



**Public Service
of New Hampshire**

AR-043

PSNH Energy Park
780 North Commercial Street, Manchester, NH 03101

Public Service Company of New Hampshire
P.O. Box 330
Manchester, NH 03105-0330
(603) 669-4000
www.psnh.com

The Northeast Utilities System

November 29, 2010

Mr. Damien Houlihan, NPDES Industrial Team Leader
U.S. Environmental Protection Agency
Region 1 – New England
Office of Ecosystem Protection
5 Post Office Square, Mail Code OEP06-4
Boston, MA 02109-3912

Re: Public Service Company of New Hampshire
Schiller Station, Portsmouth, New Hampshire
National Pollutant Discharge Elimination System Permit No. NH0001473
Response to Information Request in support of NPDES Permit Reissuance

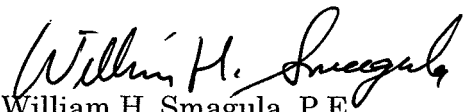
Dear Mr. Houlihan:

Public Service Company of New Hampshire (PSNH) is providing herein the final of three monthly reports which summarizes temperature data collected from the Schiller Station thermal plume study. This report covers the period from October 15 through November 14, 2010. The thermal discharge information is provided to support the renewal of NPDES Permit No. NH0001473 for Schiller Station in accordance with the Environmental Protection Agency's (EPA) May 4, 2010, Clean Water Act Section 308(a) Information Request, as clarified and amended by EPA's June 1 letter.

The enclosed report dated November 24, 2010, was prepared for PSNH by Normandeau Associates, Inc (NAI). In addition to the NAI report, three tables are enclosed to supply the unit specific information for the time frame as requested by EPA. A disc is also enclosed that contains all of the data collected by NAI.

Please contact Allan Palmer at (603) 634-2439 if you have any questions or need additional information regarding this report.

Very truly yours,


William H. Smagula, P.E.
Director - Generation

Enclosures

UNIT 4

DATE	FLOW (MGD)	OUTPUT (MW-h)	MAXIMUM TEMP IN	AVERAGE TEMP OUT	MAXIMUM TEMP OUT
OCT 15	40.8	669.4	58.0	69.4	70.6
OCT 16	40.8	696.7	57.4	69.2	71.0
OCT 17	40.8	675.0	56.8	68.3	69.9
OCT 18	40.8	669.2	56.7	68.0	69.3
OCT 19	40.8	671.8	56.2	67.6	68.9
OCT 20	40.8	687.2	55.7	67.7	70.5
OCT 21	40.8	645.3	55.4	66.8	67.9
OCT 22	40.8	753.4	54.6	67.8	72.1
OCT 23	40.8	600.8	53.1	64.1	66.1
OCT 24	40.8	604.4	52.8	63.4	65.3
OCT 25	40.8	718.6	52.4	64.9	71.5
OCT 26	40.8	702.5	52.7	64.8	67.9
OCT 27	40.8	682.7	53.4	65.1	67.4
OCT 28	40.8	682.0	53.9	65.8	68.2
OCT 29	40.8	701.0	53.8	66.1	68.1
OCT 30	40.8	733.1	53.4	66.1	68.1
OCT 31	40.8	735.9	53.0	65.4	67.8
NOV 1	40.8	756.1	52.0	64.9	67.5
NOV 2	40.8	632.2	51.5	63.0	65.4
NOV 3	40.8	770.1	50.8	65.5	69.1
NOV 4	40.8	770.9	51.0	64.4	67.5
NOV 5	40.8	739.8	51.3	64.2	67.9
NOV 6	40.8	675.8	51.6	63.6	65.7
NOV 7	40.8	695.7	51.4	63.9	67.0
NOV 8	40.8	936.1	51.2	67.8	71.2
NOV 9	40.8	891.2	50.9	66.9	70.9
NOV 10	40.8	958.1	51.0	67.9	71.6
NOV 11	40.8	885.0	50.2	66.0	69.5
NOV 12	40.8	780.8	50.6	64.7	70.6
NOV 13	10.2	145.3	49.9	60.9	75.3
NOV 14	0.0	0.0	-	-	-

