13	0.1 mg/l

Delhi WWTP

date	Parameter	SPDES Violation	SPDES Limit
10JAN13		no violations	
23JAN13		no violations	
14FEB13		no violations	
20FEB13		no violations	
14MAR13		no violations	
20MAR13		no violations	

Fleischmanns WWTP

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		no violations	
09JAN13		no violations	
06FEB13		no violations	
20FEB13		no violations	
06MAR13		no violations	
13MAR13		no violations	
18MAR13		no violations	

Grahamsville WWTP

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		no violations	
06FEB13	Ammonia	1.36	1.1 mg/l 30-day A.M.
06MAR13		no violations	

Hobart

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		no violations	
09JAN13		no violations	
06FEB13		no violations	
13FEB13		no violations	
06MAR13		no violations	
13MAR13		no violations	

Margaretville

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		no violations	
15JAN13		no violations	
16JAN13		no violations	
05FEB13		no violations	
06FEB13		no violations	
19FEB13		no flow, no sample	
20FEB13		no flow, no sample	
05MAR13		no violations	
06MAR13		no violations	
19MAR13		no violations	
20MAR13		no violations	

Margaretville--% removals

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		% removals okay	
15JAN13		% removals okay	
05FEB13		% removals okay	
19FEB13		% removals okay	
05MAR13		% removals okay	
19MAR13		% removals okay	

Mountainside Farms - Delaware County Dairies

date	Parameter	SPDES Violation	SPDES Limit
02JAN13	pH	6.48	6.5 - 8.5
02JAN13	Suspended Solids	3830	30 mg/l, daily max.
02JAN13	Phosphorus	87.7	3 mg/l, 30-day A.M.
02JAN13	BOD	1620	80 Action Level > 50 mg/l
09JAN13	Suspended Solids	49	30 mg/l, daily max.
06FEB13	Suspended Solids	154	30 mg/l, daily max.
06FEB13	Phosphorus	7.35	3 mg/l, 30-day A.M.
13FEB13	Suspended Solids	42	30 mg/l, daily max.

Mountainside Farms - Delaware County Dairies - continued

date	Parameter	SPDES Violation	SPDES Limit
20FEB13		no violations	
06MAR13	pH	6.41	6.5 - 8.5
06MAR13	Suspended Solids	470	30 mg/l, daily max.
06MAR13	Phosphorus	12.8	3 mg/l, 30-day A.M.
06MAR13	BOD	332	80 Action Level > 50 mg/l
13MAR13	pH	6.48	6.5 - 8.5
13MAR13	Suspended Solids	162	30 mg/l, daily max.
13MAR13	Chloride	934	500 mg/l
13MAR13	Phosphorus	3.24	3 mg/l, 30-day A.M.

Roxbury Run (winter limits)

date	Parameter	SPDES Violation	SPDES Limit
02JAN13		no violations	
09JAN13		no violations	
06FEB13		no violations	
13FEB13		no violations	
06MAR13		no violations	
13MAR13		no violations	

Stamford WWTP

date	Parameter	SPDES Violation	SPDES Limit
02JAN13	Ammonia	5.54	1.4 mg/l
09JAN13	Ammonia	1.87	1.4 mg/l
06FEB13		no violations	
13FEB13		no violations	
20FEB13		no violations	
06MAR13		no violations	
11MAR13		no violations	
13MAR13	Flow	0.749	0.7 MGD, 30-day A.M.

Walton WWTP

date	Parameter	SPDES Violation	SPDES Limit
10JAN13	Flow	1.617	1.55 MGD, 30-day A.M.
23JAN13		no violations	
14FEB13	CBOD	19.9	8.0 mg/l
20FEB13		no violations	
14MAR13	Flow	1.575	1.55 MGD, 30-day A.M.
20MAR13		no violations	

Delaware County BOCES

date	Parameter	SPDES Violation	SPDES Limit
10JAN13		no violations	
10JAN13		no violations	
23JAN13		no violations	
14FEB13		no violations	
20FEB13	Ammonia	3.72	1.4 mg/l
14MAR13		no violations	
20MAR13		no violations	
20MAR13		no violations	

