



**Public Service
of New Hampshire**

AR-023

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The Northeast Utilities System

September 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:

On September 24, 2010, Public Service Company of New Hampshire submitted a monthly report to summarize temperature data collected from the Schiller Station thermal plume study for the period from August 15 to September 14, 2010. The report was provided to support the renewal of NPDES Permit No. NH0001473 for Schiller Station. As promised in the cover letter to the report, the tables containing the final data for the three Schiller Station units have been updated and are enclosed. The incomplete tables that were originally submitted may be discarded.

The second monthly report covering the period of September 15 thru October 14 will be provided by October 31, 2010. Please contact me if you have any questions.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Allan G. Palmer".

Allan G. Palmer
Senior Engineer

UNIT 4

DATE	FLOW (MGD)	OUTPUT (MW-h)	MAXIMUM TEMP IN	AVERAGE TEMP OUT	MAXIMUM TEMP OUT
AUG 15	40.8	897.7	67.7	82.5	88.6
AUG 16	40.8	938.0	67.9	81.2	88.2
AUG 17	40.8	931.7	66.8	80.3	87.6
AUG 18	40.8	925.6	66.8	80.2	87.7
AUG 19	40.8	879.0	66.9	80.2	87.5
AUG 20	40.8	918.1	67.7	82.3	88.0
AUG 21	40.8	671.3	67.9	79.2	81.8
AUG 22	40.8	680.3	68.3	80.4	82.5
AUG 23	40.8	689.4	68.1	80.7	85.1
AUG 24	40.8	664.5	67.7	80.2	82.8
AUG 25	40.8	727.9	67.3	81.0	83.1
AUG 26	40.8	766.3	68.6	82.3	89.0
AUG 27	40.8	656.7	69.1	81.0	83.6
AUG 28	40.8	8.3	69.5	67.3	71.8
AUG 29	40.8	564.9	70.5	79.2	91.8
AUG 30	40.8	918.9	71.0	86.8	92.5
AUG 31	40.8	880.1	73.2	86.6	92.6
SEPT 1	40.8	866.6	73.9	87.4	91.6
SEPT 2	40.8	884.5	75.0	88.0	91.4
SEPT 3	40.8	892.9	74.2	87.3	92.1
SEPT 4	38.3	381.2	74.9	77.6	92.3
SEPT 5	40.8	0.0	73.4	66.7	73.1
SEPT 6	40.8	201.3	70.8	68.2	79.1
SEPT 7	36.6	0.0	71.4	62.8	67.8
SEPT 8	37.4	543.5	72.7	71.7	79.9
SEPT 9	40.8	484.9	65.1	69.0	78.8
SEPT 10	40.8	482.9	63.7	68.1	78.3
SEPT 11	40.8	294.8	62.8	65.0	75.6
SEPT 12	28.1	0.0	61.8	60.4	62.2
SEPT 13	35.7	503.8	62.3	70.6	78.3
SEPT 14	40.8	459.7	62.7	69.2	75.7

UNIT 5

DATE	FLOW (MGD)	OUTPUT (MW-h)	MAXIMUM TEMP IN	AVERAGE TEMP OUT	MAXIMUM TEMP OUT
AUG 15	41.8	1023.6	67.6	84.3	87.5
AUG 16	41.8	1019.5	67.4	82.6	87.3
AUG 17	41.8	1020.1	66.7	81.8	86.5
AUG 18	41.8	1021.5	66.5	82.0	86.6
AUG 19	41.8	1017.6	66.6	82.6	86.4
AUG 20	41.8	1016.3	67.3	84.0	87.0
AUG 21	41.8	1018.0	67.6	85.1	87.4
AUG 22	41.8	1017.7	68.0	86.1	88.1
AUG 23	41.8	1016.3	67.8	86.0	87.9
AUG 24	41.8	975.4	67.3	85.2	87.3
AUG 25	41.8	1017.6	67.4	85.9	87.5
AUG 26	41.8	1017.8	68.5	86.5	88.6
AUG 27	41.8	1016.9	69.0	87.1	89.3
AUG 28	41.8	1017.3	69.4	87.2	89.7
AUG 29	41.8	978.5	70.3	87.1	90.8
AUG 30	41.8	1014.3	70.9	88.1	91.2
AUG 31	41.8	997.1	73.4	88.4	92.3
SEPT 1	41.8	951.5	73.9	88.6	91.6
SEPT 2	41.8	965.1	74.6	89.2	92.2
SEPT 3	41.8	972.6	74.1	88.5	92.5
SEPT 4	41.8	976.5	74.5	88.2	92.7
SEPT 5	41.8	992.6	73.1	86.4	91.5
SEPT 6	41.8	1019.3	70.6	84.1	91.1
SEPT 7	41.8	1022.9	67.7	82.6	88.5
SEPT 8	41.8	1024.0	66.4	81.5	87.0
SEPT 9	41.8	1023.2	64.9	80.3	85.6
SEPT 10	41.8	1023.7	63.5	79.7	84.3
SEPT 11	41.8	1024.5	62.7	79.9	83.9
SEPT 12	41.8	1020.4	62.2	80.9	83.4
SEPT 13	41.8	1018.9	62.1	81.8	83.4
SEPT 14	41.8	1019.2	62.6	81.3	83.3

UNIT 6

DATE	FLOW (MGD)	OUTPUT (MW-h)	MAXIMUM TEMP IN	AVERAGE TEMP OUT	MAXIMUM TEMP OUT
AUG 15	41.8	917.7	67.1	81.4	86.9
AUG 16	41.8	938.8	67.2	79.9	86.3
AUG 17	41.8	938.4	66.4	79.1	85.9
AUG 18	41.8	934.4	66.3	79.2	85.8
AUG 19	41.8	878.6	66.3	79.1	85.8
AUG 20	41.8	909.0	66.9	81.1	86.5
AUG 21	41.8	669.8	67.3	78.4	80.7
AUG 22	41.8	743.7	67.5	80.4	82.2
AUG 23	41.8	717.5	67.2	80.2	83.8
AUG 24	41.8	617.1	67.4	78.5	80.7
AUG 25	41.8	676.3	66.8	79.2	80.4
AUG 26	41.8	737.5	68.2	80.8	85.7
AUG 27	41.8	674.1	68.8	80.3	82.6
AUG 28	41.8	664.8	69.0	80.6	83.0
AUG 29	41.8	822.1	69.9	83.8	90.1
AUG 30	41.8	923.6	70.5	85.5	90.4
AUG 31	41.8	898.1	73.5	85.9	91.6
SEPT 1	41.8	873.7	73.5	86.5	91.2
SEPT 2	41.8	890.0	74.1	86.9	90.9
SEPT 3	41.8	895.5	73.9	86.3	91.4
SEPT 4	41.8	688.5	74.0	83.0	90.6
SEPT 5	41.8	647.8	72.4	80.0	86.6
SEPT 6	41.8	655.3	69.9	76.7	83.0
SEPT 7	41.8	720.7	67.2	76.2	83.8
SEPT 8	41.8	758.3	65.9	75.3	82.3
SEPT 9	41.8	672.8	64.5	72.6	77.7
SEPT 10	41.8	677.4	63.2	71.8	76.9
SEPT 11	41.8	670.4	62.4	71.9	75.4
SEPT 12	41.8	666.6	61.9	72.9	75.3
SEPT 13	41.8	712.2	61.9	74.6	77.7
SEPT 14	41.8	688.7	62.1	73.9	76.4