UNIT 5

DATE	FLOW (MGD)	OUTPUT (MW-h)	MAXIMUM TEMP IN	AVERAGE TEMP OUT	MAXIMUM TEMP OUT
OCT 15	41.8	1020.1	57.9	75.7	77.1
OCT 16	41.8	1020.7	57.1	75.1	76.4
OCT 17	41.8	1032.3	56.8	74.6	75.8
OCT 18	41.8	1029.3	56.4	74.3	75.6
OCT 19	41.8	1017.2	55.8	73.8	75.1
OCT 20	41.8	1019.6	55.6	73.6	74.9
OCT 21	41.8	1019.6	55.4	73.4	74.5
OCT 22	41.8	1024.7	54.7	72.7	74.0
OCT 23	41.8	1036.7	53.0	71.8	73.5
OCT 24	41.8	1039.1	52.7	71.1	72.6
OCT 25	41.8	1025.9	52.3	71.1	72.8
OCT 26	41.8	1019.7	52.6	71.3	73.2
OCT 27	41.8	1019.0	53.6	72.0	74.1
OCT 28	41.8	1019.6	53.9	72.7	74.5
OCT 29	41.8	1020.6	53.6	72.6	74.2
OCT 30	41.8	1021.1	53.5	72.1	74.0
OCT 31	41.8	1021.8	52.8	71.6	73.8
NOV 1	41.8	1020.5	51.9	70.8	73.0
NOV 2	41.8	1021.4	51.2	70.5	72.3
NOV 3	41.8	977.8	50.7	70.3	71.8
NOV 4	41.8	1020.0	51.1	70.4	71.9
NOV 5	41.8	1011.4	51.3	70.7	72.2
NOV 6	41.8	1018.6	51.6	71.6	73.5
NOV 7	41.8	1009.1	51.4	71.7	73.4
NOV 8	41.8	951.9	51.4	70.8	73.2
NOV 9	41.8	959.9	50.6	71.7	73.3
NOV 10	41.8	960.8	50.8	72.1	73.8
NOV 11	41.8	957.4	50.1	71.5	72.6
NOV 12	41.8	948.7	50.4	67.1	69.4
NOV 13	41.8	1027.7	50.1	68.1	69.9
NOV 14	41.8	1029.8	50.1	68.3	69.8

UNIT 6

DATE	FLOW (MGD)	OUTPUT (MW-h)	MAXIMUM TEMP IN	AVERAGE TEMP OUT	MAXIMUM TEMP OUT
OCT 15	20.9	0.0	-	-	-
OCT 16	20.9	0.0	-	-	-
OCT 17	20.9	0.0	-	-	-
OCT 18	20.9	0.0	-	-	-
OCT 19	20.9	0.0	-	-	-
OCT 20	20.9	0.0	-	-	-
OCT 21	20.9	0.0	-	-	-
OCT 22	20.9	0.0	-	-	-
OCT 23	20.9	0.0	-	-	-
OCT 24	20.9	0.0	-	-	-
OCT 25	20.9	0.0	-	-	-
OCT 26	20.9	0.0	-	-	-
OCT 27	20.9	0.0	-	-	-
OCT 28	20.9	0.0	-	-	-
OCT 29	20.9	0.0	-	-	-
OCT 30	20.9	0.0	-	-	-
OCT 31	20.9	0.0	-	-	-
NOV 1	20.9	0.0	-	-	-
NOV 2	33.2	0.0	-	-	-
NOV 3	41.8	20.0	50.5	50.8	58.5
NOV 4	41.8	570.3	50.8	61.1	63.6
NOV 5	41.8	666.8	50.9	62.7	63.8
NOV 6	41.8	656.6	51.3	62.7	64.2
NOV 7	41.8	660.5	51.4	62.5	64.3
NOV 8	41.8	790.2	51.1	64.6	70.3
NOV 9	41.8	690.3	50.4	62.9	66.1
NOV 10	41.8	763.6	50.9	64.2	69.9
NOV 11	41.8	706.1	49.9	62.6	68.2
NOV 12	41.8	703.4	50.3	62.6	68.7
NOV 13	41.8	699.8	50.1	63.5	66.3
NOV 14	41.8	662.5	49.8	63.1	65.2