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
1	ASHLAND WTP	02JAN2013	14.7	7.10	7.5	-0.10	-3	.	-2.0
2	ASHLAND WTP	23JAN2013	7.2	7.19	10.5	0.20	-3	.	-2.0
3	ASHLAND WTP	07FEB2013	9.1	7.38	8.0	0.15	-3	.	-1.0
4	ASHLAND WTP	20FEB2013	15.0	7.14	4.8	0.10	-3	.	-1.0
5	ASHLAND WTP	13MAR2013	10.2	7.30	9.2	-0.10	-3	.	-1.0
6	ASHLAND WTP	20MAR2013	9.3	7.43	10.5	-0.10	-3	.	-1.0
7	BOICEVILLE WTP	06FEB2013	11.5	7.48	10.8	0.15	.	-3.0	-1.0
8	BOICEVILLE WTP	14FEB2013	.	.	.	.	.	-3.0	-1.0
9	BOICEVILLE WTP	14FEB2013	12.1	7.48	10.7	0.15	.	-3.0	-1.0
10	BOICEVILLE WTP	14MAR2013	9.1	7.52	11.4	0.30	.	-3.0	-1.0
11	ELKA PARK	08JAN2013	6.6	7.41	11.5	0.25	.	-3.0	-2.0
12	ELKA PARK	05FEB2013	6.1	7.75	11.1	0.10	.	-3.0	-1.0
13	ELKA PARK	05MAR2013	10.9	7.83	9.8	0.15	.	-3.0	-2.1
14	ELKA PARK	13MAR2013	.	.	.	0.10	.	-3.0	-1.0
15	GRAND GORGE	01JAN2013	.	.	.	.	.	-3.0	-1.0
16	GRAND GORGE	02JAN2013	.	.	.	.	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
1	-0.1	.	0.007	3.83	.	.	-0.04	.	-1	.	.
2	0.1	.	-0.005	5.13	.	.	-0.04	.	-1	.	.
3	-0.1	.	0.033	3.80	.	.	0.05	.	-1	.	.
4	-0.1	.	0.025	1.32	.	.	-0.04	.	-1	.	.
5	-0.1	.	0.009	2.03	.	.	-0.04	.	-1	.	.
6	-0.1	.	0.028	0.29	.	.	-0.04	.	-1	.	.
7	-0.1	.	0.056	0.34	.	.	-0.04	.	-1	.	.
8	.	.	0.090	0.28	.	.	-0.04	.	.	.	.
9	-0.1	.	0.058	0.25	.	.	-0.04	.	-1	.	.
10	-0.1	.	0.048	1.11	.	.	-0.04	.	-1	.	.
11	-0.1	.	0.086	0.27	.	.	-0.04	.	-1	.	.
12	-0.1	.	0.100	-0.20	.	.	-0.04	.	-1	.	.
13	-0.1	.	0.082	-0.20	.	.	-0.04	.	-1	.	.
14	-0.1	.	0.099	-0.20	.	.	-0.04	.	-1	.	.
15	.	.	0.023	-0.20	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.	.	-1	.	.

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
17	GRAND GORGE	15JAN2013	.	.	.	.	.	-3.0	-1.0
18	GRAND GORGE	16JAN2013	.	.	.	.	.	.	.
19	GRAND GORGE	05FEB2013	.	.	.	.	.	-3.0	-1.0
20	GRAND GORGE	06FEB2013	.	.	.	.	.	.	.
21	GRAND GORGE	19FEB2013	.	.	.	.	.	-3.0	-1.0
22	GRAND GORGE	20FEB2013	.	.	.	.	.	.	.
23	GRAND GORGE	05MAR2013	.	.	.	.	.	-3.0	-1.0
24	GRAND GORGE	06MAR2013	.	.	.	.	.	.	.
25	GRAND GORGE	19MAR2013	.	.	.	.	.	-3.0	-1.0
26	GRAND GORGE	20MAR2013	.	.	.	.	.	.	.
27	HUNTER HIGHLANDS	02JAN2013	8.8	7.27	11.0	0.55	.	-3.0	1.5
28	HUNTER HIGHLANDS	23JAN2013	3.8	7.61	12.6	0.30	.	-3.0	-1.0
29	HUNTER HIGHLANDS	05FEB2013	3.9	7.21	12.5	0.25	.	-3.0	-1.0
30	HUNTER HIGHLANDS	13FEB2013	5.0	7.01	12.5	0.40	.	3.0	-1.0
31	HUNTER HIGHLANDS	13FEB2013	4.7	6.87	.	0.25	.	.	.
32	HUNTER HIGHLANDS	05MAR2013	4.6	7.11	12.1	0.20	.	-3.0	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
17	.	.	0.196	-0.20	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.	.	-1	.	.
19	.	.	0.017	-0.20	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.	.	-1	.	.
21	.	.	0.014	-0.20	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.	.	-1	.	.
23	.	.	0.042	-0.20	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.	.	-1	.	.
25	.	.	0.026	-0.20	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.	.	-1	.	.
27	-0.1	.	0.098	-0.20	.	.	-0.04	.	-1	.	.
28	-0.1	.	0.014	-0.20	.	.	-0.04	.	-1	.	.
29	-0.1	.	0.016	-0.20	.	.	-0.04	.	-1	.	.
30	-0.1	.	0.013	-0.20	.	.	-0.04	.	-1	.	.
31	.	.	.	.	.	.	.	.	.	.	.
32	-0.1	.	0.017	-0.20	.	.	-0.04	.	-1	.	.

