



**Public Service  
of New Hampshire**

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The Northeast Utilities System

August 14, 2009

D28247

Water Technical Unit (SEW)  
U.S. Environmental Protection Agency  
Office of Environmental Stewardship (OES)  
P.O. Box 8127  
Boston, MA 02114

Reference: NPDES Permit No. NH0001473, Schiller Station, Public Service Company of New Hampshire, issued September 11, 1990, modified May 31, 1991, modified January 24, 1995.

Dear Sir/Madam:

Schiller Station  
Monthly NPDES Discharge Monitoring Report  
July 2009

In compliance with Part I, Section C.1., of the NPDES permit (see Reference 1.), Public Service Company of New Hampshire (PSNH) herein submits the monthly NPDES report for Schiller Station for the month of July. With one exception, all sampling and analyses were conducted by station personnel in accordance with EPA approved procedures referenced at 40 CFR Part 136 and set forth in Standard Methods for Examination of Water and Wastewater, APHA, 20th Edition, 1998 (and updates subsequently approved in Standard Methods Online Versions, 1999, 2000). ChemServe Environmental Analysts of Milford, NH, performed all oil and grease analyses required in this report per EPA Method 1664A, EPA-821-R-98-002, February 1999. There were no oily sheens, floating solids or foam observed in any of the outfall discharges in other than trace amounts. There were no permit noncompliances recorded during the month.

Between 15:00 and 15:45 on July 6, Outfall 006 was activated several times due to an overflow of the Unit 6 deaerator. It is estimated that a total of 200 gallons of boiler condensate with a pH of 8.9 SU was released. The discharge was caused by a leaky valve and is not a violation since there are no numeric limits for this emergency outfall. The permit requires monitoring and reporting of effluent pH to ensure that the discharges are neither too frequent nor extreme. The last discharge from Outfall 006 was on March 13, 2008, when effluent with a similar pH and volume was released during a start-up of Unit 6.

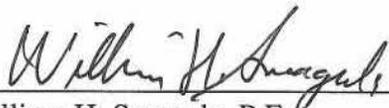
Outfall 013 was activated at 12:26 on July 24 to overflow coalpile runoff resulting from a heavy rainstorm. The rainfall pH was measured at 5.4 SU and the discharge pH at 5.7 SU. The overflow was discontinued at 22:00 for a total discharge time of 9.6 hours. A total of approximately 11,500 gallons of runoff were discharged due to the more than 3-inches of rain that fell over the day. The overflow is not considered a violation as there are no assigned limits for this emergency outfall. The permit requires the monitoring and reporting of overflow pH to ensure that the discharges are neither too frequent nor extreme. The last discharge from Outfall 013 was in September of 2008 when a similar volume and quality of runoff overflowed.

As instructed by the agencies, PSNH now reports a concentration of zero ("0") when the analytical result is less than the method detection limit (MDL). For this report, PSNH used the following MDL: Oil & Grease = 5.0 mg/l (EPA 1664A). Also, as instructed by EPA Region 1, the "no data indicator code" (NODI) "9" is entered on the ferrous sulfate line of the DMRs for outfalls 002, 003 and 004 as the chemical is no longer used.

This report is required by, and prepared specifically for, the U.S. Environmental Protection Agency (EPA). It presents truly, accurately and completely, the observed measurements and analyses required by the EPA to be performed or submitted, but only such observed results. It is not intended as an assertion of the accuracy of any instrument, reading, or analytical result, nor is it an endorsement of the suitability of any analytical or measurement procedure.

If you have any questions regarding this report, please call Mr. Allan G. Palmer, PSNH Generation, at (603) 634-2439.

Very truly yours,



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

Enclosures

cc: N.H. Department of Environmental Services  
Water Division  
Wastewater Engineering Bureau  
Permits and Compliance Section  
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