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
33	HUNTER HIGHLANDS	13MAR2013	5.2	7.10	12.0	0.20	.	3.2	-1.0
34	HUNTER WTP	02JAN2013	7.1	5.87	11.5	0.45	-3.0	.	1.7
35	HUNTER WTP	08JAN2013	7.5	6.05	11.7	0.80	-3.0	.	-1.0
36	HUNTER WTP	22JAN2013	6.6	7.01	.	0.40	.	.	.
37	HUNTER WTP	05FEB2013	6.0	6.28	11.1	0.35	3.2	.	-1.0
38	HUNTER WTP	13FEB2013	6.1	7.10	11.8	0.35	-3.0	.	-1.0
39	HUNTER WTP	05MAR2013	6.8	6.32	11.1	0.15	-3.0	.	-1.0
40	HUNTER WTP	13MAR2013	5.7	6.87	12.1	0.10	-3.0	.	-1.0
41	MOUNTAIN VIEW	08JAN2013	10.7	7.40	10.2	0.40	.	-3.0	-1.0
42	OLIVE WOODS	05FEB2013	6.0	8.01	11.6	0.15	.	-3.0	-1.0
43	OLIVE WOODS	14MAR2013	5.3	7.79	12.1	0.15	.	-3.0	-2.0
44	PINE HILL	01JAN2013	.	.	.	.	-3.0	.	-1.0
45	PINE HILL	02JAN2013	.	.	.	.	.	.	.
46	PINE HILL	15JAN2013	.	.	.	.	-3.0	.	-1.0
47	PINE HILL	16JAN2013	.	.	.	.	.	.	.
48	PINE HILL	05FEB2013	.	.	.	.	-3.0	.	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
33	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
34	-0.1	.	0.069	4.76	.	.	0.08	.	-1	.	.
35	-0.1	.	0.016	0.30	.	.	-0.04	.	-1	.	.
36	.	.	.	.	.	.	.	.	.	.	.
37	-0.1	.	0.075	2.01	.	.	-0.04	.	-1	.	.
38	-0.1	.	0.037	0.72	.	.	0.04	.	-1	.	.
39	-0.1	.	0.015	-0.20	.	.	-0.04	.	-1	.	.
40	-0.1	.	0.013	-0.20	.	.	0.41	.	-1	.	.
41	-0.1	.	0.035	5.13	.	.	.	.	-1	.	.
42	-0.1	.	0.020	-0.20	.	.	-0.04	.	-1	.	.
43	-0.1	.	0.023	0.62	.	.	-0.04	.	-1	.	.
44	.	.	0.007	4.17	.	.	.	.	.	.	.
45	.	.	.	.	.	.	.	.	-1	.	.
46	.	.	0.007	-0.20	.	.	.	.	.	.	.
47	.	.	.	.	.	.	.	.	-1	.	.
48	.	.	0.005	-0.20	.	.	.	.	.	.	.

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
49	PINE HILL	06FEB2013	.	.	.	.	.	.	.
50	PINE HILL	19FEB2013	.	.	.	.	-3.0	.	-1.0
51	PINE HILL	20FEB2013	.	.	.	.	.	.	.
52	PINE HILL	05MAR2013	.	.	.	.	-3.0	.	-1.0
53	PINE HILL	06MAR2013	.	.	.	.	.	.	.
54	PINE HILL	19MAR2013	.	.	.	.	-3.0	.	-1.1
55	PINE HILL	20MAR2013	.	.	.	.	.	.	.
56	PRATTSVILLE WTP	02JAN2013	10.9	7.09	8.5	0.10	.	-3	-1.0
57	PRATTSVILLE WTP	22JAN2013	10.3	6.87	.	0.10	.	.	.
58	PRATTSVILLE WTP	23JAN2013	10.3	7.33	9.5	0.15	.	-3	-1.0
59	PRATTSVILLE WTP	07FEB2013	10.3	7.19	9.4	0.10	.	-3	-1.0
60	PRATTSVILLE WTP	20FEB2013	9.1	7.11	8.3	0.20	.	-3	-1.0
61	PRATTSVILLE WTP	20MAR2013	9.6	7.25	9.6	0.10	.	-3	-1.0
62	PRATTSVILLE WTP	27MAR2013	10.4	7.24	8.6	0.25	.	-3	-2.0
63	TANNERSVILLE	01JAN2013	.	.	.	.	.	-3	-1.0
64	TANNERSVILLE	02JAN2013	.	.	.	.	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
49	.	.	.	.	.	.	.	.	-1	.	.
50	.	.	0.006	0.58	.	.	.	.	.	.	.
51	.	.	.	.	.	.	.	.	-1	.	.
52	.	.	0.008	-0.20	.	.	.	.	.	.	.
53	.	.	.	.	.	.	.	.	-1	.	.
54	.	.	0.005	-0.20	.	.	.	.	.	.	.
55	.	.	.	.	.	.	.	.	-1	.	.
56	-0.1	.	0.078	.	.	1.00	-0.04	.	-1	.	.
57	.	.	.	.	.	.	.	.	.	.	.
58	-0.1	.	0.046	.	.	0.22	-0.04	.	-1	.	.
59	-0.1	.	0.041	.	.	0.83	-0.04	.	-1	.	.
60	-0.1	.	0.045	.	.	1.60	-0.04	.	-1	.	.
61	-0.1	.	0.036	.	.	1.60	-0.04	.	-1	.	.
62	-0.1	.	0.038	.	.	1.30	-0.04	.	-1	.	.
63	.	.	0.010	1.21	.	.	.	.	.	.	.
64	.	.	.	.	.	.	.	.	-1	.	.

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
65	TANNERSVILLE	15JAN2013	.	.	.	.	.	-3	-1.0
66	TANNERSVILLE	16JAN2013	.	.	.	.	.	.	.
67	TANNERSVILLE	05FEB2013	.	.	.	.	.	-3	-2.0
68	TANNERSVILLE	06FEB2013	.	.	.	.	.	.	.
69	TANNERSVILLE	19FEB2013	.	.	.	.	.	-3	-1.0
70	TANNERSVILLE	20FEB2013	.	.	.	.	.	.	.
71	TANNERSVILLE	05MAR2013	.	.	.	.	.	-3	-1.0
72	TANNERSVILLE	06MAR2013	.	.	.	.	.	.	.
73	TANNERSVILLE	19MAR2013	.	.	.	.	.	-3	-1.0
74	TANNERSVILLE	20MAR2013	.	.	.	.	.	.	.
75	WINDHAM WTP	02JAN2013	7.0	6.83	11.0	0.35	3.3	.	-1.0
76	WINDHAM WTP	23JAN2013	4.5	6.89	11.9	0.30	3.9	.	-1.0
77	WINDHAM WTP	07FEB2013	.	.	.	.	3.8	.	-1.0
78	WINDHAM WTP	07FEB2013	.	.	.	0.45	-3.0	.	-2.0
79	WINDHAM WTP	13FEB2013	5.6	6.89	11.4	.	.	.	.
80	WINDHAM WTP	13FEB2013	5.3	6.64	.	0.30	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
65	.	.	0.042	-0.20	.	.	.	.	.	.	.
66	-1	.	.
67	.	.	0.010	-0.20	.	.	.	.	.	.	.
68	-1	.	.
69	.	.	0.011	-0.20	.	.	.	.	.	.	.
70	-1	.	.
71	.	.	0.014	-0.20	.	.	.	.	.	.	.
72	-1	.	.
73	.	.	0.007	-0.20	.	.	.	.	.	.	.
74	-1	.	.
75	-0.1	.	0.015	.	.	.	-0.04	.	-1	.	.
76	-0.1	.	0.015	.	.	.	-0.04	.	-1	.	.
77	.	.	0.017	.	.	.	.	.	.	.	.
78	-0.1	.	0.013	.	.	.	-0.04	.	-1	.	.
79
80

Section 2

CATSKILL DISTRICT

Obs	PLANT	COLLECT	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
81	WINDHAM WTP	20FEB2013	5.5	6.87	11.1	0.40	3.7	.	-1.0
82	WINDHAM WTP	13MAR2013	5.7	6.87	11.8	0.15	-3.0	.	-1.0
83	WINDHAM WTP	20MAR2013	4.3	6.51	12.1	0.40	-3.0	.	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
81	-0.1	.	0.018	.	.	.	-0.04	.	-1		.
82	-0.1	.	0.010	.	.	.	-0.04	.	-1		.
83	-0.1	.	0.014	.	.	.	-0.04	.	-1		.

Section 2

DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
1	ANDES	10JAN2013	0.016	10.4	7.88	13.0	0.30	-3	.	-2.0
2	ANDES	23JAN2013	0.040	9.8	7.41	12.9	0.45	-3	.	1.5
3	ANDES	14FEB2013	0.040	9.2	7.39	11.2	1.60	-3	.	-1.0
4	ANDES	20FEB2013	0.029	8.7	7.31	11.1	0.50	-3	.	1.7
5	ANDES	11MAR2013	.	9.0	7.21	.	0.15	.	.	.
6	ANDES	14MAR2013	0.042	8.1	7.38	11.5	0.35	-3	.	-1.0
7	ANDES	20MAR2013	0.032	8.5	7.12	10.8	0.45	-3	.	-1.0
8	DELHI	10JAN2013	0.510	10.9	7.35	10.8	0.65	.	-3	-1.0
9	DELHI	23JAN2013	0.810	10.3	7.57	11.0	0.15	.	-3	1.1
10	DELHI	14FEB2013	0.875	11.0	7.40	10.3	0.15	.	-3	-1.0
11	DELHI	20FEB2013	0.558	10.7	7.47	10.1	0.65	.	-3	-1.0
12	DELHI	14MAR2013	0.792	10.7	7.21	10.4	3.50	.	-3	5.8
13	DELHI	20MAR2013	0.695	10.4	7.39	9.7	1.10	.	-3	1.3
14	FLEISCHMANN	02JAN2013	0.021	9.0	7.20	12.6	0.10	.	-3	-1.0
15	FLEISCHMANN	09JAN2013	0.040	8.4	7.37	11.5	0.40	.	-3	-1.0
16	FLEISCHMANN	06FEB2013	0.048	5.1	7.08	12.0	1.30	.	-3	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
1	-0.1	.	0.020	2.39	.	.	.	.	-1	.	.
2	-0.1	.	0.011	1.75	.	.	.	.	-1	.	.
3	-0.1	.	0.269	-0.20	.	.	.	.	-1	.	.
4	-0.1	.	0.553	-0.20	.	.	.	.	-1	.	.
5	.	.	.	.	.	.	.	.	.	.	.
6	-0.1	.	0.112	-0.20	.	.	.	.	-1	.	.
7	0.1	.	0.091	-0.20	.	.	0.13	.	-1	.	.
8	-0.1	.	0.013	-0.20	.	.	-0.04	.	-1	.	.
9	-0.1	.	0.008	-0.20	.	.	-0.04	.	-1	.	.
10	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
11	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
12	-0.1	.	0.013	-0.20	.	.	-0.04	.	-1	.	.
13	-0.1	.	0.011	-0.20	.	.	-0.04	.	-1	.	.
14	-0.1	.	0.009	-0.20	.	.	-0.04	.	-1	.	.
15	-0.1	.	0.011	0.29	.	.	-0.04	.	-1	.	.
16	-0.1	.	0.006	-0.20	.	.	-0.04	.	-1	.	.

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
17	FLEISCHMANN'S	20FEB2013	0.030	4.6	7.31	12.7	2.70	.	-3	-2.0
18	FLEISCHMANN'S	06MAR2013	0.024	5.4	7.20	12.1	0.45	.	-3	-2.0
19	FLEISCHMANN'S	13MAR2013	0.045	6.7	7.38	11.3	0.30	.	-3	-1.0
20	FLEISCHMANN'S	18MAR2013	.	.	.	.	0.10	.	.	.
21	GRAHAMSVILLE	02JAN2013	.	.	.	.	0.20	.	-3	-1.0
22	GRAHAMSVILLE	02JAN2013	.	.	.	.	.	.	.	.
23	GRAHAMSVILLE	06FEB2013	.	.	.	.	0.10	.	-3	-1.0
24	GRAHAMSVILLE	06FEB2013	.	.	.	.	.	.	.	.
25	GRAHAMSVILLE	06MAR2013	.	.	.	.	.	.	-3	-1.1
26	GRAHAMSVILLE	06MAR2013	.	.	.	.	.	.	.	.
27	GRAHAMSVILLE	13FEB2013	.	9.6	7.08	.	0.15	.	.	.
28	HOBART	02JAN2013	0.052	12.4	6.95	8.5	0.80	.	-3	-2.0
29	HOBART	09JAN2013	0.066	12.5	6.84	8.4	0.10	.	-3	-1.0
30	HOBART	06FEB2013	0.074	10.1	7.30	8.4	0.10	.	-3	-1.0
31	HOBART	13FEB2013	0.063	10.2	6.82	.	0.85	.	-3	-1.0
32	HOBART	06MAR2013	0.079	12.5	6.73	7.3	0.30	.	-3	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
17	0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
18	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
19	-0.1	.	0.020	-0.20	.	.	-0.04	.	-1	.	.
20	.	.	.	.	.	.	.	.	.	.	.
21	.	.	0.034	-0.20	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.	.	-1	.	.
23	.	.	0.022	1.36	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.	.	-1	.	.
25	.	.	0.032	-0.20	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.	.	-1	.	.
27	.	.	.	.	.	.	.	.	.	.	.
28	-0.1	.	0.010	0.41	.	.	-0.04	.	-1	.	.
29	-0.1	.	0.012	0.28	.	.	-0.04	.	-1	.	.
30	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
31	-0.1	.	0.010	-0.20	.	.	-0.04	.	-1	.	.
32	-0.1	.	0.019	-0.20	.	.	-0.04	.	-1	.	.

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
33	HOBART	13MAR2013	0.116	8.9	6.84	6.1	0.40	.	-3.0	-1.0
34	MARGARETVILLE	02JAN2013	.	.	.	.	.	.	.	.
35	MARGARETVILLE	02JAN2013	.	.	.	.	.	.	-3.0	-2.0
36	MARGARETVILLE	15JAN2013	.	.	.	.	.	.	-3.0	-1.0
37	MARGARETVILLE	16JAN2013	.	.	.	.	.	.	.	.
38	MARGARETVILLE	05FEB2013	.	.	.	.	.	.	-3.0	-1.0
39	MARGARETVILLE	06FEB2013	.	.	.	.	.	.	.	.
40	MARGARETVILLE	19FEB2013	0.000	.	.	.	.	.	-3.0	-1.0
41	MARGARETVILLE	20FEB2013	0.000	.	.	.	.	.	.	.
42	MARGARETVILLE	05MAR2013	.	.	.	.	.	.	-3.0	-1.0
43	MARGARETVILLE	06MAR2013	.	.	.	.	.	.	.	.
44	MARGARETVILLE	19MAR2013	.	.	.	.	.	.	-3.0	-1.0
45	MARGARETVILLE	20MAR2013	.	.	.	.	.	.	.	.
46	MOUNTAINSIDE FARMS	02JAN2013	0.028	1.6	6.48	7.8	2000.00	1620.0	.	3830.0
47	MOUNTAINSIDE FARMS	02JAN2013	.	.	.	.	.	.	.	.
48	MOUNTAINSIDE FARMS	09JAN2013	0.000	3.4	6.87	9.9	12.00	24.3	.	49.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
33	-0.1	.	0.124	0.51	.	.	-0.04	.	-1	.	.
34	-1	.	.
35	.	.	0.052	4.17	.	.	.	.	.	.	.
36	.	.	0.053	-0.20	.	.	.	.	.	.	.
37	-1	.	.
38	.	.	0.041	-0.20	.	.	.	.	.	.	.
39	-1	.	.
40	.	.	0.037	-0.20
41	-1	.	.
42	.	.	0.052	-0.20
43	-1	.	.
44	.	.	0.041	-0.20
45	-1	.	.
46	.	.	87.700	-0.050
47	2.30	.	.	375	.	.	.
48	.	.	1.370	0.056

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
49	MOUNTAINSIDE FARMS	09JAN2013	.	.	.	.	.	.	.	.
50	MOUNTAINSIDE FARMS	06FEB2013	0.016	3.2	7.52	6.9	100.00	80.0	.	154.0
51	MOUNTAINSIDE FARMS	06FEB2013	.	.	.	.	.	.	.	.
52	MOUNTAINSIDE FARMS	13FEB2013	.	4.5	6.89	.	13.00	62.8	.	42.0
53	MOUNTAINSIDE FARMS	13FEB2013	0.000	.	.	.	.	.	.	.
54	MOUNTAINSIDE FARMS	13FEB2013	0.000	.	.	.	.	.	.	.
55	MOUNTAINSIDE FARMS	20FEB2013	0.046	.	.	.	.	.	.	.
56	MOUNTAINSIDE FARMS	06MAR2013	0.029	5.1	6.41	5.6	230.00	332.0	.	470.0
57	MOUNTAINSIDE FARMS	06MAR2013	.	.	.	.	.	.	.	.
58	MOUNTAINSIDE FARMS	13MAR2013	0.042	8.6	6.48	5.6	50.00	74.7	.	162.0
59	ROXBURY	02JAN2013	0.011	2.5	7.48	13.2	0.40	.	-3.0	-1.0
60	ROXBURY	09JAN2013	0.006	2.7	7.06	13.8	0.75	.	-3.0	-1.0
61	ROXBURY	06FEB2013	0.008	2.5	7.19	10.4	0.75	.	-3.0	-1.0
62	ROXBURY	13FEB2013	0.005	3.0	7.41	.	0.85	.	-3.0	-1.0
63	ROXBURY	06MAR2013	0.006	3.0	7.08	13.0	0.45	.	-3.0	-1.1
64	ROXBURY	13MAR2013	0.014	3.5	7.50	12.7	1.40	.	-3.0	-1.0

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
49	.	.	.	.	8.32	.	.	316	.	.	.
50	.	.	7.350	.	.	.	.	.	.	.	.
51	.	.	.	.	2.39	.	.	355	.	.	.
52	.	.	2.670	.	.	.	.	.	.	.	0.61
53	.	.	.	.	.	.	.	370	.	.	.
54	.	.	.	.	0.03	.	.	.	.	.	.
55	.	.	.	.	.	.	.	.	.	.	0.20
56	.	.	12.800	.	0.01	.	.	.	.	.	0.24
57	.	.	.	.	.	.	.	251	.	.	.
58	.	.	3.240	.	.	.	.	934	.	.	0.16
59	-0.1	.	0.198	-0.20	.	.	-0.04	.	-1	.	.
60	-0.1	.	0.196	-0.20	.	.	-0.04	.	-1	.	.
61	-0.1	.	0.187	-0.20	.	.	-0.04	.	-1	.	.
62	-0.1	.	0.175	-0.20	.	.	-0.04	.	-1	.	.
63	-0.1	.	0.164	-0.20	.	.	-0.04	.	-1	.	.
64	-0.1	.	0.191	-0.20	.	.	-0.04	.	1	.	.

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
65	STAMFORD	02JAN2013	0.033	7.1	6.88	10.0	0.25	.	3.2	-1
66	STAMFORD	09JAN2013	0.266	6.7	6.55	11.8	0.20	.	4.2	-1
67	STAMFORD	06FEB2013	0.373	8.3	7.01	10.6	0.15	.	3.3	-1
68	STAMFORD	13FEB2013	0.337	7.8	6.73	.	0.20	.	-3.0	-1
69	STAMFORD	20FEB2013	0.325	.	.	.	.	.	.	.
70	STAMFORD	06MAR2013	0.252	7.6	6.52	11.1	0.15	.	5.1	-1
71	STAMFORD	11MAR2013	.	6.6	6.40	.	0.70	.	.	.
72	STAMFORD	13MAR2013	0.749	7.2	6.82	11.3	0.25	.	4.0	-1
73	WALTON	10JAN2013	1.617	18.2	7.60	9.2	0.35	.	-3.0	-2
74	WALTON	23JAN2013	1.410	15.1	7.63	9.6	0.25	.	-3.0	-1
75	WALTON	14FEB2013	1.106	15.2	7.29	9.7	0.45	.	19.9	-2
76	WALTON	20FEB2013	1.100	13.8	7.68	9.8	0.35	.	3.2	-1
77	WALTON	14MAR2013	1.575	12.4	7.50	10.5	0.60	.	3.6	-1
78	WALTON	20MAR2013	1.272	12.8	7.27	9.7	0.55	.	3.8	-1
79	WEST DELAWARE BOCES	10JAN2013	0.002	17.9	7.67	5.9	0.15	.	-3.0	-1
80	WEST DELAWARE BOCES	10JAN2013	.	.	.	.	.	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
65	-0.1	.	0.018	5.54	.	5.60	-0.04	.	1	.	.
66	0.1	.	0.026	1.87	.	2.30	-0.04	.	25	.	.
67	-0.1	.	0.009	-0.20	.	.	-0.04	.	-1	.	.
68	-0.1	.	0.008	-0.20	.	0.56	-0.04	.	6	.	.
69	.	.	.	.	.	1.00	.	.	.	.	.
70	-0.1	.	0.012	0.30	.	0.95	-0.04	.	1	.	.
71	.	.	.	.	.	.	.	.	.	.	.
72	-0.1	.	0.005	-0.20	.	0.58	-0.04	.	-1	.	.
73	-0.1	.	0.023	-0.20	.	0.61	-0.04	.	-1	.	.
74	-0.1	.	0.006	-0.20	.	0.35	-0.04	.	-1	.	.
75	-0.1	.	0.058	-0.20	.	0.98	-0.04	.	-1	.	.
76	-0.1	.	0.042	-0.20	.	0.57	-0.04	.	-1	.	.
77	-0.1	.	0.031	-0.20	.	0.63	0.04	.	-1	.	.
78	-0.1	.	0.023	-0.20	.	0.71	-0.04	.	1	.	.
79	-0.1	920	.	0.45	.	.	-0.04	.	-1	.	.
80	.	.	0.296

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DELAWARE DISTRICT

Obs	PLANT	COLLECT	FLOW	TEMP	PH	DO	TURB	BOD5	CBOD5	SUSPSLDS
81	WEST DELAWARE BOCES	23JAN2013	0.004	14.2	7.42	7.5	0.15	.	-3.0	-1
82	WEST DELAWARE BOCES	14FEB2013	0.003	13.2	6.59	5.3	0.10	.	-3.0	-1
83	WEST DELAWARE BOCES	20FEB2013	0.002	12.1	6.91	6.7	0.25	.	-3.0	-1
84	WEST DELAWARE BOCES	14MAR2013	0.006	12.6	7.06	9.0	-0.10	.	-3.0	-1
85	WEST DELAWARE BOCES	20MAR2013	0.003	16.3	7.11	6.2	0.20	.	-3.0	-2
86	WEST DELAWARE BOCES	20MAR2013	.	.	.	.	.	.	.	.

Obs	SETSLDS	TDS	TP	NH3	NO3	TKN	TCREFF	CL	FCOLI	FCCODE	MBAS
81	-0.1	880	0.110	0.36	.	.	-0.04	.	-1	.	.
82	-0.1	690	0.229	0.36	.	.	-0.04	.	-1	.	.
83	-0.1	750	0.379	3.72	.	.	-0.04	.	-1	.	.
84	-0.1	1000	0.177	-0.20	.	.	-0.04	.	-1	.	.
85	-0.1	960	.	-0.20	.	.	-0.04	.	-1	.	.
86	.	.	0.222	.	.	.	.	.	.	.	.